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diary of
William P.
Alcott
to Europe

who?

Wm. P. Alcott.

(Hartford, Ct.

U.S. America.

Care of Walter Crafts, Esq.)

Present address simply.

Bristol Ct.

Very detailed

EXCELSIOR DIARY



CONTENTS.

Calendar ; Almanac ; Interest Tables ; Table of Wages by the Week ; Principal Events during the American Centenary ; Population of States and Territories—1790 and 1870 ; Growth of Population in the United States ; Domestic Postage ; Foreign Postage ; Presidents of the United States ; -a Blank Space for every day in the year ; Memoranda ; Cash Account for each month ; Annual Summary of Cash Account ; Bills Receivable and Payable.

ECLIPSES FOR 1877.

There will be five Eclipses this year, three of the Sun and two of the Moon.

- I. A Total Eclipse of the Moon, Feb. 27, invisible.
- II. A Partial Eclipse of the Sun, March 14, invisible.
- III. A Partial Eclipse of the Sun, August 8, invisible.
- IV. A Total Eclipse of the Moon, Aug. 23, the Moon rising more or less eclipsed. At N. Y. City, the total ends 7h. 3m. eve.; eclipse ends, 8h. 4m. eve.
- V. A Partial Eclipse of the Sun, Sept. 7, invisible.

MORNING STARS.

VENUS, until May 6. MARS, after April 24. JUPITER, until March 22. SATURN, from Feb. 28 to June 10.

EVENING STARS.

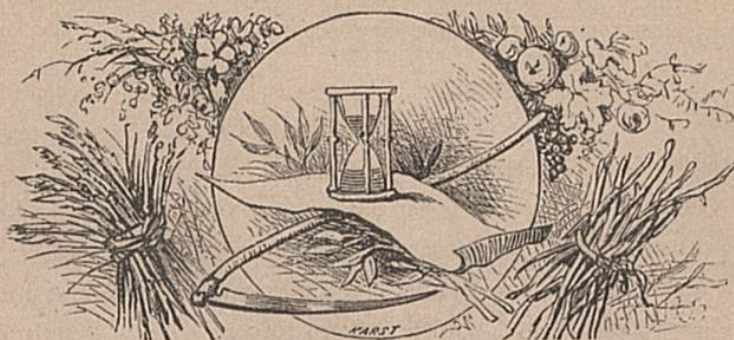
VENUS, after May 6. MARS, until April 24. JUPITER, after March 22. SATURN, until Feb. 28, and after June 10.

PLANETS BRIGHTEST.

MERCURY will be in the best position for visibility, Jan. 7, May 1, Aug. 28, and Dec. 22, setting then after the sun ; also, Feb. 23, June 23, and Oct. 15, rising then before the sun. VENUS, not this year, but will be bright during Dec. MARS, Sept. 5. JUPITER, June 19. SATURN, Sept. 9. URANUS, Feb. 10.

CHURCH DAYS.

Septuagesima Sun...	Jan.	28	Easter Sunday.....	April	1
Sexagesima Sunday..	Feb.	4	Low Sunday.....	"	8
Quinquagesima Sun..	"	11	Rogation Sunday....	May	6
Ash Wednesday.....	"	14	Ascension Day.....	"	10
Quadragesima Sun..	"	18	Whit Sunday.....	"	20
Mid-Lent Sunday ...	Mar.	11	Trinity Sunday.....	"	27
Palm Sunday.....	"	25	Corpus Christi.....	"	31
Good Friday.....	"	30	Advent Sunday.....	Dec.	2



CALENDAR FOR 1877.

1877						
JUNE.	MAY.	APRIL.	MARCH.	FEB'Y.	JAN'Y.	SUNDAY.
3	6	1	4	11	7	1
10	13	8	11	18	14	8
17	20	15	18	25	21	15
24	27	22	25	2	28	22
1	4	3	6	13	9	1
8	11	10	13	20	16	8
15	18	17	20	27	23	15
22	25	24	27	2	30	22
29	31	25	28	5	31	29
6	9	4	7	14	10	6
13	16	11	14	21	17	13
20	23	18	21	28	24	20
27	30	25	28	5	31	27
4	7	2	5	12	18	4
11	14	9	12	19	25	11
18	21	16	19	26	2	18
25	28	23	26	3	9	25
2	5	30	3	10	16	2
9	12	6	10	17	23	9
16	19	13	16	24	30	16
23	26	20	23	31	27	23
30	31	27	31	1	28	30
7	10	5	8	15	11	7
14	17	12	15	22	18	14
21	24	19	22	29	25	21
28	31	26	29	5	31	28
5	8	3	6	13	10	5
12	15	10	13	20	17	12
19	22	17	20	27	24	19
26	29	24	27	3	31	26
3	6	1	4	11	18	3
10	13	8	11	18	25	10
17	20	15	18	25	2	17
24	27	22	25	3	9	24
1	4	30	3	10	16	1
8	11	6	9	17	23	8
15	18	13	16	24	30	15
22	25	20	23	31	27	22
29	31	27	31	1	28	29
6	9	4	7	14	11	6
13	16	11	14	21	18	13
20	23	18	21	28	25	20
27	30	25	28	5	31	27
4	7	2	5	12	19	4
11	14	9	12	19	26	11
18	21	16	19	26	3	18
25	28	23	26	3	10	25
2	5	30	3	6	17	2
9	12	7	10	13	24	9
16	19	14	17	20	31	16
23	26	21	24	27	2	23
30	31	28	31	4	11	30
7	10	5	8	15	18	7
14	17	12	15	22	25	14
21	24	19	22	29	3	21
28	31	26	29	6	10	28
5	8	3	6	13	17	5
12	15	10	13	20	24	12
19	22	17	20	27	3	19
26	29	24	27	4	11	26
3	6	1	4	11	18	3
10	13	8	11	18	25	10
17	20	15	18	25	2	17
24	27	22	25	3	9	24
1	4	30	3	10	16	1
8	11	6	9	17	23	8
15	18	13	16	24	30	15
22	25	20	23	31	27	22
29	31	27	31	1	28	29
6	9	4	7	14	11	6
13	16	11	14	21	18	13
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27	30	25	28	5	31	27
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18	21	16	19	26	3	18
25	28	23	26	3	10	25
2	5	30	3	6	17	2
9	12	7	10	13	24	9
16	19	14	17	20	31	16
23	26	21	24	27	2	23
30	31	28	31	4	11	30
7	10	5	8	15	18	7
14	17	12	15	22	25	14
21	24	19	22	29	3	21
28	31	26	29	6	10	28
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24	27	22	25	3	9	24
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9	12	7	10	13	24	9
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23	26	21	24	27	2	23
30	31	28	31	4	11	30
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23	26	21	24	27	2	23
30	31	28	31	4	11	30
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14	17	12	15	22	25	14
21	24	19	22	29	3	21
28	31	26	29	6	10	28
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22	25	20	23	31	27	22
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27	30	25	28	5	31	27
4	7	2	5	12	19	4
11	14	9	12	19	26	11
18	21	16	19	26	3	18
25	28	23	26	3	10	25
2	5	30	3	6	17	



Battle of Cowpens, 1781.

JANUARY ... 1877.

DM	DW	MISCELLANEOUS.	☉ rise	☉ sets	☉ rises
1	M.	Stars & St'ps 1st rais. 1776	7 25	4 43	7 11
2	T.	Norfolk burned, 1776.	7 25	4 44	8 22
3	W	Battle of Princeton, 1776	7 25	4 45	9 37
4	Th	5) Arnold bur. Richm. 1781	7 25	4 46	10 46
5	F.	6) Gen. Arnold born, 1738	7 25	4 47	11 56
6	S.	Last quarter, 9h. 21m. mo.	7 25	4 48	morn
7	1	2d Sunday after Christmas.	7 25	4 49	1 2
8	M.	7) Gen. Putnam born, 1718	7 24	4 50	2 10
9	T.	Battle Sanbury, Ga., 1778	7 24	4 51	3 15
10	W	8) Bat. New Orleans, 1815	7 24	4 52	4 22
11	Th	Moon lowest.	7 24	4 53	5 23
12	F.	Gen. Mercer died, 1777.	7 23	4 54	6 18
13	S.	14) Moon apogee.	7 23	4 55	7 5
14	2	2d Sunday after Epiphany.	7 23	4 56	sets
15	M.	14) New moon, 8h. 32m. m.	7 22	4 57	6 8
16	T.	11) A. Hamilton born, 1757	7 22	4 59	7 10
17	W	Battle of Cowpens, 1781.	7 21	5 0	8 11
18	Th	Revolt N. J. troops, 1781	7 21	5 1	9 11
19	F.	17) Franklin born, 1706.	7 21	5 2	9 48
20	S.	21) Hamilton Sec. Tr. 1790	7 20	5 3	11 14
21	3	3d Sunday after Epiphany.	7 19	5 4	morn
22	M.	First quarter, 10h. 57m. m.	7 19	5 5	17
23	T.	22) Bat. Frenchtown, 1813	7 18	5 7	1 24
24	W	Mon. to Montgomery 1776	7 17	5 8	2 35
25	Th	Moon highest.	7 17	5 9	3 48
26	F.	27) Arnold's raid Va., 1781	7 16	5 10	4 58
27	S.	28) Moon perigee.	7 15	5 11	6 1
28	4	Septuagesima Sunday.	7 14	5 13	rises
29	M.	Full moon, 3h. 43m. morn.	7 13	5 14	5 53
30	T.	28) 1st N. Bank, Phila. 1781	7 12	5 15	7 12
31	W	29) Morris 1st Tr. U.S. 1781	7 12	5 16	8 26



Valley Forge, 1778.

FEBRUARY..1877.

DM	DW	MISCELLANEOUS.	☉ rise	☾ sets	☉ rises
1	Th	Wash. at Val. Forge, 1778	7 11	5 18	9 38
2	F.	3) Art. Conf. rat. by Sts. '81	7 10	5 19	10 49
3	S.	Gen. Lee arr. at N.Y. 1776	7 9	5 20	11 58
4	5	Sexagesima Sunday.	7 7	5 21	morn
5	M.	Last quarter, oh. 4m. mor.	7 6	5 22	1 7
6	T.	Am. Ind. ack. by Fr. 1778	7 5	5 23	2 12
7	W	Moon lowest.	7 4	5 25	3 17
8	Th	Treaty All'ce with Fr. 1778	7 3	5 26	4 14
9	F.	10) Br. invest Charlest'n, '80	7 2	5 27	5 3
10	S.	Moon apogee.	7 1	5 28	5 46
11	6	Quinquagesima Sunday.	7 0	5 30	6 19
12	M.	13) Br. def., Augusta, 1779	6 58	5 31	6 45
13	T.	New moon, 4h. 3m. morn.	6 57	5 32	sets
14	W	Ash Wednesday.	6 56	5 34	7 5
15	Th	14) Bat. Kettle Cr'k, Ga. '79	6 55	5 35	8 5
16	F.	11) Br. Com'r to Am. 1778	6 53	5 36	9 5
17	S.	Ga. settled at Savan. 1733	6 52	5 37	10 9
18	7	Quadragesima Sunday.	6 51	5 39	11 16
19	M.	20) Am. cap. Vincennes, '78	6 49	5 40	morn
20	T.	First quarter, 11h. 19m. e.	6 48	5 41	24
21	W	22) Washington born, 1732	6 46	5 43	1 33
22	Th	Moon highest.	6 45	5 44	2 41
23	F.	Greene pur. Cornwallis, '81	6 44	5 45	3 45
24	S.	Hornet capt. Peacock 1813	6 42	5 46	4 41
25	8	28) Nat. Bank corpor. 1794	6 41	5 48	5 26
26	M.	Moon perigee.	6 39	5 49	6 2
27	T.	Full moon, 2h. 18m. eve.	6 38	5 50	rises
28	W	29) Fr. burn. Schenect. 1690	6 37	5 51	7 12



Patrick Henry speaking against Taxation, 1765.

MARCH.....1877.

DM	DW	MISCELLANEOUS.	☉ rise	☉ sets	☉ rises
1	Th	6) Battle Pea Ridge, 1862	6 35	5 53	8 25
2	F.	Prof. Morse died, 1872.	6 34	5 53	9 37
3	S.	Battle Brier Creek, 1779.	6 32	5 54	10 50
4	9	1st Congress, N. Y., 1789	6 30	5 55	11 59
5	M.	Boston massacre, 1770.	6 29	5 56	morn
6	T.	Last quarter, 5h. 5m. eve.	6 27	5 57	1 6
7	W	Moon lowest.	6 25	5 58	2 6
8	Th	Stamp Act passed, 1765.	6 24	5 59	2 58
9	F.	Tryon's 2d exp. to Ct. 1779	6 22	6 0	3 43
10	S.	Moon apogee.	6 20	6 1	4 18
11	10	Mid-Lent Sunday.	6 19	6 2	4 48
12	M.	French sailed for R. I. 1781	6 17	6 3	5 13
13	T.	War dec. ag. Algiers, 1815	6 16	6 4	5 34
14	W	New moon, 9h. 57m. eve.	6 14	6 5	5 55
15	Th	Battle Guilford C. H. 1781	6 12	6 7	sets
16	F.	Acad. est. at West Pt. 1802	6 11	6 8	8 1
17	S.	Boston evac. by Brit. 1776	6 9	6 9	9 7
18	11	Stamp Act repealed, 1776	6 7	6 10	10 14
19	M.	Disb. army, Newburg, '83	6 6	6 11	11 27
20	T.	25) Whipple defeated, 1780	6 4	6 12	morn
21	W	Moon highest.	6 2	6 13	33
22	Th	First quarter, 8h. 13m. m.	6 1	6 14	1 38
23	F.	Hudson river discov. 1609	5 59	6 15	2 35
24	S.	26) Putnam at H'neck, 1779	5 58	6 16	3 21
25	12	Palm Sunday.	5 56	6 17	3 49
26	M.	Moon perigee.	5 54	6 18	4 30
27	T.	Battle Tohopeka, 1814.	5 52	6 19	4 59
28	W	Essex captur. by Brit. 1814	5 51	6 20	5 24
29	Th	Full moon, oh. 53m. morn.	5 49	6 21	rises
30	F.	Good Friday.	5 47	6 22	8 26
31	S.	Boston Port bill pass. 1774	5 46	6 23	9 38



Battle of Lexington, 1775.

APRIL 1877.

DM	DW	MISCELLANEOUS.	☉ rise	☉ sets	☉ rises
1	13	Easter Sunday.	5 44	6 24	10 48
2	M.	Treaty with Massasoit 1621	5 42	6 26	11 52
3	T.	Moon lowest.	5 41	6 27	morn
4	W	Ind. massacre in Va. 1622	5 39	6 28	50
5	Th	Last quarter, 11h. 34m. m.	5 37	6 29	1 39
6	F.	Tryon's 1st exp. to Ct. 1777	5 36	6 31	2 17
7	S.	Moon apogee.	5 34	6 32	2 49
8	14	Low Sunday.	5 33	6 33	3 27
9	M.	6) Wash. re-elec. Pres. 1789	5 31	6 34	3 39
10	T.	8) Louisiana admitted, 1812	5 30	6 35	3 59
11	W	13) T. Jefferson born, 1743	5 28	6 36	4 14
12	Th	Tax on tea repealed, 1770	5 26	6 37	4 40
13	F.	New moon, oh. 54m. eve.	5 25	6 38	5 2
14	S.	B. Franklin died, 1790.	5 23	6 39	sets
15	15	14) Lincoln shot, 1865.	5 22	6 40	9 13
16	M.	14) Bat. Monk's Cor. 1780	5 20	6 41	10 23
17	T.	Moon highest.	5 19	6 42	11 31
18	W	19) Lafayette vis. U.S. 1824	5 17	6 43	morn
19	Th	Battle Lexington, 1775.	5 16	6 44	29
20	F.	First quarter, 2h. 41m. ev.	5 14	6 45	1 20
21	S.	19) Ces. host. by Am. 1783	5 13	6 46	1 59
22	16	Moon perigee.	5 11	6 47	2 33
23	M.	Prov. Congress in Ct. 1775	5 10	6 48	3 0
24	T.	Printing invented, 1414.	5 8	6 49	3 24
25	W	Bat. Hobkirk's Hill, 1781	5 7	6 50	3 50
26	Th	Gen. Johnston surren. 1865	5 6	6 51	4 14
27	F.	Full moon, 11h. 40m. mor.	5 4	6 52	rises
28	S.	Battle above Quebec, 1760	5 3	6 53	8 38
29	17	30) Wash. inaugurated, 1789	5 2	6 54	9 35
30	M.	Moon lowest.	5 0	6 55	10 37



Surrender of Ticonderoga, 1775.

MAY.....1877.

DM	DW	MISCELLANEOUS.	☉ rise	☾ sets	☉ rises
1	T.	Br. besieg. Charleston 1780	4 59	6 56	11 32
2	W	Br. took Port Royal, 1690	4 58	6 57	morn
3	Th	Wash. refu. to be king 1782	4 56	6 58	13
4	F.	5) Moon apogee.	4 55	6 59	48
5	S.	Last quarter, 6h. 23m. mo.	4 54	7 0	1 16
6	18	Rogation Sunday.	4 53	7 1	1 40
7	M.	4) Siege of "96" began 1781	4 52	7 2	2 1
8	T.	5) Cape Cod discov'd, 1602	4 51	7 3	2 22
9	W	10) 2d Con. Cong., Pa. 1775	4 49	7 4	2 42
10	Th	Ascension Day.	4 48	7 5	3 13
11	F.	10) Am. Centen. Phila. 1876	4 47	7 6	4 28
12	S.	10) Ticonderoga capt. 1775	4 46	7 7	4 0
13	19	New moon, oh. 33m. morn.	4 45	7 8	sets
14	M.	12) Crown Point capt. 1775	4 44	7 9	9 18
15	T.	Moon highest.	4 43	7 10	10 22
16	W	12) Charleston sur. to B. '80	4 42	7 11	11 14
17	Th	Moon perigee.	4 41	7 12	11 59
18	F.	Eng. dec. war ag. Fr. 1756	4 40	7 13	morn
19	S.	First quarter, 8h. om. eve.	4 39	7 14	35
20	20	Whit Sunday.	4 39	7 15	1 4
21	M.	Fort Galpin captured, 1781	4 38	7 16	1 30
22	T.	Col. Meigs exp. to L. I. '77	4 37	7 17	1 53
23	W	20) Pat'k Henry born, 1736	4 36	7 18	2 18
24	Th	First Steamship, 1819.	4 36	7 19	2 41
25	F.	24) Queen Victoria b. 1819	4 35	7 20	3 10
26	S.	Full moon, 11h. 9m. eve.	4 34	7 20	3 41
27	21	Trinity Sunday.	4 34	7 21	rises
28	M.	Moon lowest.	4 33	7 22	9 21
29	T.	Battle Waxhaw, S. C. 1780	4 32	7 23	10 8
30	W	Br. capt. Stony Point, 1779	4 32	7 23	10 46
31	Th	Corpus Christi.	4 31	7 24	11 16



Battle of Fort Moultrie, 1776.

JUNE.....1877.

DM	DW	MISCELLANEOUS.	☉ rise	☉ sets	☉ rises
1	F.	Moon apogee.	4 31	7 24	11 42
2	S.	1) Bat. Verplanck's Pt. 1779	4 30	7 25	morn
3	22	2) Gen. Greene at "96" 1781	4 30	7 26	5
4	M.	Last quarter, oh. 15m. mo.	4 30	7 26	23
5	T.	Weber died, 1826.	4 29	7 27	45
6	W	1) Tennessee admitt'd, 1796	4 29	7 28	1 6
7	Th	Br. took Eliza., N. J. 1781	4 29	7 28	1 28
8	F.	7) Mahomet died, 632.	4 29	7 29	1 56
9	S.	Battle Melegnano, 1859.	4 28	7 30	2 28
10	23	Burgoyne inva. N.Y. 1777	4 28	7 30	3 11
11	M.	New moon, 9h. 36m. morn	4 28	7 31	sets
12	T.	11) Moon highest.	4 28	7 31	9 6
13	W	Moon perigee.	4 28	7 32	9 57
14	Th	12) Gov. Trumbull b. 1710	4 28	7 32	10 34
15	F.	Maryland invaded, 1863.	4 28	7 33	11 7
16	S.	Wash. elec. C. in Chief, '75	4 28	7 33	11 33
17	24	Battle Bunker Hill, 1775.	4 28	7 33	11 57
18	M.	First quarter, 1h. 28m. mo.	4 28	7 33	morn
19	T.	17) Gen. Warren killed 1775	4 28	7 34	21
20	W	18) Phila. evac. by Br. 1778	4 28	7 34	43
21	Th	20) Bat. Stone Ferry, 1779	4 28	7 34	1 12
22	F.	Cont. money issued, 1775	4 28	7 34	1 44
23	S.	Bat. Springfield, N.J. 1780	4 28	7 34	2 23
24	25	Moon lowest.	4 28	7 35	3 8
25	M.	Full moon, 11h. 57m. mor.	4 28	7 35	rises
26	T.	Spain dec. war ag. G.B. '79	4 30	7 35	8 45
27	W	28) Attack Ft. Moul'te 1776	4 30	7 35	9 18
28	Th	Battle Monmouth, 1778.	4 31	7 35	9 45
29	F.	Moon apogee.	4 31	7 35	10 17
30	S.	29) Tax on tea, 1767.	4 31	7 35	10 27



Declaration of Independence, 1776.

JULY.....1877.

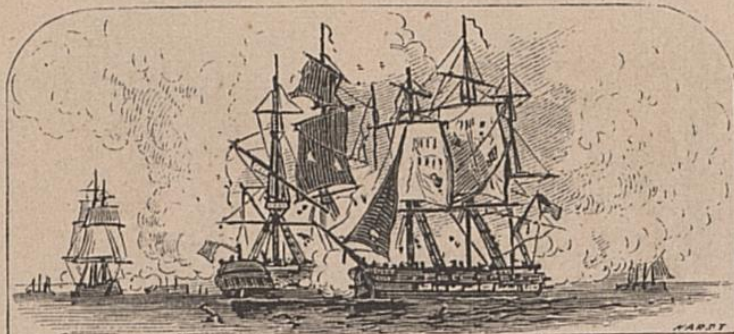
DM	DW	MISCELLANEOUS.	☉ rise	☉ sets	☉ rises
1	26	Tryon's 3d exp. ag. Ct. 1779	4 32	7 35	10 47
2	M.	3) Wyoming massacre 1778	4 32	7 35	11 8
3	T.	Last quarter, 4h. 6m. eve.	4 33	7 34	11 28
4	W	Decl. Independence, 1776	4 34	7 34	11 53
5	Th	4) Bat. Gettysburgh, 1863	4 34	7 34	morn
6	F.	Bat. Hanging Rock, 1780	4 35	7 33	23
7	S.	Battle Hubbardstown 1777	4 35	7 33	1 1
8	27	Moon highest.	4 36	7 33	1 47
9	M.	6) Paul Jones born, 1747	4 37	7 32	2 47
10	T.	New moon, 5h. 10m. eve.	4 37	7 32	3 57
11	W	Moon perigee.	4 38	7 31	sets
12	Th	Wash. took command, 1775	4 39	7 31	9 5
13	F.	11) Br. evac. Savan'h, 1783	4 39	7 30	9 34
14	S.	10) Gen. Prescott cap. 1777	4 40	7 30	10 0
15	28	Wayne cap. Stony Pt. 1779	4 41	7 29	10 23
16	M.	12) Burr & Ham. duel, 1804	4 42	7 29	10 49
17	T.	First quarter, 8h. 16m. mo.	4 43	7 28	11 16
18	W	Prus. occ. Saarbruck, 1870	4 43	7 27	11 45
19	Th	12) A. Hamilton killed 1804	4 44	7 26	morn
20	F.	16) Gen. Wayne woun. 1779	4 45	7 26	21
21	S.	Moon lowest.	4 46	7 25	1 4
22	29	Battle Atlanta, Ga., 1864	4 47	7 24	1 56
23	M.	N. & S. Carol. div'd, 1729	4 48	7 23	2 53
24	T.	Battle Lundy Lane, 1814	4 48	7 22	rises
25	W	Full moon, 2h. 23m. morn.	4 49	7 22	7 48
26	Th	25) Niagara sur. to E. 1759	4 50	7 21	8 13
27	F.	Moon apogee.	4 51	7 20	8 34
28	S.	27) Mur. Miss Mc Crea 1777	4 52	7 19	8 52
29	30	Battle Rocky Mount, 1780	4 53	7 18	9 11
30	M.	Col. Hayne ex'd by B. 1781	4 54	7 18	9 32
31	T.	Ex-Pr. Johnson died, 1875	4 55	7 17	9 55



Battle of Long Island, 1776.

AUGUST 1877.

DM	DW	MISCELLANEOUS.	☉ rise	☉ sets	☉ rises
1	W	2) Bat. Ft. Stephenson, 1813	4 56	7 16	10 21
2	Th	Last quarter, 5h. 25m. mo.	4 57	7 14	10 53
3	F.	4) Battle Weisenburg, 1870	4 58	7 13	11 34
4	S.	6) Bat. Oriskany, N. Y. 1777	4 59	7 12	morn
5	31	Moon highest.	5 0	7 11	27
6	M.	Battle Fort Schuyler, 1777	5 1	7 10	1 31
7	T.	8) Bat. Brownstown, 1812	5 2	7 9	2 47
8	W	9) Ft. Wm. Henry sur. 1757	5 3	7 7	4 6
9	Th	New moon, oh. 21m. mor.	5 4	7 6	sets
10	F.	9) Moon perigee.	5 5	7 5	8 1
11	S.	Ft. Wm. Henry mass. 1757	5 6	7 4	8 25
12	32	Bishop Hobart died, 1830	5 7	7 2	8 51
13	M.	Bat. Penobscot, Me. 1779	5 8	7 1	9 16
14	T.	13) Strasburg bomb'd 1870	5 9	7 0	9 46
15	W	First quarter, 5h. 32m. eve.	5 10	6 58	10 20
16	Th	Battle of Bennington, 1777	5 11	6 57	11 2
17	F.	Moon lowest.	5 12	6 55	11 51
18	S.	16) Battle of Camden, 1780	5 13	6 54	morn
19	33	Battle Paulus Hook, 1779	5 14	6 53	46
20	M.	Wayne def. Indians, 1794	5 15	6 51	1 47
21	T.	18) Bat. Fishing Creek 1780	5 16	6 50	2 50
22	W	19) Napol. at Chalons, 1870	5 17	6 48	rises
23	Th	Full moon, 6h. 14m. eve.	5 17	6 47	6 39
24	F.	23) Moon apogee.	5 18	6 45	6 59
25	S.	14) Fr. cap. Oswego, 1756	5 19	6 44	7 18
26	34	29) Bat. Quaker Hill, 1778	5 20	6 42	7 38
27	M.	Battle of Long Island, 1776	5 21	6 41	8 0
28	T.	29) Bat. Rhode Island 1778	5 22	6 39	8 34
29	W	Bat. Chemung, N. Y. 1779	5 23	6 37	8 55
30	Th	Battle of Sedan, 1870.	5 24	6 36	9 29
31	F.	Last quarter, 4h. 19m. eve.	5 25	6 34	10 16



Paul Jones Victory, 1779.

SEPTEMBER. 1877.

DM	DW	MISCELLANEOUS.	☉ rise	☉ sets	☉ rises
1	S.	Moon highest.	5 26	6 33	11 14
2	35	1) Arnold's ex. ag't Ct. 1781	5 27	6 31	morn
3	M.	Peace treaty, Paris, 1783	5 28	6 29	12
4	T.	2) Rep. proc. in Paris, 1871	5 29	6 28	1 37
5	W	1st Congress at Phila. 1774	5 30	6 26	2 56
6	Th	Moon perigee.	5 31	6 25	4 15
7	F.	New moon, 8h. 4m. morn.	5 32	6 23	sets
8	S.	Grey's exp. eastward, 1778	5 33	6 21	6 50
9	36	8) Bat. Eutaw Springs, 1781	5 34	6 20	7 16
10	M.	6) Lafayette born, 1757.	5 35	6 18	7 44
11	T.	10) Battle Lake Erie, 1813	5 36	6 16	8 18
12	W	11) Battle Brandywine, 1777	5 37	6 15	8 57
13	Th	Bat. Plains of Abraham 1759	5 38	6 13	9 44
14	F.	First quarter, 6h. 12m. m.	5 39	6 11	10 39
15	S.	14) Moon lowest.	5 40	6 9	11 39
16	37	Burr tried for treason, 1807	5 41	6 8	morn
17	M.	15) Am. aban. N.Y.C. 1776	5 42	6 6	41
18	T.	17) New Const. framed, 1787.	5 43	6 4	1 44
19	W	Moon apogee.	5 44	6 3	2 47
20	Th	19) 1st Bat. Saratoga, 1777	5 45	6 1	3 47
21	F.	20) Bat. of Paoli, Pa., 1777	5 46	5 59	4 47
22	S.	Full moon, 10h. 38m. mor.	5 47	5 58	rises
23	38	Paul Jones victory, 1779	5 48	5 56	6 5
24	M.	20) Great fire in N.Y. 1776	5 49	5 54	6 30
25	T.	24) Albany taken, 1664.	5 50	5 53	6 57
26	W	British enter Phila., 1777	5 51	5 51	7 30
27	Th	Brit. troops at Boston. 1768	5 52	5 50	8 14
28	F.	Moon highest.	5 53	5 48	9 6
29	S.	23) Major Andre cap. 1780	5 54	5 46	10 8
30	39	Last quarter, 1h. 24m. mor.	5 55	5 44	11 18



Surrender of Cornwallis, 1781.

OCTOBER 1877.

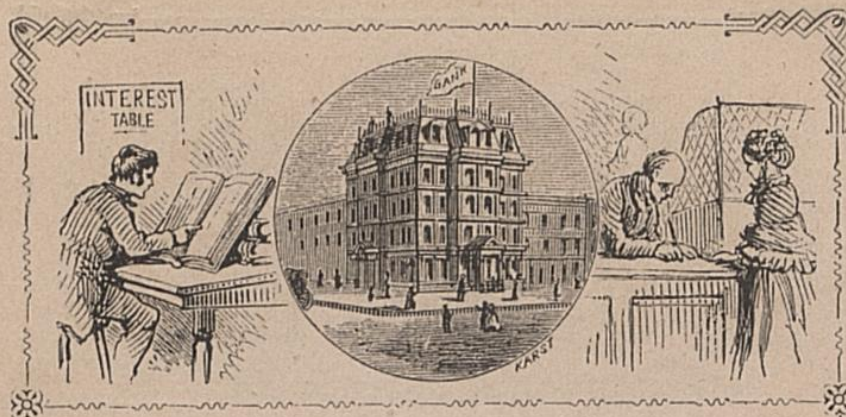
DM	DW	MISCELLANEOUS.	☉ rise	☉ sets	☉ rises
1	M.	Exp. ag. Egg Harbor, 1778	5 56	5 43	morn
2	T.	Andre executed, 1780.	5 57	5 41	34
3	W	2) 1st R. R. in U. S., 1833	5 58	5 39	1 49
4	Th	Moon perigee.	6 0	5 38	3 6
5	F.	4) Battle Germantown, 1777	6 1	5 36	4 21
6	S.	New moon, 5h. 2m. eve.	6 2	5 35	5 38
7	40	6) Fts. Clin. & Mon. tk. 1777	6 3	5 33	sets
8	M.	2d Battle of Saratoga, 1777	6 4	5 31	6 13
9	T.	7) Colon. Cong. N.Y. 1765	6 5	5 30	6 50
10	W	9) Am. republ. at Sav. 1779	6 7	5 28	7 39
11	Th	Moon lowest.	6 8	5 27	8 29
12	F.	7) Bat. King Mt., S.C. 1780	6 9	5 25	9 28
13	S.	First quarter, 10h. 46m. ev.	6 10	5 23	10 31
14	41	13) John Adams born, 1735	6 11	5 22	11 34
15	M.	Bank panic, 1857.	6 12	5 20	morn
16	T.	Moon apogee.	6 13	5 19	37
17	W	Surren. of Burgoyne, 1777	6 14	5 17	1 38
18	Th	19) Cornwallis surren. 1781	6 15	5 16	2 38
19	F.	Yorktown captured, 1781	6 16	5 14	3 39
20	S.	Battle Cedar Creek, 1864	6 18	5 13	4 39
21	42	22) Battle Red Bank, 1777	6 19	5 12	5 40
22	M.	Full moon, 2h. 34m. morn.	6 20	5 10	rises
23	T.	22) Bat. Ft. Mifflin, Pa. 1777	6 21	5 9	5 32
24	W	Daniel Webster died, 1852	6 22	5 7	6 13
25	Th	Br. withdr. from R. I., 1779	6 23	5 6	7 4
26	F.	Moon highest.	6 24	5 4	8 2
27	S.	22) Bat. Fort Mercer, 1777	6 25	5 3	9 10
28	43	Battle White Plains, 1776	6 26	5 2	10 21
29	M.	Last quarter, 9h. 25m. mo.	6 27	5 1	11 34
30	T.	Gen. Greene ap. com. 1780	6 28	4 59	morn
31	W	Florida ceded to U.S. 1820	6 29	4 58	49



Washington Crossing the Delaware, 1776.

DECEMBER...1877.

DM	DW	MISCELLANEOUS.	☉ rise	☉ sets	☉ rises
1	S.	Habeas Corpus rest'd, 1865	7 5	4 34	3 24
2	48	Advent Sunday.	7 6	4 33	4 39
3	M.	Tweed escaped, N.Y. 1875	7 7	4 33	5 52
4	T.	New moon, 5h. 8m. eve.	7 8	4 33	7 3
5	W	Moon lowest.	7 9	4 32	sets
6	Th	"Deutschland" wreck. '75	7 10	4 32	6 0
7	F.	Amnesty proclaimed, 1863	7 11	4 32	7 5
8	S.	4) 1st Nat. Ensign rais. 1775	7 12	4 32	8 10
9	49	Sumter bombarded, 1863	7 13	4 32	9 23
10	M.	Wash. at Val. Forge, 1777	7 14	4 32	10 16
11	T.	Moon apogee.	7 15	4 32	11 14
12	W	First quarter, 4h. 38m. eve	7 15	4 32	morn
13	Th	Gen. Lee prisoner, 1776.	7 16	4 32	13
14	F.	Washington died, 1799.	7 16	4 33	1 12
15	S.	14) B. evac. Charleston 1783	7 17	4 33	2 12
16	50	Boston Tea Party, 1773.	7 18	4 33	3 16
17	M.	Treaty with Russia, 1832	7 18	4 33	4 21
18	T.	Eng. war ag. Holland 1780	7 19	4 34	5 29
19	W	Moon highest.	7 20	4 34	6 35
20	Th	Full moon, 6h. 55m. morn	7 20	4 35	rises
21	F.	Mass. settled at Ply'th 1620	7 21	4 35	5 58
22	S.	Embargo on Am. ships 1807	7 21	4 36	7 11
23	51	Moon perigee.	7 22	4 36	8 29
24	M.	23) Wash. resig'd com. 1783	7 22	4 37	9 43
25	T.	Wash. crossed Dela., 1776	7 23	4 37	10 55
26	W	Battle Trenton, 1776.	7 23	4 38	morn
27	Th	Last quarter, 1h. 24m. m.	7 23	4 39	5
28	F.	27) Br. cap. Savannah 1778	7 23	4 39	1 16
29	S.	Battle Quebec, 1775.	7 24	4 40	2 28
30	52	Jesuits founded, 1535.	7 24	4 41	3 40
31	M.	V. Emanuel ent. Rome 1870	7 24	4 42	4 51



INTEREST TABLES.

SIX PER CENT.

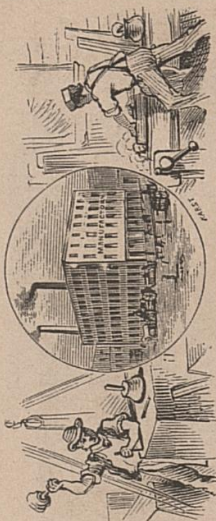
TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 DAY	0	0	0	0	0	0	0	0	0	0	2	17
2 "	0	0	0	0	0	0	0	0	0	0	3	33
3 "	0	0	0	0	0	0	0	0	0	1	5	50
4 "	0	0	0	0	0	0	0	1	1	1	7	67
5 "	0	0	0	0	0	1	1	1	1	1	8	83
6 "	0	0	0	0	1	1	1	1	1	1	10	1.00
15 "	0	1	1	1	1	2	2	2	2	3	25	2.50
2 MO.	1	2	3	4	5	6	7	8	9	10	1.00	10.00
4 "	2	4	6	8	10	12	14	16	18	20	2.00	20.00
6 "	3	6	9	12	15	18	21	24	27	30	3.00	30.00
8 "	4	8	12	16	20	24	28	32	36	40	4.00	40.00
1 YR.	6	12	18	24	30	36	42	48	54	60	6.00	60.00

SEVEN PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 DAY	0	0	0	0	0	0	0	0	0	0	2	19
2 "	0	0	0	0	0	0	0	0	0	0	4	39
3 "	0	0	0	0	0	0	0	0	1	1	6	58
4 "	0	0	0	0	0	0	1	1	1	1	8	78
5 "	0	0	0	0	0	1	1	1	1	1	10	97
6 "	0	0	0	0	1	1	1	1	1	1	12	1.17
15 "	0	1	1	1	1	2	2	2	3	3	29	2.92
2 MO.	1	2	4	5	6	7	8	9	11	12	1.17	11.67
4 "	2	5	7	9	12	14	16	19	21	23	2.33	23.33
6 "	4	7	11	14	18	21	25	28	32	35	3.50	35.00
8 "	5	9	14	19	23	28	33	37	42	47	4.67	46.67
1 YR.	7	14	21	28	35	42	49	56	63	70	7.00	70.00

TEN PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 DAY	0	0	0	0	0	0	0	0	0	0	3	28
15 "	0	1	1	2	2	3	3	3	4	4	42	4.17
30 "	1	2	3	3	4	5	6	7	8	8	83	8.33
2 MO.	2	3	5	7	8	10	12	13	15	17	1.67	16.67
4 "	3	7	10	13	17	20	23	27	30	33	3.33	33.33
6 "	5	10	15	20	25	30	35	40	45	50	5.00	50.00
8 "	7	13	20	27	33	40	47	53	60	67	6.67	66.67
1 YR.	10	20	30	40	50	60	70	80	90	1.00	10.00	100.00



This Table is based upon the usual calculation of 10 hours to a day.

TABLE OF WAGES BY THE WEEK.

Wages	Half hour	One hour	Two hours	Four hours	Five hours	Six h's	Eight hours	Nine h's	One day	Two days	Three days	Four days	Five days	Six days
\$3	.02½	.05	.10	.20	.25	.30	.40	.45	.50	1.00	1.50	2.00	2.50	3.00
4	.03⅓	.06⅔	.13⅓	.26⅔	.33⅓	.40	.53⅓	.60	.66⅔	1.33⅓	2.00	2.66⅔	3.33⅓	4.00
5	.04⅙	.08⅓	.16⅔	.33⅓	.41⅔	.50	.66⅔	.75	.83⅓	1.66⅔	2.50	3.33⅓	4.16⅔	5.00
6	.05	.10	.20	.40	.50	.60	.80	.90	1.00	2.00	3.00	4.00	5.00	6.00
7	.05⅔	.11⅓	.23⅓	.46⅔	.58⅓	.70	.93⅓	1.05	1.16⅔	2.33⅓	3.50	4.66⅔	5.83⅓	7.00
8	.06⅔	.13⅓	.26⅔	.53⅓	.66⅔	.80	1.06⅔	1.20	1.33⅓	2.66⅔	4.00	5.33⅓	6.66⅔	8.00
9	.07½	.15	.30	.60	.75	.90	1.20	1.35	1.50	3.00	4.50	6.00	7.50	9.00
10	.08⅓	.16⅔	.33⅓	.66⅔	.83⅓	1.00	1.33⅓	1.50	1.66⅔	3.33⅓	5.00	6.66⅔	8.33⅓	10.00
11	.09⅙	.18⅓	.36⅔	.73⅓	.91⅔	1.10	1.46⅔	1.65	1.83⅓	3.66⅔	5.50	7.33⅓	9.16⅔	11.00
12	.10	.20	.40	.80	1.00	1.20	1.60	1.80	2.00	4.00	6.00	8.00	10.00	12.00
14	.11⅔	.23⅓	.46⅔	.93⅓	1.16⅔	1.40	1.86⅔	2.10	2.33⅓	4.66⅔	7.00	9.33⅓	11.66⅔	14.00
15	.12½	.25	.50	1.00	1.25	1.50	2.00	2.25	2.50	5.00	7.50	10.00	12.50	15.00
16	.13⅓	.26⅔	.53⅓	1.06⅔	1.33⅓	1.60	2.13⅓	2.40	2.66⅔	5.33⅓	8.00	10.66⅔	13.33⅓	16.00
18	.15	.30	.60	1.20	1.50	1.80	2.40	2.70	3.00	6.00	9.00	12.00	15.00	18.00
20	.16⅔	.33⅓	.66⅔	1.33⅓	1.66⅔	2.00	2.66⅔	3.00	3.33⅓	6.66⅔	10.00	13.33⅓	16.66⅔	20.00
24	.20	.40	.80	1.60	2.00	2.40	3.20	3.60	4.00	8.00	12.00	16.00	20.00	24.00



PRINCIPAL EVENTS DURING THE AMERICAN CENTENARY.

Prominent among the engineering enterprises of the century are the Hoosac Tunnel, the work at Hallett's Point, and the artesian and oil wells of Pennsylvania. Iron has entered largely into modern structures; the great success so far is in roofs. The Grand Central Depot, New York, is 652 feet long and 199 feet between the walls. It covers about three acres. The first iron bridge was of cast-iron, across the Severn, England, in 1779. The bridge lately built across the Mississippi, at St. Louis, has three spans 497, 515 and 497 feet, respectively. The Niagara River bridge, 821 feet, was erected by Roebling, in 1855. The new Niagara bridge, erected in 1869, is 1264 feet span, and 190 feet above the water. We are now waiting for the Brooklyn bridge, 5,862 feet between termini, 1,600 feet between piers and 80 feet wide.

The first railroad was from Milton to Quincy, Mass., in 1826. The cars were drawn by horses. The Baltimore & Ohio was the first passenger railway: 15 miles, built in 1830. The first locomotive was built at the West Point Foundry for a South Carolina railroad; the second, the De Witt Clinton, about 1830 ran between Albany and Schenectady, 16 miles. The Pacific Railroad was completed in 1869. The mileage of railroad in the United States in 1841, was 3,535; in 1872, 67,104.

In 1832 Morse began to devote his attention to telegraphy. In that year he invented the system of telegraphing now known as Morse's. A short line was set up in 1835; but it was not until 1840 that he obtained his first patent. The first telegraph was from Baltimore to Washington, in 1844, and was a success from the start. The latest and strangest innovation is the duplex telegraph by which messages are sent over the same wire at the same time in contrary directions.

The first iron works in America were near Jamestown, Va., in 1619. They were destroyed and the workmen massacred by the Indians in 1622. The next attempt was at Lynn, Mass., in 1648. In these works, in 1652, were coined the Pine Tree silver shillings, &c. Henry Cort patented the puddling furnace in 1784. To Bessemer belongs the honor of purifying the metal by chemical means. The amount of iron made in the U. S. in 1870 was 3,395,718 tons. Of gold, 26,452,652 dollars.

What would our forefathers have said to the India Rubber manufacture in 1776? Priestley suggested its usefulness in removing pencil marks from paper. It was dissolved in turpentine and used by Peal in 1791 as water-proofing composition. Goodyear patented his vulcanizing process, June 15, 1844, after persistent and almost discouraging efforts, which were at last crowned with success. The results of his genius, care and persistence are all around us.

A hundred years ago the shovel, sack and tackle were used for moving grain. To-day we have steam elevators 280 feet long and 80 feet wide.

PRINCIPAL EVENTS—*Continued.*

In no department has progress been more thorough than in wood-working machinery. In 1793 Sir Samuel Bentham invented the sliding bevel guide. Bramah invented the transverse planer in 1802. Thomas Blanchard, of Boston, invented the lathe for turning irregular forms in 1828. The innumerable machines at the present day are very easy to understand when explained, but they have required years of patient study to develop.

The first important American printing-press, the Columbian, was invented by George Clymer, of Philadelphia, about 1817. Nicholson obtained a patent for a cylinder press in 1790. The Hoe press was patented in 1847. The Walter press now used by the N. Y. Times, prints from a roll of paper three miles long and at the rate of 11,000 sheets per hour. The Hoe Perfection press delivers 15,000 perfect sheets per hour.

In 1807 Robert Fulton went from New York to Albany in the Clermont, a boat of 160 tons burden. The first steamboat on the Mississippi was in 1811—the Orleans, 100 tons burden. In 1819 the Savannah (380 tons) crossed the Atlantic. Ericsson's Monitor was built in 1862. The tonnage of the U. S. Marine in 1789 was 201,562 tons, and in 1872 was 4,437,747 tons.

In 1776 plows were made of wood except the wrought-iron share. Peacock, in 1807, cast his plow in three pieces. Wood, of Cayuga co., N. Y., in 1819 patented the best plow. Steam plows are now constructed on several principles: traction engine dragging plows; engines on sides of fields dragging plows back and forth, etc.

Illuminating gas was unknown in 1776. In 1803 Winsor lighted the Lyceum theater in London, and obtained a patent for lighting streets with gas. London streets were lighted in 1815, Baltimore in 1816, and Boston and New York in 1825. Clegg invented the wet meter in 1807, Malam the dry meter in 1820.

The piano-forte was really invented by Christofori, of Florence, in 1711, but it was near the end of the century before it had attained excellence enough to supersede the spinet and harpsichord. The improvements in this instrument are marvelous, and America is in the front rank of excellence.

Glass was known in ancient Nineveh. But it is only within three centuries that its use has become common. Blown-glass was introduced into England in 1559; plate-glass in 1673; cylinder-glass in 1846, just in time for the Great Exhibition building in 1851.

Probably no invention except the locomotive has to so great a degree expedited the transactions of commerce as the platform balance invented by Fairbanks Bros. about 1830. From their factory in Vermont, 50,000 scales are sent out annually to all parts of the world.

Elias Howe, Jr., invented the sewing-machine in 1846. The first valuable sewing-machine was the Singer in 1850. There have been 2000 patents issued for sewing-machine attachments. Last year 600,000 machines were made and sold.

The old fashion match was a splint dipped in brimstone and kindled with a piece of tinder set on fire by a spark from flint and steel. Lucifer matches have superseded all other appliances, employing an immense capital.

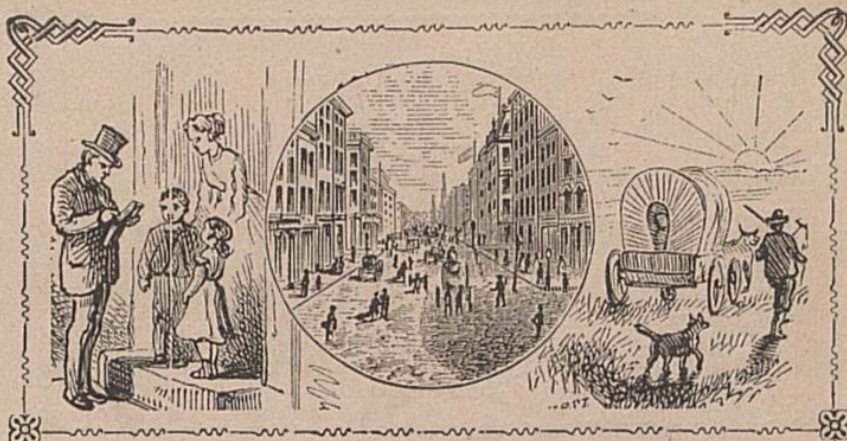
McCormick's reaper was patented in 1834, and, with improvements in '45 and '47, received a medal at the London World's Fair in 1851.

In 1776 safes were made of sheet-iron with hoop-iron bands. Wilder's safe was patented in 1843.

1735 Type first made by Christopher Saur, Germantown, Pa.

PRINCIPAL EVENTS — *Continued.*

- 1785 First high pressure engine in United States.
June 1, John Adams first American Minister to England.
- 1786 First American Sunday school.
- 1787 First cotton-mill, at Beverly, Mass.
- 1789 March 3, first Congress met at Philadelphia.
Park Theatre opened in New York.
- 1790 First United States census—3,929,827 population.
- 1791 First American woolen manufactory.
- 1792 Kentucky admitted into the Union.
- 1794 Cotton-gin patented by Eli Whitney.
- 1798 United States Navy Department founded.
- 1800 August, the capital removed to Washington.
- 1802 March 16, West Point Academy founded.
- 1803 April 30, Louisiana purchased from France.
- 1807 United States Coast Survey begun.
December 22, embargo act passed.
- 1808 January 1, slave importation prohibited.
- 1813 September 5, death of Tecumseh.
- 1814 Hartford Convention.
- 1817 Common school system instituted.
January 1, United States bank founded.
- 1819 April 26, first American Odd Fellows' Lodge.
- 1820 February 10, Missouri compromise passed.
October 20, Florida ceded to the United States.
- 1825 Erie canal completed.
- 1826 July 4, John Adams and Thomas Jefferson died.
- 1828 Webster's Dictionary published.
- 1832 Cholera in New York.
- 1834 Oberlin College for both sexes founded.
- 1835 New York Herald established.
- 1836 First American Observatory, at William College.
Great fire in New York.
- 1839 July 3, first Normal school, Lexington, Massachusetts.
Electrotypes first made by J. A. Adams.
October 19, United States Bank suspended payment.
- 1841 New York Tribune founded.
- 1842 April 1, the Ashburton treaty signed.
Croton aqueduct completed.
- 1844 June 4, war with Mexico declared.
- 1846 Smithsonian Institute founded.
- 1847 Mormons built Salt Lake City.
- 1848 Great Irish emigration began.
- 1850 Native wines made in California.
John C. Calhoun died.
- 1851 December 5, Kossuth visited United States.
Victory of yacht America, at Cowes, England.
- 1852 Henry Clay and Daniel Webster died.
First street railway in New York.
- 1853 May 30, Dr. Kane's Arctic expedition sailed.
First successful steam fire engine, in Cincinnati.
- 1854 May 30, Indian territory enacted.
March 8, treaty with Japan.
- 1856 Sugar first manufactured from sorghum.
- 1857 October 13, commercial panic—5,123 failures.
Central Park, New York, begun.
- 1858 August 5, Atlantic cable laid.
December 31, treaty with Russia.
- 1859 October 17, John Brown's raid on Harper's Ferry.
November 28, death of Washington Irving.
- 1860 May 16, Lincoln nominated for Presidency.
July, Prince of Wales visited America.
Japanese embassy in United States.
- 1861 February, Vassar, first female college, founded.
April 12, attack on Fort Sumter.
- 1864 June 19, Alabama sunk by Kearsage.
July 25, gold in New York touched 257.
- 1865 April 9, surrender of Lee.
April 14, assassination of President Lincoln.
- 1867 March 30, Alaska bought by United States.
- 1869 Pacific railroad completed.
- 1871 October, great fire at Chicago—loss 200 millions.
- 1872 Great fire at Boston.
- 1873 Brooklyn bridge begun.



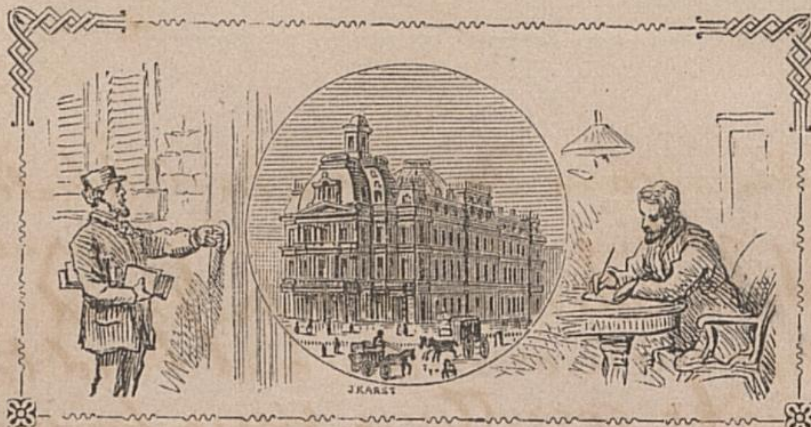
POPULATION OF STATES AND TERRITORIES—1790 AND 1870.

STATES.	1790.	1870.	STATES.	1790.	1870.
Alabama.....		996,992	Ohio.....		2,665,260
Arkansas.....		484,471	Oregon.....		90,923
California.....		560,247	Pennsylvan.	434,373	3,521,791
Connecticut..	238,141	537,454	R. Island ..	69,110	217,353
Delaware.....	59,096	125,015	S. Carolina.	249,078	765,606
Florida.....		187,748	Tennessee..		1,258,520
Georgia.....	82,548	1,184,109	Texas.....		818,579
Illinois.....		2,539,891	Vermont....		330,551
Indiana.....		1,680,637	Virginia....	748,308	1,225,163
Iowa.....		1,191,792	W. Virginia		442,014
Kansas.....		364,399	Wisconsin..		1,054,670
Kentucky....		1,321,011			
Louisiana....		726,915	TERRITOR.		
Maine.....		626,915	Arizona....		9,658
Maryland....	319,728	780,894	Colorado...		39,864
Massachusetts	378,717	1,457,351	Dakota....		14,181
Michigan.....		1,184,059	D. Columbia		131,700
Minnesota...		439,706	Idaho.....		14,999
Mississippi...		827,922	Montana...		20,595
Missouri.....		1,721,295	New Mexico		91,874
Nebraska....		122,993	Utah.....		86,786
Nevada.....		42,491	Washington		23,955
N. Hampshire	141,899	318,300	Wyoming..		9,118
New Jersey..	184,139	906,096			
New York....	340,120	4,382,759			
N. Carolina..	393,751	1,071,361			
			Total..	3,821,059	38,555,983

GROWTH OF POPULATION IN THE UNITED STATES.

Population in 1800,	5,305,937.....	Per cent. of Increase,	35.02
" " 1810,	7,239,814.....	" "	36.45
" " 1820,	9,638,191.....	" "	33.13
" " 1830,	12,866,020.....	" "	33.49
" " 1840,	17,069,453.....	" "	32.67
" " 1850,	23,191,876.....	" "	35.87
" " 1860,	31,445,080.....	" "	35.58
" " 1870,	38,555,983.....	" "	35.00

CITIES.	1800.	1850.	1870.
New York.....	60,489	515,547	926,341
Philadelphia.....	70,287	408,762	674,022
Brooklyn.....	3,298	130,757	396,300
Boston.....	24,937	136,881	250,526
Baltimore.....	26,514	169,054	267,354
Chicago.....	0	28,269	298,983
Cincinnati.....	400	115,436	216,239
St. Louis.....	1,300	77,860	310,869
New Orleans.....	8,000	119,461	191,418



DOMESTIC POSTAGE.

On all LETTERS throughout the United States, 3 cts. for each half ounce or fraction thereof; if prepaid one full rate the deficient postage is collected on delivery.

DROP or LOCAL LETTERS, 2 cts. per half ounce where there is a free carrier's delivery; other offices, 1 ct.

POSTAL CARDS, 1 ct. each.

VALUABLE LETTERS may be registered by the payment of a registration fee of 10 cts. MONEY can be sent with absolute safety by mail, by procuring a Money Order. The fees are: on orders not exceeding \$15, 10 cts.; \$15 to \$30, 15 cts.; \$30 to \$40, 20 cts.; \$40 to \$50, 25 cts.

PRINTED BOOKS, in one package, to one address, 1 ct. for each 1 ounce or fraction thereof, not over 4 lbs.

On TRANSIENT NEWSPAPERS, 1 ct. for 3 ounces and 1 ct. additional for each additional 2 ounces or part of 2 ounces. Other printed matter, Circulars, Pamphlets, Book Manuscripts and Proof Sheets, Maps, Sheet Music, Chromos and Engravings, 1 ct. for each 1 ounce or fraction thereof, not over 4 lbs.

Seeds, Cuttings, Bulbs, &c., 1 ct. for each 1 ounce or fraction thereof, not over 4 lbs.

Samples of Merchandise (except Liquids), Ores, &c., Flexible Patterns, Photographs, Stereoscopic Views, Paper, Envelopes and Blanks, 1 ct. for each 1 ounce, not over 4 lbs.

All transient matter must be prepaid by stamps.

On matter not above specified, same rate as Letters. All matter, except Letters, must be so inclosed that a free inspection is allowed, without cutting strings or wrapper.

JANUARY,

MONDAY 1.

1877.

New Years Day again. Celebrated
by getting ready for my journey.
Wrote letters, packed, prepared,
left memoranda and tried to
make everything snug for any
contingency. Visited considerable
and in the evening we had a
good long ring together.

Faraday's Rules in Lecturing.
~~Two of them -~~

Never to repeat a phrase.

Never to go back to amend.

If at a loss for a word - - - to
stop & wait for it. Fluency is soon
thus acquired.

Never doubt a correction given
to me by another.

Gulls. See Jan. 4.
just right, back of neck with the black
rump as 1st kind
dorange kind cork head. Back of rump
dark slate almost black.
dorange kind coat of the head. Black
like American kind.
English. Chaud. White with outer
half nearly of spread wing black.

JANUARY,

TUESDAY 2.

1877.

My little daughter slept with me once more. I rose soon after 5 and finished my packing. Breakfast was ready at 7 and then came the sad farewells. Both Walters went to the Station with me wading thro' deep snow. The train was punctual and I was soon whirling away from Hartford. The snow grew deeper beyond New Haven and I reached Riverside where I had to stop in time to see the first train from N.Y. of the day. Was at P.C. soon after 1 and got my money at the bank. Saw Gilbert & Josiah Wilcox, Geo. Keeler, Jackson Peck & others. Reached Cook's Office N.Y. at 4 1/4. Spent two hours with them. Got supper at the Alderney Dairy and went to Jersey City & went on board the Russia. My berth was 127 the second inner room on the right of the Fore Cabin. Wrote Mother and turned in about 9.



X My room -

JANUARY,

WEDNESDAY 3.

1877.

The noise of loading & coldness of my room & arrival at a late hour of my mate an elderly German kept me from sleeping the first part of the night. The last part I was very comfortable. Rose at 6 and finished & mailed Mother's letter. From ~~6~~ 7 to 9 was on deck seeing them get off. It was very cold and icy but was clear. Soon after 9 we got clear of the great quantity of ice in the River and went ahead. Wrote Phoebe & Minnie for the Pilot to mail and then was on deck till dinner at one. Was so busy on deck I lost my breakfast but had crackers and apples in my bag. We had a fine breeze and bounded along under canvas and steam all the P.M. & evening.

For we potato, bread & cargo packing daily.
 Suffer, heat & discomfort.
 41 containers & little child. Dec. 31st.
 entire length was 97 tons of coal
 daily

JANUARY,

THURSDAY 4.

1877.

Did not sleep very well at first. The heavy rolling of the ship between 3 & 4 awaked me and at 4 I went on deck for a few moments. Found it very rough but not storming. Through the day we had it cloudy, with continual snow squalls and a sublime sea. The wind grew more steady but stronger towards night. Had a little nausea & the saloons were cold & the warm place in the lee of the smoke pipe was quite circumscribed. So I was not able to do much. Read some in the fore saloon in the P.M. and in the main saloon in the evening.

Mid ocean gull (Hittwaka gull?)
 Smaller for gulls. Yellow bills, black feet.
 Tail square or slightly rounded, white.
 Head neck under parts white ex-
 cept two or three black crescents
 or tufts on back of neck. Back and
 scapulars of wings slate, black
 tip to outer part of wing.
 Another kind? Same size and
 general description - black band along
 forehead upper edge of wing, slender
 to scapulars.

JANUARY,

FRIDAY 5.

1877.

It was very rough last night and we shipped many heavy seas. I was nervous and unable to sleep much. The sea has been more quiet during the day and the weather is warmer with fewer snow squalls. We must now be in the gulf stream. Slept & rested through the forenoon. In the P.M. I was on deck talking with John Hopkin & others. Wrote a letter to Smith and read a little in the evening. They gave Oliver my Italian roommate another room yesterday, so I am alone.

Our position at 12 M. was
 41° 15' N. 45° 30' 46' W. Distance in
 24 hours 332 m. Our direction to
 far has been about one hour S.
 of E. The variation would make
 the true course considerably
 N. of E. Temperature of water
 today (Jan 5th) 56° Wind NW
 therefore it has been about N.

JANUARY,

SATURDAY 6.

1877.

The strong wind still continues. But we did not ship much water last night and I slept pretty well. Have had some nausea yesterday and today but nothing more. Spent considerable of the A.M. on deck watching the gulls &c. About 11 I began "Sinai and Palestine" and read in it till night and in the evening.

This is Willie's birthday. He would be seven years old if living-

Staff of said

My Son

50/500.

1891

off John 8^o 11

by Jack

of Jack

and

מח

18.

540 of air 400

Ca 12. N. - 42° N. 51° 30' N. distance 330 m.
Temperature of water this morning

JANUARY,

SUNDAY 7.

1877.

A rough night and day the
shipping badly and taking
in much water! Cross sea
and N.W. wind. Was sick when
I rose and hurried on deck
retching. Ate a little oatmeal
but had to lie down and
finally gave in and threw up.
Lay on the sofas all day
and did not sit at table
again. Almost all the passen-
gers were sea-sick today.

I was not able to go to
religious service in the
main saloon or read my
Bible much. The Italian
Mr. Oliviere when going
down stairs to his berth this
P.M. was thrown forward by
a lurch and broke his leg at
the ankle - a hard case.

44° 7' N. 44° 30' W. dist. 332 m.
Course N 62 E water 55. air 47.

JANUARY,

MONDAY 8.

1877.

The sea quieted down during the night and was smoother today than before. The wind got into the E. and all sails were furled. Finally it got to S. E. and sails were hoisted again at evening. The day was so delightful I was on deck most of the P. M. A great flock of gulls followed and often sat on the water. Well today and read Stanley's Sinai & Palestine all the A. M. and evening.

Saw a sail this P. M. some 12 miles away.

Steward Ed. & Ahman -
 Above in our cabin.
 Mrs. H. Kidland & Henry.
 Scott's servant of Miss Duncan
 A. Oliver, Nurse
 Adolfo Tedi.
 Carlo Luciani, House.
 Departures -

46° 23' N 38° 5' W. N 63 E.

JANUARY, TUESDAY 9. 1877.

The head wind continued thro' the night and till noon. I slept tolerably well. It has been a beautiful day. Have spent most of the day in writing letters and an article on "Ornamental Trees" for the Express.

Was on deck considerable in
the evening -

Walter Deilden
of
Boylston House, Mass.

Mr. S. C. Drury
John + Mrs. J. de Van

F. Brinwell.
John Douglas

John A. Sitt.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

1848

James D. Perkins
M. E. M. 8. 10

[Faint handwritten notes at the bottom of the page]

A. Olivier

Hand Dime and 4 Cent Post-Office Stamp.

Robert Craig,
D. A. Manning;

of servant: Geo. Wood.

Baron de Reichelder, Alex. Heideck,

Miss Alice
Carlo D'Almon, Florence

[Faint handwritten notes at the bottom of the page, likely bleed-through from the reverse side.]

Cartridges. 44 in an

Prof. Van der Waerden at 30 N = 35

48°15' N 73°35' W distance 2.705

[illegible]

JANUARY, WEDNESDAY 10. 1877.

Slept tolerably well. This has been another fine day on deck where I spent a good share of the day. Went through the engine rooms and to the end of the "tunnel" and through the furnace where 28 fiery craters make the steam and consume from 85 to 105 tons of coal daily. Got some oil on my clothes and gave them a thorough cleaning afterwards. Read and wrote some in the afternoon and evening.

79°50' N. 24°19' W. Sit 301 m
Course N. 72° E.

JANUARY,

THURSDAY 11.

1877.

Wrote most of the day. It was
raining till afternoon then windy
but we had good sailing.

50° 57' N, 16° 7' W. D.R. 9.45-320m
Course N. 78 E. Wind N.

JANUARY, FRIDAY 12. 1877.

Saw once more. Rose early and saw the bluffs and hills of Ireland. Gally Head Light then Kinsale Lighthouse white with two belts of red brick. The sun rose clear, water a true sea-green. The light ocean gulls were gone & heavy land-lubbers took their place. Lines of white sea fowl with black wings scud^{ding} close to the water. Pitt's signal towers. Fields, many green. few houses on these seaward hills. 2 steamers & several ships. Then "Garret Rock" Light Ship. "Cork Pilot" with brown sails. Rary in towards Queenstown. Tender "Jackal" took mails and 6 or more passengers. Randolph from New Brunswick. Australian man & others. 10 o'clock off. Elinpse of 2. Castle & woods.

Ballycotton Light. Five Mountain Range in Interior. Peaks seemed 3000 ft. high. Wide coast, table lands abutting on sea with rocky cliffs, bays and great slopes coming down to the water. Land recedes. At dusk, "Dusker Light". Wrote in the evening & read. Wrote a letter for Mrs. Gillard.

 Almost universal fence in Co. 4 or 5 slats & one upright 'raway' between the posts. Few great cattle - not secure from prisky. Hawthorn hedges everywhere almost whole length of R.R. besides fences -

Where get R.R. ties & fences? Gardens & depots
Some sections - Derbyshire stone wall almost as brick.
JANUARY, SATURDAY 13. 1877.

Docks dim in fog - Fog all day.
Rose at 6 o'clock. Found the
Steamship at anchor in the
mouth of the Mersey befogged
and waiting for high tide.
Breakfast at 7. Started at 7 $\frac{3}{4}$. Fog.
British Queen towed. "Satellite" fast about 9.
"Any cigars tobacco or liquors in baggage?"
Didn't make me open. Ashore at 10. Goodbye.
Gossage & Cab. His business. Took Midland cars
at 10 $\frac{3}{4}$. Strange look of cabs and houses
policemen, heavy draft horses. Old parts
like Boston. Gossage & a compartment
brakes, light. Cars glide ^{on left hand track} with low shrill
whistle, swift, carriages light on curves
unpleasant jerk. 6 hours Liverpool to L.
Cross no road or R.R. at ^{many tunnels} ~~stage~~ ^{all} bridges
generally brick or stone. Banks sown to grass
& smooth ^{ungrazed} where possible. No stop over 5 minutes.
Foggy all day. Level country ^{near Liverpool} hills, ^{rocky} wild scenery
in Derbyshire, Matlock. White with snow there.
Green fields as left Liverpool strange.
Stacks of straw, oblong thatched. Redford (Bungay)
Waltham Witches. Fine country. Great field of
grass or wheat or ploughed. ^{Bedford to London} Each
farmer establishment a village. ^{Some working on land. Land worked w. great pains.} Sheep herds
freemery in gardens. Flocks of birds. Yellow
flower as bush. Few orchards. St Pancras
Station 4.20. To Fower St. Underground R.R. To
59 Great Russell St. cab. Mr. Cook there.
Supper. Read papers. Wrote.

London

JANUARY,

SUNDAY 14.

1877.

A dark, damp & rainy day. I slept well after lying awake a while Rose at 8. and after breakfast found my way to Chancery Lane where I took omnibus to the Elephant & Castle and went to hear Mr. Spurgeon at Metropolitan Tabernacle. Found few there as yet. With an Englishman I took a seat in the aisle till a lady invited us into her seat. Five minutes before the hour - 11 - strangers may be invited into seats not occupied. The church is broad and has two galleries running entirely around it. At the back end of the oval, formed by the lower gallery, on a level with it is a projecting platform with railing around it & below in front a larger one where the orphans are seated or any who choose to occupy the vacant seats. The church is neat but not gaudy. The pillars & arches are somewhat massive. At 11 Mr. S. came down from a door above with his deacons. Exercises as follows. Invocation, "Hymn My heart is resting O my God." Ps. 37 with much exposition. "Hymn My God my Father while (Charlotte Elliott) Prayer, Hymn Blessed are the sons of God. Notices Over 50 minutes spent in this. Sermon Ps. 37.7. Rest in the Lord. When he reached the 3rd head he said: "Here I wanted most time but with my usual improvidence I have squandered it." Sermon about 45 minutes. Invitation to members of Ch. & members of all in Ch. to Lord's Supper in Lecture Room. Prayer & Benediction. Table spread on platform. Mr. S. & Deacons sit behind. Without notice sing Jesus the very Chief of thee. Blessing. Bread. A deacon asks a blessing on the cup. Song to close Mr. S. remarking Jesus never asks his people to partake on an empty stomach. Deacons stand by door as go out to collect tickets & offerings for poor. Spoke very plain in dress - nothing marked in appearance. Very easy & free from affectation. Sat through everything at ease but rose to hand elements to his deacons. In pulpit often stood - one hand on railing, one on the table & on one foot. Sermon very scriptural & rich, just what I needed. Common people. Heard him attentively. Reads whole hymns then each verse before sing. Between singing sounds like chanting - voice so musical. Names the Preceptor stands by him. It was so rainy I did not go out in the evening. Had rather a lonely & dull P.M. & evening. Could get us vegetables only bread & chocolate & a little mustard & rhubarb at home.

London-

JANUARY,

MONDAY 15.

1877.

Slept late when I got asleep. Soon after breakfast I rode with Mr. Cork to his office and arranged my tickets. Was in the Reading Room a while. Called for a few moments on Mr. Mrs. L. H. Fowler in the same building. Walked along the Thames Embankment to the Park to meet George and Westminster Abbey in which I spent two or three hours. Slowly walked home - buying Stanley's Sinai and Palestine and some little things on the way. In the evening wrote home and bought & sent Mary a Chatterbox. Some new people came to the Boarding house with whom I had some pleasant conversation. Chas. the waiter here is an institution - an innocent youth with wallow-tail coat - white cravat and standing collar. Met C. A. Gregory tonight & formed a pleasant acquaintance.

Italy. "Hundreds upon hundreds of thousands of francs (millions) locked up in the melting trumpets of this all over Italy & the people ground to death with taxation to uphold a perishing Government. Italy for 1500 has turned the most of her energies, more of her finances & industry to the building up of a vast array of wonderful church edifices & starving her citizens to accomplish it. She is today 'one vast museum of magnificent & misery.' Grand Duomo of Florence - a vast pile that has been sucking the purses of her citizens for 500 years & is not nearly finished yet.

Medici Mausoleum. Large as a church, pavements rich enough for palace of a king's palace: great dome gorgeous with frescos. its walls - red porphyry, verde antique - jasper - oriental agate - alabaster - mother-of-pearl - chalcedony - red coral - lapis-lazuli. All vast walls made wholly of these vast precious stones worked in & in together in elaborate patterns & figures & polished till they glow like great mirrors with the pictured splendors reflected from the dome overhead. Before a statue of one of the dead Medici's reposes a crown that glazes with diamonds & emeralds enough to buy a ship of the line almost. Sequestering the Church's property -

JANUARY,

TUESDAY 16.

1877.

Was called at 5.45. Dressed packed and had breakfast. At 7 with Mr. Cook and family rode to the Station of London Chatham & Dover R.R. Rode alone to Dover in a Second Class compartment. Left at 7.40 & arrived at 9.40. Thro' hundreds of acres of smoking chimney crocks and smoky roofs into suburbs, Sydenham &c. Chatham with old castle Canterbury and Cathedral. Few orchards - mossy trees. Chalk appears. Dover into boat - the "Prince". The Cooks took a private cabin. Left about 10.15. Dover Castle, Chalk Cliffs. Rough Sea and cockle shell of boat. Bowls distributed round & stewards waiting on people. Stomach felt bad but not much nauseated. Sick but could see land across like a faint cloud. Often had dash of water over the deck. Reached Calais at 12.4. Forts earth works & sailors & soldiers on guard. Foreign looking common people. Got dinner. Potato, bread & tarts with plums. All in same compartment to Paris. Mr. Cook Mrs. & two daughters, another young lady and myself & Mr. Lewis. Left at 12.35. Light red roofs - tile of the houses. Salt marshes. Poor soil. Vast cultivated slopes. All thro' few fences or hedges except along R.R. or in villages. Trees all in straight rows. Pollarded willows. Usual fence is a paling - pales like barrel hoops & light bars. 2 or more wires woven through. Great patches of brown in blossom. Boulogne. Amiens. Abbeville. Creil. Near coast to Abbeville which accounts for much barrenness. On all hills along coast earthworks. Houses of brick or plastered, tile, slate or thatched roofs - often walls whitewashed. Roping brands with crosses of wood or iron - few stones? Wooden crosses - sometimes monuments where roads cross - cross with a Christ on it. Vast cultivated slopes still green or ploughed. Level bays of vast extent. Peats on mounds. Sheep of flax. Spring gardens. Yellow flowers - white flowers - snow drop. Trees tapped out - alders? or birch? Bell glasses over plants. Slopes terraced often. After 5 grows dark. Day much longer than at London. Paris at 6.05. Cooks were much us. Take us to our omnibus. Get our baggage through without opening. Go to Hotel Vendôme & New York. Mr. Lewis & I a room together. Warm milk & bread & an orange delicious. Mr. Lewis & I go out for one hour. & find Place Vendôme & Tuilleries Gardens. Austrian & Englishman try to "rope" us.

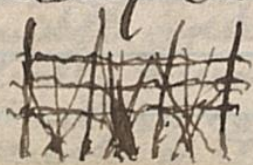
Excellent & long deep. Breakfast at 10. Mr. Lewis & I walk to the Seine, and spend two or three hours in Louvre among the paintings. Delightful. Come home alone & write. Like Paris better than London as I have seen them. Clean, bright, lively, more like New York. Many speak English. At 7 or soon after we set out for the R.R. Station. Had to wait a long time before we could get into the cars. Mrs. Cook her daughter and niece went with us. By the managing of the Mr Cook's men we finally got a car to ourselves - Mr Cook, E. Goodwyn Lewis, Mr Tilton of Exeter N. H., and myself. We took a first class car on this line. At 8.40 we bade the ladies good bye & were off. It was dark and rainy and we could see nothing. So we resigned ourselves to sleep.

See next two pages. Culture of vine. 1. Tied to stakes - Switzerland & Ill. chiefly. 2. Trained on frames of poles. 3. Swung from one mulberry tree to another.

2. In hills 4 or 5 ft apart. Sloping poles around each hill crossing & tied around at the cross in one bundle . Row of poles about 3 ft. from row of vines on either side, planting out fastened by 3 rows of withes, reaching not above 8 ft. Vines trained ~~up~~ these poles & along these vines.

End.

Side



JANUARY,

THURSDAY 18.

1877.

At 5.40 we were at Malorn where we had time to get something to eat and stretch our limbs a little. An Englishman got into our compartment here. Day dawned over a level country with distant mountains. There was ice and lower frost. Pale fences supplemented or replaced by locusts kept out to a height of 3 or 4 feet. Lombardy poplars crossed the Saone at ~~6.40~~ reached (7.40) Amberg. Enquire to back end of train. Plunge among Mt. up a narrow valley along a river. Cliffs, tower-like crags, sublime scenery. Vineyards, Swiss like houses & villages. Factories for cotton & beet sugar looking like U.S. Vineyards on all slopes. Is it a limestone? At 9. Culor. Met Dr. & Mrs. Schaff. They took another car. Cross Rhone-Savoy. Upper angle of roof truncated. Chambery. Valley between peaks & chains covered with winters snow. After leaving Culor passed along a beautiful lake - blue & green with a willow wall beyond it & a castle at north end - Lake & Castle of Bourgeot? Ground gets white. Under the Mt. Blanc chain. Mt. Blanc himself. Mr. Cook said. Modane 1.21. Frontier of France. Looked at my passport. Some questions about my baggage as at Liverpool. Washed & ate. Italian carriage. Up a steep horseshoe 4 miles Mt. Cenis tunnel. 25 minutes through Italy. Sun warmer. Language & all printing different. Along right side of valley. Awful abysses on left. Many tunnels. Snow left snow. See it on Mt. further & further above us. Chestnuts abundant. Towers on peaks. To left valleys of Waldenses. Great castle on peak at opening of Po valley. Dark. 6.40 Turin 501 miles from Paris. Hotel Trambetta. Salle & lower floor & upper where bed-room was some 15 ft. high. Regal appearance. Spent hour or two with the Schaffs. Retired early.

JANUARY,

FRIDAY 19.

1877.

Slept pretty well. It was 8 o'clock before I was aware. We were off at 9 for the station & steamed away at 940. Took 2nd class compartment. Mr. Wilson & Mr. [unclear] had to remain & get their trunks through the custom house. Party - Mrs. Lewis Cook, the Schiffs & myself. Frost & ice were everywhere visible. Had one or 2 Italians in with us most of the day.

Alps on right receding country well cultivated. Two furrows trenched together making slight ditches two or three feet apart leaving the areas of grass wheat & flunged land a peculiar appearance. Mulberry trees.

More broken country

More brick country
glazed brick, plastered, furrowed tile roofs -
several clay color to walls - roofs often
mossy. Art. - fountains for vines. No fences.
Open small - many clay colored, many
drainage. 11.19 Alexandria. 1.40 Piacenza. ~~11.20~~
~~11.20~~ 'Paved field of Marzotto this A.M. At
Alexandria we passed over the Po down whose
valley we pass all day - Country much of it
well cultivated, no waste land.

There is no fence along roads or in fields
ordinarily. Hedges along R.R. & other fences near
stations with granite posts. Roads with
stone posts 2 ft. high for 3 rods apart at
uniform distances - to mark margins -
- in Savoy round or conical. Here not so
carefully formed. Lands divided by ditches
or rows of trees - Mulberries almost
universal - Long rows through fields, along
lanes & roads & paths. Pollarded generally to
make new shoots. Some were hedges
Vineyards - in N. Italy vined to stakes.

then trained as a frame of poles. then
from Parma or carried from tree to
tree. Mulberries planted for this apparently.
Near Piacenza we passed over the Trebia.
Modena 4.08. Bologna 4.52. Monastery on
a mountain S.W. of B. (to right of B.) We were
half an hour to al. Then train reversed.
Ran up the Reno. Dark. Long time
reaching summit of Appennines. Then
plunged down thro' miles of tangles of
every length up to several miles to
plains of Tuscan. Florence at 8.30
Hotel of New York -

Bologna. University. Famous law school of middle ages. Modena walled town partially & most interesting place. Immense earth works & castles about most of these towns.

Florence.

See also bottom of 27721-15. Jan.

JANUARY,

SATURDAY 20.

1877.

(Waldensian College.)

As early as I could I called on Dr. Van Hater and Langmuir briefly. I returned with me to the Hotel Dr. Schaff returned with Rev. Mr. McDougall. Mr. McD. offered to show us round. As he has been well acquainted with Florence for 20 years we were very glad of his aid. He showed us the beautiful bridge with flat arches also the old bridge where all the jewelry shops were until recently. Palazzo Vecchia and its statuary. Campanile in which Savonarola was confined. In helpy an old man painted the walls most beautifully. No one see it. "But God will." Spent in Piazza where Savonarola burned. Dante's house court where he played. Lane where he saw Beatrice Cenci. Michelangelo's house - rooms and instruments & designs. Santa Croce (Westminster Abbey of Florence) Monuments to Dante, Angelo, Alfieri, Machiavelli & Galilei. - Poet, Artist, Dramatist, Statesman & Scientist all of whom but Galilei were buried here. The Duomo. Planned by Giotto, Dome by Brunelleschi. Campanile. Vast interior. St. Peter's Dome higher lifted - not larger. Baptistry. The gate of paradise by Ghiberti. Church of San Lorenzo - Mausoleum of the Medici. Wonderful marble interior. Angelo's Day & Night, Dusk & Dawn. Uffizi Palace. The Venus de Medici. Great stores of painting & statuary of a very celebrated character. After we were thro' with the Pitti Palace we saw where Mrs. Browning lived & the windows from which she described Florence. Mr. McDougall took us into his house which is an old palace & is very beautiful within in fresco & furnishing. In his study a historic murder was perpetrated. The window looked into the apartment of Walter Scott where he was there. We rode to the top of San Miniato - saw the birthplace & summer residence of Victor Emmanuel. The residence of Eugene of France, the home of Galilei & the tower from which he made his observations & a Ch. & Cemetery at the top. The view was one of the most beautiful ever seen. The trees of Italy - olive, cypress & the shrubs west of them in leafy green, in flower made a deep impression. Returning I went to Van Hater's to deposit my till nearly 9 P.M. but he to the Hotel & Langmuir walked to the Station with me. Had a delightful time with my class-mates & V. L. K. family. They are noble men. We left about 10 o'clock. Lower where I am confined 25¢ for reading.

Rome -

JANUARY,

SUNDAY 21.

1877.

After a cold and uncomfortable night we reached Rome more after 6 o'clock and were driven to the Hotel d'Allemagne. I turned into bed for some two hours. Then as it was cold everywhere in the Hotel I walk about in the city a while. At 11 I tried to find the Am. Union Chapel. The porter misdirected me and after wandering an hour I returned. A little before 2 I - somewhat against my conscience - drove to St. Peter's with Dr. & Mrs. Schaff. Having looked that over briefly we rode to the Scotch Presbyterian Church just outside of the People's Gate. We heard a most excellent sermon by Dr. Hansen on the words "Cast thy burden on the Lord and he shall sustain thee." It came home to me with profit. Afterwards I was introduced to Dr. F. Dr. Verhume and two ministers by the name of King. With the latter and the wife of one we walked across the Pincio to our Hotel. The avenues were crowded with people on foot and in carriages. Among the latter we saw King Victor Emmanuel. There was nothing especially to mark his carriage or himself. I retired at 8 o'clock chilled and half sick & not satisfied with my keeping of the day. Crowds filled the bridges and lined the banks of the Tiber to see Capt. Boynton swim down in his life saving apparatus waving the American flag. It was a sad illustration of a Roman Sabbath -

In morning at 7 we saw a fine library & reading room in 4 departments Italian Eng. French & German. There is also a Normal School for boys & one for girls taking an old palace for this. Free Church of Italy Schools. Sunday School the fort in Italian.

Rose before 6 and wrote home and saw to my washing and other matters. At 9 a party of 15 gathered at Cook's Office to see the great curiosities of Rome in three days under the guidance of Shakespeare Wood. Taken in omnibuses to Palatine Hill. Walked to the top. Placed on the gravel and lecture as the topography & history. Pointed out the seven hills. House of Tiberius Claudius Nero with frescos. Site of house of Augustus. Palace of Tiberius, substructions of palace of Caligula. Great suite of state rooms, built by Domitian. Lararium, Basilica, Triclinium, Mountain Room &c. Great Stadium of Domitian. Gigantic Porticos of Septimius Severus. House of Elotianus - barracks & school. Circus Maximus. Lunch. Colosseum - Temple of Venus & Rome. Basilica of Constantine. Meta Sudans. Arch of Titus. Arch of Constantine. Temple of Vesta. Temple of Fortuna virilis - quadrilateral well preserved. Ponte Rotto & view along Tiber. Cloaca Maxima. Island in Tiber from where lodged there on expulsion of Tarquins - Theatre of Marcellus. Portico of Octavia - the Ghetto.



Form of Circuses. End radius of great circle of which point a is the centre.

Septimius Severus had two sons Geta & Caracalla. The latter slew the former. Then had his brothers name cut out on all his fathers monuments and the inscriptions altered. The change is easily perceived. We concluded Tuesday by a visit to the Pantheon & Cemetery of the Capuchin Friars (Franciscans) where the bones of 40,000 monks are collected. 40 graves. 3 or 400 years collecting. Wrote in the evening & retired early.
Remond's Opera & House

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Capitoline - Arch of Septimius

Rome

JANUARY,

TUESDAY 23.

1877.

Rose at 7. Wrote an hour or two.
At 9 we were off to the Forum. Here
we spent a long time. Then we
rode to the Fora of Augustus with his
great wall bounding it and of Trajan.
After lunch we rode to the (2)
Basilica of St. Clement of the 12th
Century. Subterranean Basilica of
4th century - marvellously preserved
frescos - for most part perhaps not
anterior to 8th century. House of
Clement (sent to Chiroberus tied to
and thrown into the sea) Temple of
Mithras. Presbytery of upper basilica is
from lower basilica - carried up.
Basilica below was turned into a temple
of Mithras. Mithraic worship (Zoroaster)
much like christianism, principle of good & evil
eucharist - baptism - grave duty - covered
with boards with holes. Bullock slain.
Blood dripped on person below -
(1) rode to Ch. of St. John Lateran - the Ch.
of Rome and and the Catholic world.
Pulling down after - on Pope's Authority.
Scala Sancta. Acqueduct of Nero -
Hammering Prison, stone to which Paul &
Peter tied. mark of Peter's head. Room into
which figurines of the emperors were thrown.

1 Arch of Septimius

Severus

2 Rostra

3 Vic. Sacra

4 Clivus Capitolinus

5 Quirinalis

6 Forum of Trajan

7 who founded of plan

8 aqueduct & in view of

9 debt of people had

10 records of taxes took

11 & burned

12 Column of Phocas

13 By rows "Hammer"

14 Row of honorary

15 monument

16 Pedestal of Domitian

17 equestrian statue

18 Temple of deified Julius

19. Rostra whence Mark

Anthony delivered his

20. Caesar's funeral oration

21. Basilica of Antoninus

22. Temple of Castor & Pollux

23. Temple of Vestra in

same locality?

Capitoline

Curia

Salutis

Vespasianae

Tabulariae

Basilica Julia

10

12

10000
10000

JANUARY, WEDNESDAY 24. 1877.

We were at Cook's Office & 8. Mr Wood was late. Drove past by Bridge & Tower of St. Angelo to Vatican. Sistine Chapel. Angelo's Last Judgment &c. Pictures in honor of dogma of immaculate conception (that Mary conceived by power of H. S. without sin). Here Mary in centre of Father, Son & H. S. Raphael's "Transfiguration" Communion of Jerome Madonna di Foligno &c. Raphael's Procession of Holy Ghost. Holy Trinity in centre - the picture above much later showing progress of Mariolatry. Night of Constantine with Maxentius at the Milvian Bridge. Painting of blood on the napkin proving Transubstantiation. Museum of Sculpture. Hall of the Pigna. Rapes on the Sarcophagi emblematic of life. Sarcophagi of Helena & Constantina her dau. of porphyry. Bronze Hercules. Gracilar arrangement. Porphyry bathing tub. Ancient imitation of Agisander's Laocoon. Apollo Belvidere also a copy. Augustus found near house of Livia his wife. Titus. Pieta. (Vile) & 16 cherubs = 16 cubits rise of stile. Highest holding cornucopia. Dido's tomb. Domitian Antoninus Pius. Torso of Angelo. Sarcophagus of Seipio - grandfather of Africanus. Canova's works. How moved to Paris by Napoleon. Sacrifice of Iphigenia. Menander author of "Evil communications corrupt". Belvidere - just before we started off in the P.M. with the Schaffs I went for a moment into Van Meter's School. Heard a most wonderfully natural dialogue between 2 little girls exhibited for our benefit. Baths of Caracalla. Building 700 x 500 ft. grounds 1/2 mile square. 11 miles in Rome. 1/2 mile as large. Walled by double floor. Turkish or Russian bath. Here porphyry vases. Palaestra to get warm in before bathed. Ch. of St. Paul beyond gates. Ch. of St. Sebastian. Catacombs. Circus of Maxentius. Aqueduct of Claudius. Appian way. Sabine & Alban hills. Tivoli Canoe. Campagna. Columbarium. Tombs of Horatii & Ciceronii. Villa of Mauntili. Tombs all along the way. Wrote in evening. Caps for Naples at 10.50. Visited St. Peter last thing in a.m. also Ch. of St. Petronilla between St. Paul's & St. Sebastian. Goldsmiths archaion

Naples & Pompeii

JANUARY, THURSDAY 25. 1877.

Had a seal to myself till after midnight - where someone came in. Altogether I rested considerably. Reached Naples at 6, Hotel d'Etrangers at 7. Found Mr. Root there at 10 1/2 the Schaff, 4. got & I rode to Museum Nazionale & hastily walked through it. Here we saw the Torso Farnese & the Farnese Hercules both from Baths of Caracalla - the former restored by Michael Angelo. Many Pompeian remains especially 1700 Papyrus. Process of unwinding. After an hour here a 2 hours ride to Pompeii. Left Mr. Root at Torre del Greco to ascend Vesuvius picking him up at night. At Pompeii from 1 1/2 to 4. Wonderful remains. Temple, forum, house of Dioned & (Pulvis last days of P.) Bodies in museum - men & dog. 2 1/2 hours back. Wonderful scenes of road from Naples to Pompeii. Umbrella shaped pines of Naples. Waggon (shaft.) animals drawing them, harness. The saddle. Beggars. & begging - macaroni, Orange and lemon trees. Mr. Vesuvius - 2 large donkeys little donkey & horse abreast ox and horse, cow & donkey, large & small donkey. Walk in evening. Retired early. 30000 inhabs. 400 to 600 destroyed, Atrium & also Jan. 31 -

Styxes throwing down ruins on Palatine. In one place a wall 3 ft. thick being toppled over by rob of one left by Roma who cut down 30 when he began exploration at Rome.

Palaces of Caesars & Augustus were used from beneath - double floor with flues running up the walls - 10 bathes & probably all buildings.

Island built on cone left dropped by Tarquinius when expelled. Lodged on a shoal - now Island of Riber.

Fences about Rome of brush & thorns kept together by two or 3 lines of cane on opposite sides. ~~thorns~~ tied thro.

Young trees often ~~thorns~~ protected by a bundle tied round.

Italian hat. Boys & men often in sheepskin coats. Peasantry women often in blue skirt, white bodice. Bright bodices over white bosom skirt. Folded towel (as it were) over heads.

Naples to Brindisi.

JANUARY,

FRIDAY 26.

1877.

was called at 3 1/2 and at 4 we rode to the Station. The Schaffs & myself took a 2nd class compartment. Starrs, Foot and Cook a first class - 3 young Italian men & 4 women rode with us to Caserta. One was an Engineer of Army. Talked with the Dr. He was very intelligent and apparently smart. Complained of Soil for being so slow in moving country forward in Agriculture, Education &c. North Italy has felt the influence of Austria & is much more advanced in these respects. The party had evidently been to a Ball or something of the kind. Like a similar party with us, gay Aqueduct of Festuculation among Italians. This party & every where the appearance volcanic among groups. Struck branch of Volturnus & followed to source. Valley sometimes broad sometimes narrow. Changing scenery - Oaks & olive orchards on hills. Some mulberry trees & vines. Hills grass bare & brown. Small villages on sides & castles on summits occasionally. Long tunnels in succession & on other side. Down steep hills into vast areas of wheat & vast plains. Square miles of wheat. Among mountain heads of light grey cattle, horses, sheep, goats, each with the shepherd. Driver. Minerva on board. At each station crowds to see him. Often bands. Foggia. Change anxiety about tickets. Relieved. Barletta. Along coast. Hence to Brindisi almost a vast olive orchard. English Walnuts in last summer leaves. Almonds, Peaches, Pears & Cherries in bloom. Marigolds & English daisies often color ground besides strange flowers. Roses sometimes. Orchards of fig trees. Gardens of oranges & lemons. English beans in flower. Oil presses. Circle around olives from raking. Pressing olives. Trees grow large. Mollus shells, strips joining into a head. Turnip & cabbage family. Zucchini, Artichoke. Heaps of cell grass. Land stony. Walls everywhere. Wild cacti. Hedges along R.R. Bari. Large place. Large town all along. Enterprise. White Horse. Level topped wall of hills from Bari. Great plain. Brindisi. Hotel of E. Indies. Dinner. Walk with Schaff, Foot, Starr. Went on Minerva. Finished letter & sent off leave. Adventure with the beggar boy. Dr. Schaff's umbrella.

Brindisi to Corfu.

Thro' Mr. Cook our party did not have to open any
baggage in entering Greece at Corfu.

JANUARY,

SATURDAY 27.

1877.

The boat started at midnight. I got up
to see the sun rise but it was cloudy. The
mountains of Albania were full in view.
Read and wrote much of the A.M. From noon
till 3 the weather was delightful on deck and
I was there most of the time. Albania was
one wall of mountains - the more distant
covered with snow. Corfu appeared with
its highest peak Mt. Salvador - 2900 ft. +
as we got nearer we saw that the island
was generally well cultivated and covered
with orange groves. We came to anchor
soon after 3 and went ashore with
our baggage in small boats. Mr. Cook got
us through the Custom House without
things being opened. We were taken to the
Hotel St. George through streets scattered
with men in Greek & Albanian dress. The
signs were in Greek. About 4.20 the Schiffs
Mr. Starr, Mr. Foot and I rode to the "One Sun
Battery" & back along the Strada Marina.
Gathered anemones and other flowers. Saw
the Kings summer palace & wonderful
orange groves. Seeing me gather flowers when
we came back a boy had a beautiful bunch
of roses ready & ran along side. With my
small wrappers in that direction I was
tempted & lured. When a son - when he
took it and kept the flowers too and I
was wiser than before. After dinner Mr.
Foot and I took a walk in the village and
beautiful piazza. Wrote then a while.

Man in tower at Florence who painted
for God to see. Indifferent to the great
danger of the Italians - in religion -
6 balls on arms of Medici family -
thence 3 balls sign of pauper brother -
Technical & H. H. charts & maps on
walls of schools of True Ch. at G.
Dante did his work "for love of it &
glory of God."

Bulbul of Persia - Byron called the
sultana of the nightingale in a cage in the
"Nimera". Black head with oval white spot
on sides of neck. Otherwise much like the
mocking bird. Somewhat smaller.

Off Albania.

JANUARY,

MONDAY 29.

1877.

We were not called till 5. When we went on board the *Hungaria* we found her a very comfortable boat. At 8 we started dipping our flag to the Devastation as we passed her. The old castle fort of Corfu was soon perceived & we went to our reading & writing. I looked over Mr. Doole's books on shells, botany &c & spent some time over the latter. Mr. Watson & I took a cabin together. About noon we came to the shore of Greece. The country still retained its mountainous character. We passed about noon the Gulf of Arta ~~between~~ that separates Albania from Greece having run between Paxos and Antipaxos & the mainland. We passed the island of Santa Maura to landward and then between Cephalonia and Ithaca at the narrowest point while at dinner being hardly a ship's length from Ithaca. Did considerable reading & writing today. Sketched also in the evening from memory. Our meals consist of luncheon at 7. Breakfast at 10. Dinner at 4 1/2 and tea at 8. Was able to get a cup of milk for luncheon this morning which I enjoyed much.

The country along which we passed today appeared for the most part rocky & sterile but midwinter & fore-shortening of the mountains may account for much of this. It rained hard when retired. Towards night we saw the Gulf of Patras.



Off Greece

JANUARY, TUESDAY 30.

1877.

I took as usual the upper berth. Mr Watson preferred as people usually do the lower. When my head was on my pillow I could look through the bullock's eye when the waves sweeping past for this it was raising the moon was full. There was little motion to the ship and I slept very peacefully till about 7. The mountains of Greece back of Cape Matapan were about rising high sharp and untravelled. Wrote & studied thro' the day - reading "The Innocents Abroad" the last part of the day. It grew very rough towards noon & continued so till evening when we got under the lee of Crete. My stomach was uneasy in the P.M. and as they have little at dinner I like I did not eat but ate lunch at 8 o'clock.

Our party consists now of
 Tros. Cook, Prof. & Mrs. Schaff, Mr. and
 Mrs. Starr of Orange N.Y. Mr. Forsyth,
~~Orange~~ Founder of Glasgow & wife,
 Rev. Mr. Johnstone of Glasgow and
 his brother an ex-Sugar Merchant.
 John Watson of Glasgow, Coal Miner
 (offered £200,000 for his coal lands.)
 A.G. Foot of London & Mr. Scott of London
 Outside of our party there is a Turkish
 Bey from Assyria who has been fighting
 the Servians, two Maronite priests, several
 Turks and an Ethiopian boy.

Off Crete.

JANUARY, WEDNESDAY 31. JANUARY 1877.

The sea was more smooth during the night. Awakening from sleep once or twice I looked out with light raising my head, by moonlight, upon the snowy mountains of Crete. After a night of refreshing rest I ~~awoke~~ arose to see the east end of Crete with a group or two of snow clad mountains. It was cloudy through the day with intervals of sunlight, and showers of brief duration - but the sea was smooth, the temperature mild and the day pleasant. Read much in Mark Twain's Book, besides some writing, visiting and resting. At dinner I made known my vegetarian habits which had not been respected before.

Our cabins are quite commodious and well ventilated as the Hungaria are food good, and we have reason to be well satisfied with the Hungaria.

"See Naples and die." Begging, Walking in streets - because no sidewalks to speak of. Getting run over - Hungarian life. No wooden houses ~~any part of~~ in Italy. Opulence & poverty more in contrast in Naples than elsewhere.

Pompeii. "Even so it seemed to me & I comforted myself for the coming death with the reflection, Behold the world is passing away." Pliny endeavoring to save his mother.

Reach Egypt - Alexandria.

FEBRUARY, THURSDAY 1. 1877.

Another night of good sleep. Arose about 7 and read Mark Twain after a lunch-till breakfast at 10. Then wrote a little. About 11 1/2 land was dimly seen through the haze and we soon saw we were near Alexandria. The remarkable blueness of the water which I noticed last night was still more surprising today. The sea was of varying shades of blue from very light to dark ultramarine. We soon saw some low towers which we were told were windmill towers and then we saw the Khedive's Summer Palace and the breakwater & the Pharos & the city beyond. We passed around the breakwater and then by another into an inner basin which was well filled with vessels & steamers - the Khedives, the Lloyds, the P. & O. and others. On our left was the Palace of the Kh. built of light stone - very handsome itself with numerous & other plainer buildings back of it.

The Egyptians began to come aboard. Soon a boat rowed by men in red shirts. British flag. Cooks Boatmen on it. Cooks Dours on skirts of the men. Then another of these boats & another. Bare feet. Stalwart. Watched the natives with great interest. Landed between 2 gates that kept the natives at bay. Took our passports. Did not open our luggage. Omnibus & carriage. Rode in latter. Wonders of streets. Men. Women. Jew. Hotel D'Europe. Room 22 above. Stayed on balcony angled at the right below till guide brot the carriages - 3 with 4 in each. Hrg. avenues of Jananish to Pompey's Pillar. Then along Canal to Catacombs & along Canal to Gardens - filled with beautiful trees & plants. Then along Canal & across through walls to Cleopatra's Needle & one lying down. Hotel. With Dr. S. & Mr. Starr paid our respects to our Consul. Wrote letter home. Dinner at 6 1/2. Wrote & read.

Saw strings of camels & rider bounding carelessly. Breakwater over mile long. Gravel train seen also. The div. took Nile water to travel Egypt with him. Muddy. Great rain yesterday & now day or 2 ago! Small pond around a fountain opposite. Washing feet in it. Also bringing it to the hotel! Washing vegetables in the canal. Buffalo cows. Roasted gazelle.

Delta

FEBRUARY,

FRIDAY 2.

1877.

Arose at 6 $\frac{1}{2}$ & sketched a little before
breakfast at 8. Soon after we bid goodbye
to our pleasant friends Mr & Mrs. Forsyth
& went to the station & and they walked
Started at 9.40. Was with the Schaffs, Storr
and Mr. Cook. Arab men bidding forth & bread
of mud. Lake Marouty. Hero's sand hills -
swampy plain Ramleh Khedive's Palace.
Builds palace on palace = people ground to
perver. Poppies, yellow flowers (Chrysanthemums)
& other flowers. Marigolds. Mahmoudy Canal
full of cotton boats. Waterfowl swimming &
flying. On embankments for many miles thro'
the lake & salt swamps. Mud villages. Square
houses with 1 or more open raised domes on
top. Of stone or bricks of mud & cow dung.
Capped with dry cow dung. of mud.
Buffalo & common cows - donkeys, goats &
sheep. Fields with stalks of cotton, Durra?
Wheat, English beans, clover, lupines, vetches.
Mud village washed down by Nile. Level plains
Plough. English plough sails. Eg. American
Cotton at Gassa. Trees leafing out. Acacias?
Sheep - hanging ears. Variegated thistle with
purple flowers. Sakieh. Shaduf. & their
basket. Vast plain level as floor. Dykes
no fences. People in fields. describe -
Rosetta Nile. 12.45 & Ganta. Rich green
park-like country in freshness of spring
groups of trees and double lined along the
water courses. Damietta branch. Island
of desert on left. Mustard plots. Cows tethered.
Gardens & Palaces. Cairo 4 $\frac{1}{4}$. Crowds of Egyptians
Off in omnibuses among crowds to Shepherd's Hotel.
Room 32. To Cook's Office. Letter from Hartford!

Birds, Eng. Sparrows, Tit-larks, Thrushes - Lapwings? Large
black white & brown. Kingfisher small green. H. like ones
up to large lighter. Wild doves. Pigeons. Crow with grey
body. Hawks.

Egyptian dress seen - White night gown. Black
overcoat. Woolen shawl, large plaids, blue military
pants with white stripe. Fez & shoes.

Lebanon tree * 88

88

Horsey

Elephantiasis, Ophthalmia

Cairo.

FEBRUARY, SATURDAY 3. 1877.

Arose early, read & wrote. At 9 1/2 with Dr. Schaff, Starr, Hughes, Abbott & myself & Dr. Lansing we rode to the Am. Consul's office & to that of Chief of Police. He entertained us with pleasant conversation cigars & coffee. Was a Circassian ^{Yemen} slave, slave rises with his master & often succeeds him in office. Hamelukh = slaves by means ruled Egypt 400 yrs. Waited long time. Then called on Minister of Public Instruction. Doro - a German. Coffee. University. Drawing. Mechanical & Architectural. Reading in Arabic & in Turkish. Geometrical Demonstration (Pour Asimovene &c) Writing Reading English. There was once a little boy 300 pupils. Free Schools. Have to clothe & feed pupils. Cost great. Library 25000 volumes. Coped Korans of very large ones. One copied in 60 days. About as large as New Testament. Many boys of 10 or 12 know by heart. In Free Schools all learn to read from Koran. Mr. Spitzer Librarian. thinks secular education not way to advance Egypt - not best way. Scribes copying. All write on papyrus. Arabic University - 11000 pupils. Enns clippers. Open court where 1000 perhaps. Pillared room, some 3000. Sleep eat, study here. Mats. Supported by gifts of pears. Swinging beds every age. To escape conscription. Room for blind. Make teachers. 900 years old. Largest in Turkey & world. Raising. Policeman with us & a teacher. Dr. Lansing's experience years ago with a Syrian Visitor. "If Lord will they will be an entrance without an exit." After a time such disorder the Pres. advised him to leave. 12 Hour of prayer - Could not get into Mosque. In P.M. to Boulak Museum of Mariette Bey. Saw our Nile Steamer - Then to Palace of Eliezerle - the first of the Khedive's. Pleasant from Japan & other birds & animals. Summer ~~palace~~ in Moorish style. Main Palace Apartments of Prince of Wales. Words can't describe the sumptuousness & cost. Grounds - trees & shrubbery. Trotto. Khedive has 3 legal wives & 1500 300 concubines. Home. Write in evening.

Sugar cane for sale in Egypt everywhere. Khedive has 60 palaces. 300 free schools in Cairo - connected with the 300 pountains. Oriental University connected with Mosque El Azhar contains 11000 students as above.

Cairo

FEBRUARY,

SUNDAY 4.

1877.

One year ago this ^{morning} the dear life of my wife
flew away. A year of bereavement there
has been and the loneliness seems about as
great as at first. I do not yet get used to
this separation but God has helped me
wonderfully. He has "sustained" me.
S.S. in the Pres. Ch. we visited at 8 1/2, 100
or more in different rooms. Bright & attractive
varieties of dress and race! At 9 1/2 I went to
the Arabic Service Long, lofty room. High
arched windows & doorways. Roughly
plastered floor marble. D. the painted pine
rally & pulpit. Partition thro'
middle 4 ft. high. 4 light lamp
supports on it. Red curtain below
& along back of woman's side like
old fashioned choir curtain. Congregation
dropping in all through till nearly or quite 150.
10 or 12 Europeans perhaps. Many dressed so but
all Egyptians wear the fez in church & mosque.
Some white scarf round face, some turban simply.
Shawls - plaids of every size, striped, mixed, worn every
way but most drawn around shoulders or neck.
Some with ragged cloaks drawn over heads &
naked feet and legs. I came in late put off
slippers & gathered feet underneath. Mohammedans?
Dr. Andrew Watson preached from John 3:8.
It seemed like preaching at home only it
was Arabic. Listened attentively & with interest.
Last time was "Rock of Ages". Women were
generally in white or black robes. Every color
of hearers from negroes to white. Timbers of
floor above bare and painted. At 11, Dr.
Schaff preached for Dr. Watson to the
English Congregation - about 75 - on words
Follow me - a most admirable discourse
- truly feeding me. After breakfast at 12 1/2 I
spent an hour or two in my room -
Then took a walk up on the hills. Went to
the Citadel then out the gate to the left
Bab-el. Saw the Arabic cemetery & tombs
of the Caliphs. Climbed Gebel Moqattam to
the site of the Venus Transit Observatory in
1874. Magnificent view back around west
side of Citadel. I got very tired. Did not
intend to go so far but perhaps it was as prof-
itable a way to spend the time as there was.

Pyramid of Cheops

FEBRUARY,

MONDAY 5.

1877.

Road hedged with reeds.

Soon after 9 o'clock our party started for the Pyramids - 7 wives, many donkeys and camels load with green fodder under avenues of acacias all the way. 3 or 4 m. long built by Rhedim for Prince of Wales visit. Several miles away began to gather & run by carriages to sell little blue or brown Egyptian images, necklaces of some antique thing scarabs etc. - About 2 hours brought us there. About 100 around us as we walked up to bare left over coat & hat & put on cap. One seized each hand one or two pushed & another carried water. Soon passed one or two ahead & was first one up. View indescribable. Very clear air. Summer exhalation filled heavens & their shadows moved over green fields. Desert & valley, winding canals for irrigation, Nile, Cairo, other pyramids, sphinx. Such clamor & besetment every instant little enjoyment - yes about 1/2 a mile of quiet Arab ran from top to top of Cephrenes in minutes. Dressed to start down dizzy height. Found it easy. Needed no Arab either way. Lunch. Dr. Schaff & I went into pyramid. Down, up a steep long slippery passage. Steps cut in slippery limestone. Along to central room lighted with wedges of sun light. House shaped room, Sarcophagus. Air holes. So room below - dry well 100 ft deep. Then all of us to a deep, deep tomb from which sarcophagi & mummies taken. Basalt floor covered with hieroglyphics. Then Sphinx. Arab on side of cliff ready to climb to top. Evidently cut out of rock in situ. Temple of Sphinx. Granite blocks some 18 ft long (square) Alabaster floor. Blue granite figure "mummy" seen to carriages - besieged on either side before & behind by Arabs. About seven to a single person. Best way to go together. Just wary enough to find the rest & relief from Arabs. All the ride back a luxury. Air fragrant with flowers (mustard chiefly). Watering trees with skin bottles - trees 2 rods apart - hollow around trunk of each. Water streets with bottles also. Storks or cranes & ibises in fields. Camels, donkeys, sheep, goats. Buffalos & Arabs in green fields. Wonderful avenues of acacia. Back 4 1/2. Chorus in climbing pyramid. ~~Alabaster~~ Very good. ~~Alabaster~~ Some money pay well. El-Eli, Buckle up. Up, first. Buckle up. One experienced to each step. With their help able to pass all the others. "Up, up, up." Going to Sphinx bottled exceedingly. Let hold of arm & charge you for it. Show you something. Buckle up. Offer alabaster, fossils. Offered at each arm & several about. One man kept by me nearly half a mile patting my shoulder & teasing me. Would not leave till told him again & again give him. Young cries. Please Master. One frank. Thank you. Thank you. One frame & good bye. Not too much. About night. All satisfied. So away, all quiet. Serene. In Frank's me, 1/2 frame each. So away. Please Master. Uchicah man very good. Please Master. Children running along road, dirty & ragged yet with merry faces of children - pleading bechishish. Pretty if washed.

"There's a bit of karab in these oranges"
Cott meat one shilling. "L'Albert" all.

Waiter, 2/2, double 2/2 = 2/2.

Wrote diary & wrote home in evening and read -

Pyramid of Cephrenes & Mycerinus.
60 Pyramids in all.

Leave Cairo on the "Mehalah"

FEBRUARY,

TUESDAY 6.

1877.

Rose at 7 and read awhile. Then went out with Dr. Lanning, Dr. Schaff, & Mr. Starr and bought eyeglasses & scarf for hat while the rest purchased other things. Packed up my things and at 12 called at Dr. Lanning's and got a lot of newspapers for my plants. Read watched a juggler & waited till 2 o'clock when we took to our boat while was lying above Kass-el-Nile. Put my things in No. 12. After cabin. Starboard side. Watched preparations for leaving and talked with friends. At 3 promptly we were off. We passed the Island of Roda & the Kilometer. Pyramids of Gizah, Sakharah & Dashoor passed. Immense stone quarries on E. bank which were taken the limestone casings for the pyramids. Felwara sulphur springs & watering place. Rode from Cairo to Bedreslayn. Reached Bedreslayn at 5 1/2 and moored to sharp wooden posts which over time drove into the bank. My ~~boat~~ cabin was very small and I had difficulty to arrange my few things in it. Took a walk after we moored and collected quite a number of plants which I put to press in the evening. Supper at 6 1/2. After tending to my plants I retired only to be ready for the morning. The boat being small & the partitions thin I was kept awake sometimes. The bed was hard also.

Arabian girls are married at 11 or 12. Old maids at 16. Grandmothers often at 30. Great grandmothers at 50. If one of family dies wait go to church for a whole year - in our case mourning 3 years. Married men not seen the bride - only heard of her 6 days - inquiring her name - only knew her nickname. Conscription for life & no pay. Mourning as if dead for those taken into military service. Good deal of family affection. Above from Dr. Hogg of Obiont.

Breakfast 8.30 Lunch 12, Dinner 6, Tea 9.

Bedreshayn 15 (W)

FEBRUARY, WEDNESDAY 7. 1877.

Was awake long before 6 when we were called. Concluding of an Arab sleeping on a vessel near. At 7 we were mounted on donkeys & scuttled away to Mitrahennu. My donkey was a large one but contrary and finally turned off the crumbling edge of the bank in spite of all I could do & threw me off or rather I jumped as he fell. They gave me another. At Mitrahennu the site of ancient Memphis we saw the two prostrate red granite columns of Rameses II. We then drove past the pyramids of Sakkarah left our donkeys at Marietta Bey's house & visited the Serapeum the overlying place of the sacred bulls.

23 Sakkarah at Sakkarah
 Extension walls cut in rock & masonry with alternating opening chambers in which were the sarcophagi. masonry of blue granite with immensely heavy lids. Went into a polished one 5 1/2 feet deep sides 1 ft thick. On outside hieroglyphics. Inside burnt Roman candles in their very warm tomb of Nile. Walls covered with pictures more or less painted - red & blue - arts & occupations - Nile, fish, crocodiles, hippopotamus, cattle coming out of it. Boat above - men catching fish & shearing the animals. Wonderful - Wonderful. Got back at 11. So sore I walked the four miles or two & collected plants. My donkey was a hard rider. He fell in the sand & threw me over his head. Was not hurt either time. Lost were thrown from 1 to 4 or 5 times. Studied my plants in the P.M. - wrote, drew read.



about 4 1/2 we passed the false pyramid
False Pyramid, Sakkarah

We steamed along till 8 or 9 o'clock and I did little in the evening but read & draw. It was very clear & we had a good view of the Zodiacal lights.

Mineh 156. (W.)

FEBRUARY, THURSDAY 8. 1877.

Slept better last night than the previous. Still the noise on board kept me awake till 11 and I could not sleep after 4. We started soon after.

My back was quite lame all day from yesterday's riding. It was cloudy and chilly till noon. I read most of the time till the P.M. and finished "Leah's Pleasure Trip". Read and wrote largely thro' the rest of the day. The scenery was most interesting. The same wall of mountains on the E. sometimes drawing near as at the Coptic Convent, the same even banks of soil bounding the river & the level plain stretching away from the W. with occasionally green cultivated fields as the E. had villas continually & occasionally a place of greater importance with the tall chimneys of sugar factories somewhere in sight all the P.M. Flocks of storks stood in the shoals ducks swam on the water & nuttins soared overhead. Palm groves continued. At 5 1/2 we reached Mineh 156 miles from Cairo. Here we remained several hours. Mohammed took us thro' the chief street of Bazaars and about the Sugar Factory one of the largest in the world. Cane carried on a large moving platform into the mill & betwixt rollers which in one place squeeze all the juice out. Refuse carried in a similar way into house where dried & boiled juice runs into another building where boiled down & strained & finished.

Spiritually my birthday.

(E) Beni Hassan¹⁷¹ to Mausaloob. 223 ^{1/2} (W)

FEBRUARY, FRIDAY 9. 1877.

late in the last evening we started and about the middle of the night reached Beni Hassan. We were called at 6 ^{1/2} and at 7 ^{1/2} took donkeys. I dreaded the ride because still sore & lame. But my donkey was easy and we did not hurry so that I enjoyed the ride. Crossing the plain on the E we drove up a broad wady to Ipeos Artemidos. Here there was little to see but some chambers in the rock much out of repair - evidently once very fine. We then rode to the plain & under the bank with the mountain side on our right as we rode N covered with boulders left by decomposition of the rocks. Along base of the precipice series of tombs with 1-6 rock hewn pits hewn down from the floor of each. One 50 ft deep. Most partly filled. No more tombs with fine sculptures and Amen Amen Amen also. See Cook. Two latter had Doric columns. Crowds of men gathered on beach at base of steep bank shouting "hehehehe" along. Occasionally the Sheikh or some of his men chase away. Some practically naked. After jump & tumble down steep bank. As we left perfect babel. Hard mud rained down upon them from our side coffers from other. Drove till noon. Extensive palm grove on E. In the P.M. an hour or two along the perpendicular & lofty cliffs of Jebel Aboo Sayda finest scenery yet seen. Tomb of Sheikh Hassan. See Thursday. Crocodiles once where strips of beach. Gryllon Vulture soaring overhead. Kestrels & other hawks & doves had nests along the precipice. Altamarias once before here. Mausaloob our stopping place plus after sunset.

Shadoof - mud ball on end of sweep. Loose pin for pivot. Laid to cross the beam by rope to cross stick supported by single bars of palm or crossed poles set in ground. Pole set to ~~shadoof~~ sweep. Crocodile to other end. Ratchet of three. 3 shadoofs to take water to channel. See 3 pair.

FEBRUARY, SATURDAY 10.

1877.

Started at 6. Mansaloot at W. of a great horse shed and got 10 1/2 we reached Assiout at W. of another horse shed. Village a mile from shore. Schaff & I took walk before dinner. After we galloped away to Assiout & through its market-bazars - then to Lycopolis - best towns where monuments - of wolf especially found - gallery above gallery in hill facing N. many hieroglyphics & sculptures. Climbed to top. Fine view in Egypt according to Mohammed. Broad equal to Giza & Cairo. Nile - Desert of Arabia, Syria & Darfour. Camping place of caravans for latter. Arabic Cemetery. white & ornamental - tombs of Sheikh. Assiout as Stanley says & other mud villages like footpaths upon a beautiful carpet. Vast lake or sea of green - few white buildings. One like a palace - terminus of R.R. Described Everywhere bits of gymnastics & wrappings of man - wolf & Hero - market where hundreds of camels, donkeys, cattle, sheep & goats. Called on Dr. Kagg. Saw only himself & female teacher sick with inflammation of lungs. School rooms - neat & cool - boards lined on walls for light Zoological charts & maps. Bags in a rack with books - study, piazza & roof. Kitchen there. Oven of mud - marble floor - fire under of beehive stoves. Flat loaves bake in 20 min - not raised - sweet. 9 girls sing - clean, shoes or slippers - work with white cloth over heads - one with shawl one w. black shawl hair - diff. shades generally dark - white beautiful teeth, black merry eyes - "joyfully, joyfully" Scotland's burning. Sang countries of Europe & their capitals & the seas. Rode home - thro' streets of prostitutes & bazaars - Wonderful the learning life & the merchandise of every variety. Street covered for long ways - rafter - reeds & mud - "Bible Depot" - footling people. Grindstone set on two bars resting on ground & a stone turn with foot - not treadle. Scotchman in A.M. fighting with donkey men. Only way get on one quick. Major my donkey named Fankie Doodle. You come with me, I show the town. Dress of man who brot coal on the vessel - several with large meal bags opened at bottom to admit head & arms. Stripes fore & aft. By no heads. Others thin brown coarse dress thro' which often see figure. Mail came tonight. Nothing for me. Dr Kagg & Mr. Alexander called in evening.

Water bottles on our Steamer instead of pitchers. Filtering Water. These bottles are made especially at Kenah. Women at Assiout never seen the Nile though not more than a mile away -

Erigh.

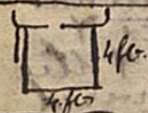
FEBRUARY, SUNDAY 11. 1877.

Bright & cloudless as everyday.
Mr. Johnstone preached at 10 1/2 in
the aft space. ext Jesus Christ the
same yesterday today & forever. We
stopped for 2 hours at Erigh in the
P.M. & Mr. Bedell and I walked on
the shore. Read much in my Bible
today & looked over sermons & spent
the day pretty satisfactorily.
Passed near wonderful cliff - febel est
Sheikh Harredch.

Islam = resignation. Hours of prayer
5 1/2 A.M. 12 M. 4, sunset & 7 1/2 P.M. (5 min
after sunrise, noon & sunset last worship
sun - Cry of the muezzin - "There is no
deity but God (several times) Come
to prayer. It is better to pray than to
sleep." Portions of Koran to ab pleasure.
Laillahi il Allah = No deity but God.
Ala mahlak = Gently. Bakshish.

Five things God knows we don't.
On last day. Amount of rain coming season.
When a woman has conceived. Our earnings
tomorrow, time of death.

Use feet. Scouring decks. Scouring a copper
pan. Scouring grindstone.



Sleeping places of mud to keep
them from scorpions.

Juski = get away. New World = Yankee
wooden (Yankee Doodle?)

Water girls when meet you say
"Good morning how are you today Sir?
My name Fatima" or Miriam -
Young have one of them addressed me.
Bakshish. Howadi. Het-ther khayra. No
father, no mother, little girl all alone
no bread in house. Please give piaster
Sir." If you say La La, smolli (No No
get away) will reply "All right Good
morning" in a reproachful way that is
asking & if that does not do they will
call Bakshish & still hang around
begging.

Herak

FEBRUARY, MONDAY 12.

1877.

Rose soon after 6. Read & walked till breakfast at 8 1/2. Passed a dalia beiah with the Am. flag flying. About the middle of the A. M. we visited the Sheikh Selim who has been 45 yrs in a place 4 yds. sq. We found the (daly man?) sitting on a skin with his feet drawn up near a fire while a low wall of coriutalls protected him on two or 3 sides. On but a bit of cloak over his shoulder. His hair was like the wool of a sheep & his beard also. It is said he has not washed for all this time. Collected & studied a large number of plants. At 3 1/2 we reached Herak. Took donkeys to the village and saw a pottery & the bazaar. In the evening I wrote Mary a letter for her birthday & mailed it. Enclosed some drawings for her. We saw many down trees today.

Ship's Passengers

| | |
|-----------------------------------|---------------------------|
| P. Schaff, D. D. (Am.) | John Watson, Scotland. |
| Mrs. " Am. | Sir Francis Stapleton, E. |
| Egbert Starr Am. | Mr. Ketterington E. |
| Mrs. " Am. | Mr. " " |
| Mr. Williamson (Kentucky) Am. | Mr. Greenfell " |
| Mrs. Seabury N.Y. | Mrs. " " |
| Miss " N.Y. | Capt. Lyon Fremantle " |
| David Hewes Ca. | Capt. J. A. Metcalf " |
| G. S. Abbott, Watertown Ms. | Sotterby " |
| W. P. Alcott. | Mr. A. G. Foot " |
| Rev. Jas. Bedell, Manchester E. | W. B. Scott " |
| Sir Jas. W. Eopley, Eng. | Mr. Alexander Manager. |
| Gray " Servant | Mohammed Dragoman |
| Rev. Gilbert Johnstone, Scotland, | Dr. |
| Nam. " " | |

Esneh & (Denderah)-Luxor, E.

FEBRUARY, TUESDAY 13. 1877.

We were called at 6 & soon after
7 crossed the river in a sail boat
& rowboat & took donkeys to the
wonderful ruins of Denderah.
Saw the Zodiac & spent some two
hours among the remains. The
steamer crossed & picked us up
on our return - and went on till
6 o'clock when we reached Luxor, where
flags of 7 or 8 nations were flying on as many
Consular Agencies as well as on the boats.
We passed two of these with the Am. flag
flying prominently before reaching a where
also the most prominent flag was our
own. The white buildings of the Consuls, the
great mud houses, yet the river and
the palms, tamarisks & acacias in the
suburb with the vast fertile plain &
the mountains of a more broken &
conical character S. E. instead of E.
made L. seem very pleasant. Also the
unusually well dressed people.

At 8 1/2 on invitation we all visited
the British Consul where he & his son
received us & treated us to coffee after
which the girls danced for a long time
varying it with singing. Heard our
ladies with draw & they had Egyptian
dancing - like the Arab only it was
with a stick & they were this a silly
performance with a carpet & coffee
cup. The dances were a disgusting but
wonderful exhibition of power over the
muscles. At supper tonight Mohammed
announced, "I beg your pardon ladies &
gentlemen, tomorrow morning ding dong at 6
o'clock, breakfast at 6 half past 6 and at 7 we
get in the boat & cross two rivers &c."

American. "See here, whereabouts on the
Nile is Damascus? Damascus is not on the Nile
but in Syria." "Oh yes I was thinking of the
Damascus." Hearing it remarked at Heliopolis
that there was doubtless a temple near here
& Joseph's father was a priest therein, he "didn't
know that the husband of Mary Magdalene
was a priest."

One forenoon he saw "the piece of ground
that Judas sold for 30 pieces of silver."

Luxor - Thebes

Tombs of Sheikh abd el Koorneh.

FEBRUARY, WEDNESDAY 14. 1877.

As Mohammed announced we left at 7 in boats to W. shore of Nile. Rode on a miserable donkey about a mile to a shallow arm of Nile which we crossed in another boat. We had to be carried by Arabs three times over the water. Had a very fair donkey when I landed this time. My boy's name was Mohammed. Visited

Temple of Old Thebes dedicated to Amun (Theban Jupiter) by Setti I. & completed by Ramesses II. Serapis - also called Har

er or Anubis. Thence we rode up a road between bare & lofty cliffs & mountains, rattling among the flint stones to the tombs of the Kings - I, VI, IX, XI, & 17. - Tombs respectively of Ramesses II, IX, VI, II, (Harper's Tomb) & Setti I (Belzoni's).

There were all very interesting & wonderful. We had a good dinner provided for us by 3 of our waiters in the entrance to Tomb 18.

Mohammed & others kept off the Arabs while we ate & rested. We had a fight among the waters & many a breeze driving off the evergrowing crowds. Flew up 5 or 10 minutes to the Mt. Ridge where we had a part view - Abd-el-Koorneh the name of this summit to

Dayr el Balice (the Northern Convent) Thence we went to the Memnonium or

Ramesseum where is the immense granite statue of Ramesses II. which weighed about 887 tons & was 21 ft. & across the shoulders.

With Mr. Abbott & Mr. Hawes I stayed here after the rest left studying these wonderful

sculptures. Then we went to the Great Temple of Medinet Haboo - after half or 3/4 of an hour here we drove to the Colossi and thence home whether we arrived soon after 5 o'clock. Read & talked in the evening.

We were invited to the Am. Consuls tonight to a Fantasia or such an entertainment as last evening.

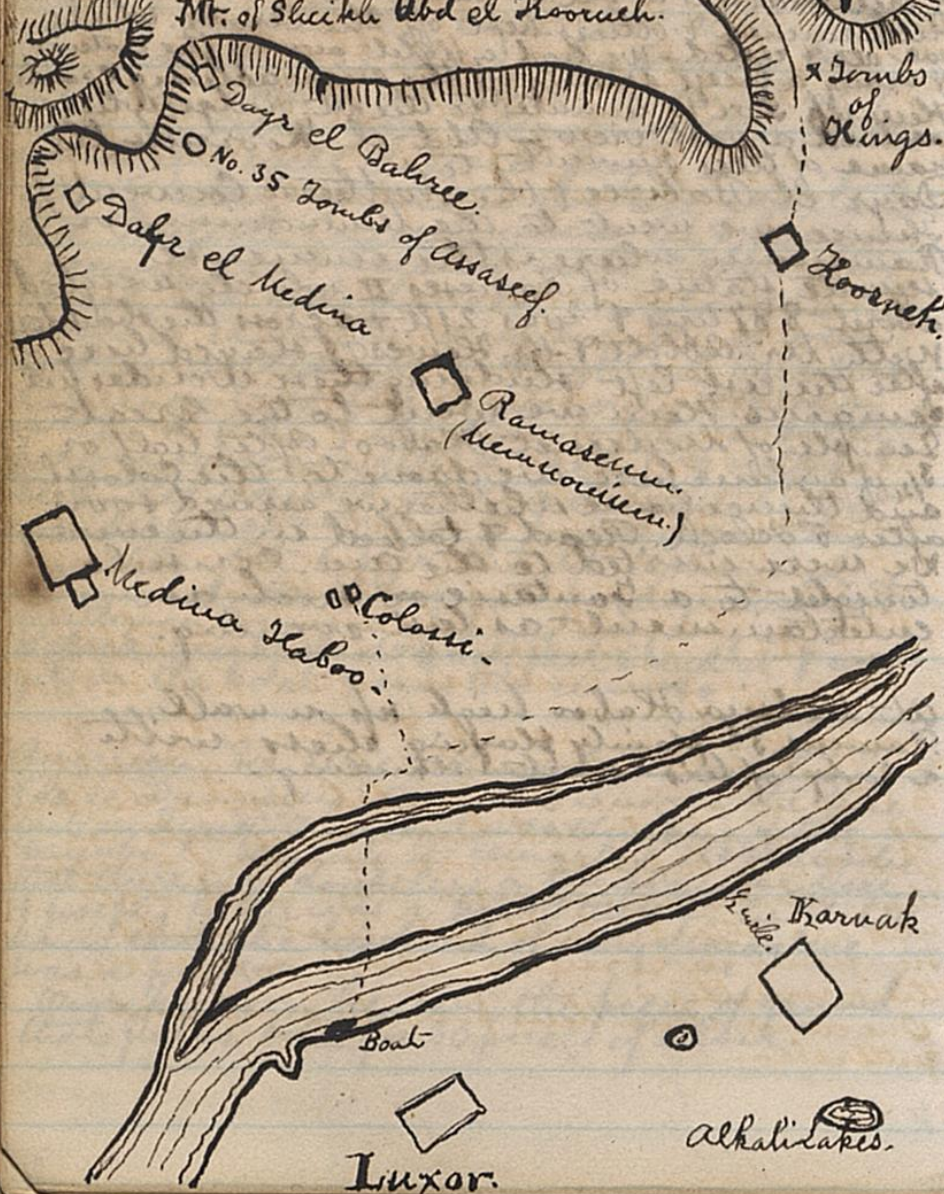
At Medinet Haboo high up on wall, Ramesses III. plainly playing chess with a lady of his court standing -

Luxor (E)

FEBRUARY, THURSDAY 15. 1877.

We got off at 8 this morning & crossed as yesterday and passed the Colossi to Tomb No. 35 - a private tomb, rich in illustrations of industrial & household affairs. Then we visited the temple of Dayr el-Medinet erected by Ptolemy Philopator. Thence to the small temple of Medinet Haboo. and to the great temple of Medinet Haboo. We took our dinner here and spent sometime studying the figures. Thence home via the Colossi. We arrived at the Sphinx at 2 1/4 after resting & studying. Took a walk to collect plants and to direct them after dinner. Mr. Alexander got off some rocks. Wrote & talked in the evening -

Mt. of Sheikh Abd el Koonch.



Luxor - Karnak.

FEBRUARY,

FRIDAY 16.

1877.

Rose soon after 6 and read Murray. At 8 we started for the wonderful ruins of Karnak where we spent a short A.M. See Murray &c. Was much interested in the sculpture on the N.W. side of the Egyptian army crossing the Nile and in Thutmose & his captives on the S.W. wall outside - among which the 29th represented Ahobonay King of Israel. On the way home the breech strap of my donkey broke & I fell. Wrote read & talked the rest of the day. Put at 4 a number of us went out with disgonimmed & examined the Temple of Luxor. Saw nothing specially interesting but the obelisk & the proximity of its faces. Mr. Boddell &c took a walk thro' the fields. I got home a leaf of the date palm & the date palm - and some other plants. In the evening we had rockets as last evening & also a "Catherine Wheel." In the Hall of Columns we saw today there were originally 122 small columns & 12 large ones.

Bakshish. Turn somersets & jump about in great numbers of children of all ages. Many tied in corner of dress. Blind. This in eyes. Some girls pretty & washed up. Top Arabian girdle. Rings in nose, top of ears as well as in bottom. Bakshish, Bakshish, Howadji. Clapping in time with first two words. Our the cry is Chack Tell Bakshish, Howadji.

Arabian Boys at Pleilae as we left in dirty white night gown & skull caps crying & clapping. Chack Tell - Bakshish. Howadji. then Hip, Hip, Hurray - in time with clapping. Silver rings in each ear - often girls at least one in each of nose.

~~When~~ jump in naked & swim & dive & cry Bakshish. Hit with whip cry & call Bakshish. When we landed native children off jump about and turn somersets in tree & cry Bakshish more as a bird sings than otherwise. Younger boys lead older who are blind & hold out their hands. In many in corner of shirt or put it in their mouths.

One carries them their power to pronounce guttural.

FEBRUARY, SATURDAY 17. 1877.

The "Mehalah" sailed at 5 $\frac{1}{2}$. I rose shortly before and wrote and read through the morning most of the till 11 when we reached Esneh. We visited the Bazaars & the ruins of the Temple and some of us went to the Palace of Mahomet Ali. Our lunch was at 1 o'clock and we started while eating. Studied plants & wrote in the evening P. M. and evening. At about 8 $\frac{1}{4}$ the A. M. we met the Steamer from Assouan. We fastened together at the shore and talked with the other passengers. Mr. Alexander our Manager left us. The other steamer had a Crocodile 10 ft. 3 inches long, stuffed. About the middle of the A. M. we passed a dahabiah flying the Am. flag. Some of us giving our hats & waved our handkerchiefs to our flag. A gentleman called out. "Is there war with Turkey?" "Not yet," I replied. At 6 $\frac{1}{2}$ we moored at Edfou. Mohammed al dinner announced the programme for visiting the ruins tomorrow forenoon. Some of us drew up and signed a petition to visit the ruins on our return. All were ready to sign it - or nearly all. But Mohammed & the others said that the trip was all arranged beforehand and that they had no liberty to change it.

First View of Assouan. Broad sand beach $\frac{1}{4}$ m. long. Road in front leading back to mud village with one white house in view. Back of beach field of barley & lupines on left garden on right & behind a grove of date palms hiding most of village & dahabiehs moored & on the beach for repairs. Carpenters working at them below drawing a saw in a frame one man alone & one or wool in dark brown cloth - sent. Other boxes bales & crates. Camels slowly removing. Groups of natives some sitting on sand in half circles. Plegged camels snarling - some kneeling some slowly carrying away boxes or bales one on each side. Merchants with goods for sale. Donkeys some saddled some wandering free. Shouting of people & men & boys. Black men & white men some in black - white blue. Behind narrow channel black basaltic piles in it. Fibers reaching away to S. like lake between basaltic bluffs & piles & lofty ancient piers - Behind alluvial bank, 5 dahabiehs with British flag. 1 American. Palms back there & above which yellow sand hills visible. N. sand flats & ridge of hills.

FEBRUARY,

SUNDAY 18.

1877.

This morning there was quite a breeze about our not visiting the Temple today. It was finally arranged that those who wished should visit the ruins this A.M. and the others should if possible have two hours for the purpose on the way down. I remained at the Steamboat - the Staffs, Harris, Messrs. Flew, Abbott, Bedell, W. Johnston & myself. 18 went to the Dr. & Mediamand. All of us but Mr. J. who was not well gathered at the head of the upper deck which was covered on the top & sides with canvass & there we read the Bible, sang & prayed for an hour or two. Read & prepared for the P.M. service which was from 4 to 5 & which was conducted, preaching in the "written rock." The people - passengers most of whom were present - seemed interested & expressed themselves as very grateful. Just as I finished we reached Kom Omboon and most of the party went up on the hill to see the ruins. Mr. Bedell and I walked on the sandy shore. New flowers filled the air with fragrance. I picked up a living locust. Saw caterpillars feeding on the leaves. The sand was strewn with the dead bodies of beetles - most of them without their heads & probably killed by ligands. After stopping nearly an hour we went on a few miles & pitched camp on the shore. Early in the P.M. we passed Jebel Silsileh where there are immense quarries from which the stones were taken from (Silsileh) which were used so much in the temples. There are some porticoes and other ruins of ancient architecture. In the evening I wrote & read retiring quite early.

Jane would be 38 if living today.

Our pilot & helmsman fine-looking -

Tall - long shoes, white woolen stockings, long dark brown nergals with hood at the back. drawn over head when cool. Red or striped turban. Grouched faces, black beards. Pharaonic features.

Chorus of Boatmen - One chants a few syllables - the join in a refrain.

One sounds like "Tloom - seel - haume - Rowing 2 or 3 pulls to a sweep.

Sounds by night - Sahieh drawing all night. Mird & constant cry of oars all night.

FEBRUARY, MONDAY 19.

YRAU 1877.

We started at 5½ and at 9 reached Assouan. The vessel struck on a bar and it was nearly 10 before we reached the shore. I rose at 6.

There was a narrow strip of vegetation on either side. After a while the sandstone changed to granite and the hills became more rugged & picturesque. The scene at the landing was very wild & striking and while we were getting up I noted a description -

We all went out at 10 thro' the Bazaars which were neat and more interesting than usual. Multitudes of curiosities were for sale from the Soudan & the Interior. Ostrich shells, skins of ocelots. Horns of ibexes, gazelles, deer & all such creatures, lances, spears, shields, daggers, hats & waist-fringes from Soudan - ostrich plumes, monkeys, ivory, bows & arrows, silver rings, richer baskets. Nubian capes, costumes & their articles of toilet.

After breakfast at 12 Mr. Bedell & I took a stroll to the top of the neighboring hill - south. All was desert and rock & E. of the Nile except two spots near the river. All about the marks of the wedges by which the red granite was split out for the temples remained upon the rocks. At 4 we went across to Elephantine & saw the Kilometer, the remains of an ancient temple and a statue of Horus. Came home to read and write, after dinner we had quite an unfortunate breeze, about stopping at Edfoe in which luckily I did not get mixed up. Some of the people apparently are quite sore about our not visiting the temple Sunday and wish to punish us by not permitting us to stop there going down - We saw a constellation late in the evening which may be the Southern Cross.

Good bye to Assouan. Embowered in palm trees & white minarets rising above and 2 white towers - for windmills perhaps (among her deserts & her granite hills nothing). Retreating crowd of camels, donkeys & Nubians bright with bits of white, red, blue of their garments & saddle-cloths retreating across the sand-flats towards A.

Sakieh at Assouan with jars on long ~~thin~~ belts of wood & rope. Boats all right Below A. sometimes - often - for stretchers at regular intervals of about every 20 rods. Sandal - native sail boat.

Wedges for splitting out blocks of granite & process

Philae, 24^o - Off

FEBRUARY, TUESDAY 20. 1877.

Mr. Abbott called me at 3 to see some stars which might be the Cross. Either last night or this morning we must have seen this constellation. We were called at 6 and took a short ride on a camel before lunch. We started off on our donkeys at 7. First visited the granite quarry and saw the obelisk lying there & the marks for the wedges everywhere. Hence along broad sandy, waddy to Philae. The granite boulders were piled into cliffs & mountains & all was as rough & wild as Sinai could be. Doves, larks & sparrows in flocks. Hieroglyphics on some of the boulders. It was a little amazing to see a R. R. at Philae - from Assuan. We walked up to the Boat on which Mr. Williamson & Mr. Bidell go to the 2nd Cataract. It is very roomy & pleasant. Crossed to Cairo. Philae visited the temple of Isis. Saw the copy of the Rosetta Inscription. The Zen Column Hall - the chamber of Osiris in which his resurrection is represented and the view from 2 pylons from both it was exceedingly fine. Took our dinner in the beautiful temple called Ptolemaeus Red Chamber. Sailed down to the landing & then to the top of the Cataract. Saw many float down the first rapids on logs. It was very hot coming back. Rode down to Assuan on our donkeys. Passed thro' the Gouki & about a mile below Assuan to where our steamer had dropped & was waiting. At 4 we started & ran down till 7. We had one Frenchman & 3 ladies in place of the two who left - passengers. Watched the granite pass into the sandstone. The warmest day we have had. Scott & I took a swim at Philae. Collected some shells & plants today. Saw many desert chaffinches on my ride this P. M. Had a very fair donkey but the strap broke once and I landed on my feet. Wrote some in the evening but was very tired - It was so cloudy I could not see the Southern Cross.

We fastened to a bank below Horn Camboe for the night.

Edfu (W) - Luxor (E.)

FEBRUARY, WEDNESDAY 21. 1877.

From about 8 $\frac{1}{2}$ till 12 $\frac{1}{2}$ we were stuck on a sand-bar or vainly trying to get over it. Reached Edfu early in the P.M. where they gave us an hour to visit the wonderful temple here. Climbed to the top of the pylon & had a fine view. This was the most perfect & clean of all the temples we saw & the only one where we were not pestered at all by Arabs. Leaving Edfu we ran on to Luxor which we reached at 9, passing Esneh just before sunset where flags & decorations were arranged for the reception of M. Lersseps & Mariette Bey. They were however at Luxor which was decorated in honor of them & where we spent the night. Here I got my second letter from home to my great joy. Spent the evening over it & newspapers.

Bellicanle W.

FEBRUARY, THURSDAY 22. 1877.

We left Luxor early and in two or three hours reached Keneh where we remained more than an hour to coal. Looked around the village. Saw the well stories of Scepture. Two maidens were grinding. Dawa Corny Sketched a little and after we started finished a letter to my grandparents & wrote one to Ming. We managed at night to get thro' the shoals up to Bellicanle

FEBRUARY,

FRIDAY 23.

1877.

Off at 7 for Abydos. Had a fair donkey and a Coft-boy named Obe. Well dressed & intelligent. Abbott's boy was Abdullah and Dr. Schaff's, Hassan. Another was Salehman. Except these there are common names - bright & cool. The boys taught us to say "marah" said "good morning" to the fellow we met. They inquired English names of objects & told us the "Arabic". They sang, & set us racing & we were all lively enough. Met many natives - some driving the black goats & sheep & their young, the donkeys, buffalos & camels afield. We saw a horse! Some natives were watching the fields on mounds of earth supplemented perhaps by a mass of earth held in by a spiral rope of straw wound round. They had things made entirely of hemp yarn. Reached Abydos, 1000 after 8 1/2. Explored the temple of Sether I. & Osiris II. Saw the tablet of the 76 kings &c. Visited the ruins of the temple adorned with oriental alabaster & the necropolis of Abydos. Collected a few plants on the way back. Bought an Arabic distaff from a man who was using it - for 2 piasters. We reached the Steamer about 12 1/2 - somewhat sore and stiff from our 12 miles ride on our last excursion. Got a spathe of Haminate palm flowers - We started about 1. Paid Firgele and soon after 4 we reached Soohag where we stopped to cool. Mariette Bey's Steamer was there and his assistant came aboard. He is rich himself so that we did not see him. About 6 we started again but soon got among the shoals and latched to the bank.

FEBRUARY, SATURDAY 24.

1877.

We started early and came on to Assiout which we reached before noon. Here we remained the rest of the day waiting for the mail which came in the evening towards 9 o'clock. The boat of our line from Cairo was here & we went on board and saw one passenger who was with us on the *Hungaria*. About the middle of the P.M. Dr. S. and I rode to the mission & made a call. We found Mr. Hewes & Mr. Abbott there. Misses Lockhart and I came back with us and called on the ladies. Misses Hewes, Abbott and the two Wetheringtons left us here to go by R.R. to Cairo. Sent letters to Grandpa & Mima but received nothing by mail. Mr. Cook wrote to Dr. S. for our Singing party to come on by R.R. But as the boat was to leave at 4 we should have to pack and go to the Hotel and have a tedious Sabbath. I felt about sick with a cold also & decided for myself I would not go. The others also decided in a similar way. Dr. Hogg took dinner with us.

The missionaries here adopt the Arabia custom & make sunset 12 o'clock. They told us many ladies in Assiout had never seen the Nile tho' but a mile away. A woman of position must not go out.

Between the landing and Assiout there are a number of nice buildings. Government School, Governor's House - R.R. Station, P.O. and "The Only Hotel" in French, Italian and English - with the addition "Plants for sale". The grounds in this section are pleasant & some avenues of libyanis, sycamores & oranges are fine. The courts & governors' councils are held at the gate thro' which we passed. We saw the Governor. Harriette Bey's boat has been passing & repassing us all along up & down the river. Saw the last house ~~before a little~~

Sebel Abou Fayda (E) Beni Harsan (E) Minili (N)

FEBRUARY, SUNDAY 25. 1877.

We steamed from 4 this a. m. till nearly
midnight. Rose early & saw the
wonderful cliffs of Jebel Abou Gayda
with vultures, kestrels, and other birds
nesting on their heights.

Early in the A.M. we took a dahabeah in tow for Cairo. We passed Beni Hassan between 12 & 1, and between 2 & 3 Minich & the sugar factory. Saw a fox or jackal running along the shore just after ourselves. See disappeared in the grass. The first part of the evening was balmy & delicious after the hot day. Her mode was nearly full & our last evening at the Nile was one of the most delightful. Owing to some misunderstanding there was no service at 11 but at 3. Sir Joseph Copley read the Eng. Church liturgy and Dr. S. preached on the Lord's Prayer. Studied the Egypt in the Bible considerably & had quite a pleasant and profitable day.

Saw the last dove palms a little below Beni Hassan -

Cairo, again -

FEBRUARY, MONDAY 26. 1877.

Did not sleep well - for the boat ran
till nearly midnight and then for
an hour there was unusual noise
in getting moved. We started off between
4 & 5. Rode at 6. Packed this A.M. and
prepared to leave. Soon after lunch we
passed Badrasheyn having seen
the false pyramid and those of
Dagshur. We saw those of Sakharah
abreast soon after and went by
Helwan and the Quarries and at
3 reached our landing place. Rode
to Speckhardt's Hotel. Being very full
Mr. Watson & I were given No. 8. Together
we went out to see our tents & preparations
for the desert trip. Read & wrote the rest
of the day. Had a letter from home

Rose early and wrote and did errands thro' the A. M. In the P. M. with the Schaff & Starrs and Mr. Lewis we saw the "Howling Dervishes" - worship. Then we went to the Citadel and Mosque and Palace of Mahomet Ali - drove through Old Cairo and so home. In the evening with Mr. Cook to arrange for my trip through Palestine. Paid him \$13. + to pay hotel bills & make me a personally conducted traveller to Trieste. Got Mrs. Schaff to fix a white scarf on my hat tonight.

Visit to Howling Dervishes. In an old Mosque. Through passages with heavy old doors & windows on the sides & an underground feeling to a hall in which square floor covered with matting & raised floor in recesses at end & half way down two sides - separated by railings on former of which we stood. Perhaps 20 men in semicircle backs to us leader in centre. Most long flowing hair & beards. Some barefoot - stockings - shoes. Ordinary dress but some with long robe & broad belt about waist. Swinging low bows in unison, throwing the head. Some Oh, up E - or aspiration. Down Ough, up. Ah - Faster & faster. Hands halting stiffly forward (usually so fast) (fast) (fast) Hold of hands in circle. "Heil - heil - la - la" with a step. Arms on shoulders in 2 circles - (outer & within - revolving different ways, faster) Then bowing again the fading as grows more rapid in forcible aspirated h.

Cairo

- Heliopolis -

FEBRUARY, WEDNESDAY 28.

1877.

Arose early and wrote till the middle of the A.M. finishing and mailing an article for the Boston Monitor. Took a walk in the Mouki and adjoining streets with Mr. & Mrs. Forsyth. Changed my room from 8 to 120 leaving Mr. Watson alone. In the P.M. with the Schiffs & Starrs I rode to Heliopolis. Saw the Obelisk and remains of the ancient city - also the Sycamore of the Virgin. Reached Shephard's at 5 1/2. Washed and rested and enjoyed the sunset from my window - the orb of day going down amid burning clouds behind my garden of palms - leaving the crows to roost in the tops of some of the loftiest and saw themselves to sleep. In the evening I attended the meeting for organizing an Egyptian branch of the Evangelical Alliance. The meeting lasted from 8-11 - too long. I suffered exceedingly from sleepiness but being in a front seat I could not go out or lean my head. Heard Dr. Waddington and saw Mr. Kay the Am. Consul.

The road to Heliopolis was broad & shady between green fields, orange groves & gardens belonging to the palaces of Pashas. The P.M. was cloudy and delightful. So end the winter months.

On our way to H. we visited Miss Whately's School and called on her. 150 girls 250 boys are here taught.

Cairo -

MARCH,

THURSDAY 1.

1877.

Slept soundly. Fresh morning. Wrote till 9. Then visited Dr. Lausung's School till nearly noon. Miss Johnson and Miss Thompson are doing a good work. Wrote after lunch till 3. Took a donkey ride through the Arab, Coptic & Tunis Bazaars. Studied & rested. After dinner Mrs. Lausung & Miss Thompson called. Wrote & retired early -

Boys in school all wear the fez in the room. These children have great memories & a gift for languages. Most understand one or two more besides their own. Girls "yes" old, reading English & French & even Italian -

Suez. My donkey. Fichiborne, Dr. Kneally.
Lord Shaftesbury, Duke of Newcastle.
O-a, Cry as drive you thro' the str.

Arabic Words.

Stamale to Camel to stop.

Koialh gazatchian. Water for thirsty ones.

Hadjar? = Stone -

MARCH,

FRIDAY 2.

1877.

Rose at 7 and got my luggage ready. At 9 we bade farewell to the Torryths, Sir Joseph Copley & other friends and rode to the Station. Mr. Baratoni took charge of the party to Ismailia. The Schaffs, Stores, & Mr. Henderson a Scotch Minister of Parli^{ment} & Mr. Gilman a Cong. Minister from America were in our compartment. We dined at Zagazig and soon after reached the desert. Followed the Sweetwater Canal to Ismailia & indeed to Suez. Reached it at 5. Our friends were hurried off and we had a hasty parting. There was great confusion. For some moments we found no one we could understand. An ugly crowd of Arabs pulled on our baggage, hooted & jeered. But we came across Mr. Alexander & then found our Railway carriage. The route to Suez was through the desert. Saw a bit of Lake Timsah then the beginnings of orchards & gardens by irrigation. The rain threatening clouds were red in the west with a gorgeous sunset. But we sped on toward the clouds, darkness & desert. It was dark before we saw the bitter lakes. We reached Suez at 8 1/2. Joseph met us. The clouds which had been so dark in the E. had given rain here. Hoyle and Joseph had just arrived - 90 mi in ~~the~~ 3 days from Cairo. The waiter had to keep a fire all night to prevent hyenas from taking the chickens.

Dr. Schaff & I took room 19.

Mr. Cook was with us to Ismailia

Cultivated crops seen in the Delta today.

Flax in bloom. Grass. White Clover. Grain - Wheat & Barley. Beans, Lentils. Lentils? Cotton - old stalks. Onions. Wild. Pimpernel. Variegated leaves of thistle in fl. Trees: Sebahi, Saut. Jamarisk, Palms - Willows. Spina Christi.

Water along the R.R. lined with large Cyperus, & other Cyperaceae, Cat tail, Reeds, Bulrushes, Willows. Polygonum - Rich moist plains. Cloudy. What a diff. this makes in the impressions.

Above Reeds, Ramages of Lepus. Desert rising like yellow sea on left. Strip of land more or less cultivated along canal all the way to Ismailia. Sage colored. Thorny bushy plants up to 2 ft. in diameters. Often in hollows even 4 ft deep. Exhausted by wind? Fine of old Pharos Canal. White tents and herds in the pastures. Lake or two. Sand drifts. Reed palms to hold.

Rose at about 7. Walked on the roof & viewed the strange scene. It was low water and the flats were visible - the Port & Steamers lying there & others going S. & N. also dimly through the mistebel atakab. Picked up a few shells on the shore & wished I could carry away a bushel. This would be a heaven for naturalists. After breakfast finished my letter home, read & walked till lunch at 1. At 12 from the roof saw the crane call from 2 Muezzin towers. Drove on E. side. Went round the gallery twice - leaving over & calling. After lunch got my letter off with some trouble about stamps. Paid bill & at 2 1/2 sailed with Schaff, Foot & Hoyle Joseph & some of our Arabs across the bay into the Suez Canal & landed or were carried ashore just as a large steamer the City of Corinthia passed to the South. Picked up shells a while. Then mounted over camels at 3.15 & rode till 5.30. A mile or two across a shell-strewn beach. Then less shells & more shingle. Finally sand which being wet by yesterday's rain was not moved by the strong S. W. wind. Sand hills & bluffs appeared & grew nearer. Suddenly an oasis was seen which when reached proved Ain Moosa. Groves & gardens enclosed in ~~red~~ ^{of palm & pomegranate} fences. Our tents were pitched E. of the middle fence. We visited the gardens & springs & tasted of the brackish water. Dinner at 6 1/2.

| | |
|---|---|
| Soup, MacCaroni, Meat 2 kinds, fowl, potato, |] |
| cooked peas, oranges, figs, raisins, almonds, | |

walnuts, English & Arab bread & tea.
Proposed Dr. Schaff be Chaplain at table.
He & I our tent, Hoyle & Foot one.
Arranged plants & wrote to close the day.
In gardens here chiefly palms & tamarisks.
Pomegranates, Acacias, ~~Flowers~~, Spina-Christi -
Variety of grasses & herbs.
Ravens, wagtails & other small birds.
Scene in early evening. Arabs, sitting round fire against ~~red~~ ^{rough} red fence. Camels heads near. Kitchen tent. Chinese lantern with the top & bottom Cords busy - ~~Abraham~~ ^{Abraham} ~~Elis~~ ^{Elis}.
Waiter Abraham Elis, Cook Joseph Sarkis, Dragoman Joseph Tannus. He a hearout.
all Roman Catholics.
Mena.

MARCH,

SUNDAY 4.

1877.

Bed was hard and short & my hearty supper did not digest so that I did not sleep very well. Barking of dogs, growling of camels, talk of Arabs. Continued late - began early. Breakfast at 8 in shade of our tent. After reading the Bible & Stanley a while. S. J. & I walked to the shore nearly or quite two miles over a gently sloping plain down tide. Beach strewn with beautiful shells, cuttle fish bones, corallines, sea slugs, sea weeds &c. Walked far along, then went to the edge of the water over the wet flats. Followed the beach towards Suez. Foot went on the D. had returned I read Song of Moses. Walked E. some distance. Stripped. Ran to where water a foot deep. Lay down in it. Nice little bath green - richest possible green strip. Purple mountains of Sebel Atahah. Yellow desert to right & left. Return. Dinner at 12. Read Stanley, Murray, Cook. Rested & read Bible. Towards evening S. & I walked E. to a spring in basin on summit of highest mound near. Stream from it to another spring. By this a tall, lone palm - S. E. from camp. Walked around & in the 5 gardens enclosed in palm-leaf stockades or brick or stone walls. Supper at 6. It was good to see the camels & the chickens, turkeys & doves have a day of rest.

Suggestions on Crossing of Israelites.
If from Wady Hawarih between literal walls of water 180 ft. high Egyptians would have feared to follow. Unless country quite different could not have come from Cairo - no vegetation - no Succoth - booths. Whether miracle or special providence Suez seems the place unless N. of that - where would not be shut in by the Land. My own impression now is that Ramesses was near Herzopolis - So then the E. part of Δ & that the Israelites journeyed E. or S. E. then turned down the W. shore of the gulf to Suez.

Dragoman, water cook = 2

Travellers = 4

16 camels & attendants 16

22

Ain Musa to Wady Sudr

MARCH,

MONDAY 5.

1877.

Slept pretty well. Rose at 6. They were slow about getting breakfast & the Arabs had a war of words about packing the camels. Kory's cold was so bad he almost gave up going farther but concluded to try another day. We went on at 8. Had a white camel with my baggage on it. It grew hot fast but soon a fresh breeze sprang up & continued all day & with some clouds made it very comfortable. We passed Wady Reiyaneh - lunched at 12 1/2 and started before 2 - stopping to camp soon after 4. All day long we had glimpses of the blue (red) sea & the Mts. beyond - Arafah, Abir & something. The range on our left grew more mountainous & Ras es Sudr stood like a beacon to the S.E. gradually coming abreast. We passed quantities of Edomite & took it to be just as on Jebel Lequattam at Cairo. It was in flat pieces - sometimes so thick as to gleam like a pool or a cascade. Sometimes agglomerated into beautiful rock. The P.L. was across a vast plain covered with shingle more & more flinty. The loose rocks of the P.L. & somewhat of the P.L. were porphyritic - coral, shells & wood! Saw crows, wagtails, a plover & an unknown bird, lizards, several species of wasps - flies, bees & unknown insects looking like larva of dragonfly - also perfect insect of latter large kind - two or three times - can there be any connection - the larva ran fast - but seemed wingless. My Arab at noon gave me his names of 20 plants. After encamping we took a stroll far towards the sea but it was too far away. Found Uncle Reter in bloom also a novel scented shrub (Ar. Siga) - an Artemisia perhaps. Many tamarisks towards the sea. Camp on plain not quite to Wady Sudr.

Hypocyanus niger (Shea) (~~Artemisia~~)
Silene (Dandelion like) *Erimth* (*Salsola*) *Zygophyllum*
Salsola (*Prostrata Salsola*) *Ghursum*, *Ghurud*
Haplophragma (Small flume seeded grass)
Sily (*Crucifer*, *thorpy*) *Shokhl* (*thistle*)
Kiunam (*Richly grass*) *Handhal* (*Colocynth*)
Ghurme (*Fennel*) *Gherbale*, *Ghotaf*, *Shear*.
Erbaal, *D-gage*, *Reter*, *Haloway* (*Prostrate*
bluish, purple leguminous small fl.)
 Observed today -
 Plant with small white flowers - small fl.

in Hawarah - Wady Ghurundel

MARCH,

TUESDAY 6.

1877.

Breakfast in open air by sunrise. Half-moon descending on W. lks of Arabia on E. Sea & mt. of Egypt on W. Still air. Whistling of larks? Off at 7. Walk an hour - Soon pass Wady Sudr. At 10 sand hills begin to come between us & sea. Glimpses of it all day. (Ravens waiting for us to leave camp. Ravens mostly in pairs.) Over level plains till noon. Descended to a lower level & lunched in blowing sand. Described an interesting orobanch. growing in the sand. Country grows more & more broken in P. M. Sand hills 15-25 ft. high. Surface beautifully sculptured with parallel crooked wind ripples. Very hot from 2 to 3. Passed Wady Gumarah & Ain Hawarah. - for latter see books. - Water tasted like Ain Misa's. ^{Ras} Sudr gang. Jebel Hawman, Jemsharah & Hawarah appeared. Plain covered with sage colored bush - creosote of Arabs. Camels feeding far to right. Interesting granite group of Mt. in Africa "Dean field"? Flock of goats or sheep off to left. Greater variety of plants. Down to Wady Ghurundel. Camp at 6. - 10 hard hours of riding - relieved by walking after. Saw Arab camel boy before reached camp. Also this A. M. met Arab & camel & 2nd Arab far behind. Went & saw the brook - broad, shallow flow - quite good water. Quite windy tonight. Saw only one beetle of acacia royal here. Much Vittraria - also cat-tails in the water. Hawk swallows also.

Saw larks today & in P. M. many large dragon flies. Ashwas? beetle we saw in Egypt of Carabus? kind. Arab way of getting the time. Marking end of shadow by a pebble - measuring it with feet. No Lycocarpus today. Less vegetation than A. M. than before. Prevailing plant in A. M. creosote. ~~Euphor~~ - Clover - ~~Euphor~~ Egligle white crucifer, Euphor pink do. Nihil - Palms.

MARCH,

WEDNESDAY 7.

1877.

A very windy night - expected tent would blow over - exceedingly tired. Altogether did not sleep till last part of the night. Rose early - Explored brook. Water unusually warm at source. Below two running rills. Ate in open air. Cool. Started at 7 1/2. Walked an hour collecting many plants. View of Serbal from the high ground. Glimpse of sea once more. 9.45 Wady Useit - very interesting. Very great variety of vegetation - much flowing water nitrous & leaving nitrous deposit on ground. Fine palms. Much slitting - Acacia Seyal - retum, Nitaria & many patches of grass - patches here & there for next half hour. Dined under a low palm in Wady Thal. Ground covered with nitre & every sign of water. None visible. Soon three wadies walked with lofty limestone cliffs, worn & weathered into columns & River banks & terraces & all but the water. Saw the caper plant - last of first. About 4 we entered W. Taiyebch. & found our camp. the camels being very tired. Above were reeds very tall. Cliff walls & a sparrow like bird were about. Abram shot a quail with a white spot on each side of its head. In the evening the crickets chirped like autumn at home. Saw many lizards today - not the large headed kind of Monday.

In A. K. saw some heap of Abu. Ferme in about W. Shurumdel many cruciferae - white, pink & yellow. 2 species of geranium. In W. Useit many Campanulaceae. All along the large acacias had been dug up for charcoal.

Plasants camp under tent with black & red band of strata. Zodiacal lights. Quite wild. Crickets. We are Arab today.

Musa - 65 to 70. Nightgown - not very white to middle of calf. Bag of brown woven from uncolored fleece of native sheep. Holes for head & arms - to knee. Clay colored (pale white) cloth over head & neck. Yellow silk handkerchief - faded green head. Sometimes sandals are pieces of stiff leather. Climb in hand, for one. Straight, short step light yet firm. Road. A Toworah Bedawie - Musa Abu Nughary. 10 yrs thick of the Sinai -

Tonight saw dragonflies resembling *Diplax rubicundula*.

Frenchman very polite but gives up bakhshish. Englishman beats Arabs (gets angry) but gives much bakhshish. French like latter better.

MARCH,

THURSDAY 8.

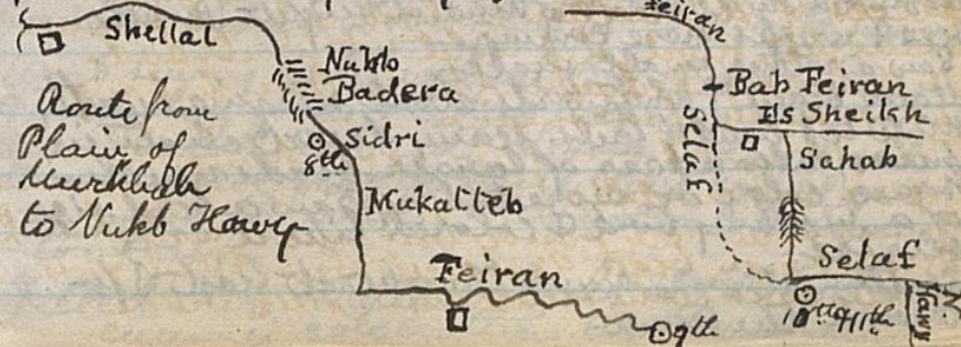
1877.

Rose at 5 1/2 after a night of very quiet & refreshing rest. Got off at 6.40. We walked ahead as usual. Capers - bush on rocks - lofty wall of mts. rising in precipices on either side. Black & calcined mt. barring the way ahead. Sun shone atterward & revealed a way around it to the plain & free ocean.

All of Scriptural history, Deliverance from sin - life to eternity. Storey view. Sea gray near shading to dark blue. Mts. of Africa beyond - granite group pierce the over - solitary sail. Vast plain on left - & lofty ranges running out to the sea for ahead. Foot of mt. walked in till 9.40 when we came upon the sea. Off with our clothes & fling in. Deeper rapidly. Sand bottom, clear fresh water in smooth waves rolling in. Best bath in my life! On around a point which made the camels wet their feet. Near a range faced with wonderful columns & buttresses of sandstone. Up stairs, in long flight of white marble steps. At 10 1/2 having passed several such points we left the sea & struck across a plain covered with granite gravel chiefly & sand chiefly for 2 hours to the entrance of Wady Shellal - Nukh Badera. Twined & pestered under shadow of rock. (x Plain of Murkhah) Saw a chameleon on a rock on this plain also a butterfly several times, 2 quails in Wady Fairbairn. & on acacias today several times a black & white bird sparrow size. Up Wady Shellal & Nukh Badera. Fine view & about an hour down Wady Badera (or Sidri) to camping place on sandy plain under rocks to right. For accurate description of all this see Stanley & others.

Walked & rested till supper time.

The Arabs brought the horse of "Jericho" from the cliffs, above our camping place. The Plain of Murkhah (Sin) was thrown with palm trunks near Wady Shellal & we noticed pieces of all sizes for a mile or two. Saw many large acacias (Shittim) up this Wady, also two blue locusts - with under wings plainly red. Saw a tree locust today. Near Nukh Badera ground sprinkled with young of some such locust.



MARCH,

FRIDAY 9.

1877.

Rose at 5 $\frac{1}{2}$ and got off at 6 $\frac{1}{2}$ up Wady Sidreh. Passed the mouth of Wady Magharah (Jue) and then southerly to W. Mukatteb where we saw the inscriptions on the rocks, writing & camels & horses & horsemen. We saw an Arab woman at a distance and several Bedouins came to sell turquoises &c. Saw a dog also. Climbed a pass & went down to Wady Feiran. Saw 3 camels feeding here. Went on trying to find a place for dinner. & were obliged to take it under an acacia of scanty shade. Rested from 12 $\frac{1}{4}$ till 1 $\frac{1}{2}$. The last hour before dinner was intensely hot but in the P. M. a breeze moderated the air. Followed Wady Feiran the rest of this day's journey. For a while it was straight then it zigzagged the rest of the day between lofty & lofty hills. They sent Ismail ahead & he climbed to a spring of cold water & was waiting for us. Our route continually crossed the W. from one point to the other. The Mts grew taller and more rugged all the time. We saw several Arabs & camels. Our men must have water so we did not find our tents till 5 $\frac{1}{2}$ among the palms of Hady-el-Khattaten where were wells. Took a stroll arranged my plants &c. The serrated wedge of Serbal was close at hand & I wanted to climb it in the A. M. but justice to other places would not allow. Camp scene at night. Entirely compassed by lofty mountains. Clear sky filled with bright stars. Bedouins squatted around a bright fire which threw its light on the palm leaves & revealed our 3 white tents.

Here were palms, spina-christi, acacias, tamarisks, tobacco & grain. Saw many blue or black locusts, just pairing & some common locusts. a blue dragon fly, lace wings (night) caterpillars of solitary kind were feeding on crickets. They were 2 or 3 inches long. A beetle was very common on the same plant. A cetonis beetle came around at noon & a small may bug kind at night. Bumble bees & wasps were common. Saw a rather small grackle. Many black & white birds about singing sweetly. White top-head & tails. Many desert chats in pairs, also a pair of larger birds much same color or more tawny. Saw a bird like of a mocking bird & colored like it or a curlew.

Shuttin at our camp tonight at least 3 ft through the trunk.

We started at 6.40. We soon came to a delicious brook & drank. Ruins of stone houses & huts appeared on either side & cultivated plots on the right containing barley wheat & tobacco. We then came to what remained of the Convent of Parau - on a rocky eminence at the meeting of Jor & Wadies with a magnificent view of Serbal & the rocky mts. which surround the Convent. An abundant brook flows at the base of the Convent & all around & up the radiating valleys were palm groves with other trees, grass, cultivation & houses & caves occupying the bases of the mts. & perched on houses & chapels - even to their summits. The Noble Crataegus spina Christi apple of Stanley grows all thro' this oasis, the royal tamarisk, & reeds & cat-tails & grass. Above the Convent we rode several miles between or beside dense palm groves, then out thro' tamarisks upon the desert again. Opposite the Convent, the traditional sight of the battle with Amalek, heroes holding up their hands & the twisting of the rock. Saw the remains of a chapel on top of hill on which Moses stood. Heavy caves in this vicinity. Saw flocks of black sheep & goats being driven to pasture in the new day. On to Bab Feiran a narrow portal between 2 great piles of granite into Wady Gold. Thence into W. elh Sheikh. We dined at 11 1/2 in a hot spot but where we had a fine view of Serbal. A few miles further on we turned into W. Sahab (road) up a long slope for some 2 hours, then climbed over broken ground & down a long way to W. Solaf again. Here at the base of the mts. on the E. we rejoiced to see our tents. Spent an hour to my plants & went with S. to the well. After supper, rested & wrote. Our men made a great fire with crinths in a reedy bush which illumined all the scene. Serbal stood out in glory against the western sky. We were glad to end the toilsome week. Had a distant view of J. Lusa this P.M.

Saw two clouds of wild geese tonight, at an immense height - passing W. Singing in groves of Feiran ash & bird with black head. 2 pr. of flycatchers? with black tail in tamarisk groves of J. Kestrel & eagle seen at 5 P.M.

Found a young rabbit today - around a ketere, bees with orange legs, abdomen beneath, thorax above, others marked with silver.

Arab sewing as he walked. Got cloth in Suez & made my abbas & today had it on. Our Sheikh is "Said". He says today I said they did not pray because they could get no water to wash. They wait at Feiran - too busy.

Filled our water barrels at J. Today cucumbers, colocynth, Ar. Handhal.

MARCH,

SUNDAY 11.

1877.

a quiet Sabbath. Rose a little before 7. We read the Bible, Stanley & other guide books during the A.M. preparing ourselves for the wonderful scenes of the week before us. During the A.M. which was very hot & rested, read my Bible, sung and haunted up to the Well and to the Arab Burying ground. The sun went down in glory behind Serbal again & the Zodiacal light was ~~very~~ very distinct. Retired early.

Eagle opposite below has a nest near the Convent.

16th Barn swallows-like in broad Wady leading to Ramleh.

2 Helixes found at Surai - aspera & hortensis?

Helix in great abundance at the summit of Jebel el Zih and for some distance like hortensis but larger with traces of two or more revolving bands. Saw no live specimens but weathered ones were very abundant all over the ground.

Striking fire with flint triangle hung to the belt, & a splinter of flint and egg web in salt fire. Carley fire to another pipe with dry camels dung. Abraham uses the expressions "Coarse weather." "The sun has not yet arrived."

Ideas at the Convent. Chapel on Ras S. erected to the virgin in commemoration of their extermination! (Sic)

Dress of my man - Yellow & red cloth over head held by 2 hoops of black & white like grace hoops. round his crown - dirty cotton abba & 2 twisted blue & white garments peeping out from beneath - striped. Black wooden cloth like a shawl worn without. Bare legs & feet. Sandals & thongs. Belt of leather. Pipe in hand, 2 bent copper cylinders hung to broad belt of leather & pouches of leather and for powder & tobacco. Scuff along - Scimitar. Washing & praying -

See Sunday Apr. 1.

Trade - charcoal, millstones, ibex-horns, gum-arabic, manna.

Food dates (sometimes), milk. (Palmer knew of none tasted nothing but milk & 3 grs.) Beans, Wheat. 70 camel, "Hait", "are-rij."

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MARCH,

MONDAY 12.

1877.

Our Camels did not return last night but as we were starting off with new ones to supply the place of the missing, they were driven in. We set out at 6^h West E. perhaps half a mile they turned up Nubb. Heavy soon the path became very steep. Foot & I dismounted & walked nearly to our journey's end. I followed the dry bed of the brook most of the way. There were small palms, wild figs, much vegetation & often refreshing water. On the mt. above the summit a flock of black goats was feeding. A wayan & boy came thence to us & demanded backshish. It was exceedingly hot. We now soon came into a sloping plain with scattered bushes of herbage. I did not recognize it or believe that the mt. before us was Ras. Suseph. I am assured that the unimposing building low down at its N. base was the Convent of St. Catherine. The mt. ~~before~~ was less imposing the building too low in the valley & the plain less green & extensive than I had imagined. I was disappointed. But as we travelled on down the slope to its base, past W. el Sheikh & towards the convent my disappointment mainly passed away. The two ~~best~~ of the English ladies were encamped within a stone enclosure. We left our camels & baggage just beyond and with Joseph went to the Convent. He put a well up on the rope & we were received at the gate & taken thro' an inner court, iron gate & numerous passages to an elevated & comfortable chamber. Seated at the divan, water, arrack, & date paste were bro't to us. Dr. S. talked with two of the Bros. in Italian. After a rest Joseph spread our meal in an adjoining room & we ate. One maid sent in coffee. Returned to other room for a siesta. Bought some "unquana". After an hour the Bro. took us to the Chapel - very rich in costly things - see Guide Bk. Took off our boots & went into the Chapel of the Burning Bush & saw just where it stood. Went to 2 underground rooms in garden where were bones of 3000 monks - skulls in 2 boxes, skulls at one end, arms & legs at other, rest in middle of each. In 2nd boxes of anchorites & patriarchs & in chests. Iron shirt & chains in one were worn by the owner of the bones. The garden was more pleasant - Apples, Apricots, Almonds, Pears, Quinces, Peaches, Figs, Olives, Pomegranates, Lemons, Nectarines, Mulberries, Plum - Eng Walnut, Cypress, Poplars (Balm of Gilead), Eng Beans, Tomatoes, Spinage Cabbage. Myrt. Nepeta, Glee-horn & flowers. Monk made us each a pretty bouquet. Called on Misses Booth & Brocklepit. Baggage camels came at 4. Put things in order.

Saw in Nubb. Heavy birds closely resembling cry purple finch, an eagle with posterior part of wings black - rest white around Ras Suseph.

Jebel Musa & Ras Sussafeli.

MARCH,

TUESDAY 13.

1877.

We (S. J. & I) got off our camels at a little after 6 for Jebel Musa. Abraham went with us & a Brother from the Convent. The ladies were ahead of us. Rode on an artificial road path up to just below the cliffs. Then walked steps up all the steep part. Dendrites - Burning Bush. First to Convent. Grand view but not so fine as it not hazy. Mosque, Cave where Moses saw God - below mosque; mark of Moses on rock. Did not see footmark of Mohammed's yule as was not with the party on way up when ~~first~~ pointed out. Good view of the plain below but hardly the place for the Israelites. Down to Convent of Moses & Elijah. Dinner & rest. Mountain of Elijah. Cypress 75 ft. high. On to plain at foot of Ras Sussafeli with its willow & Chapels of Virgin of the Zone. Here we met the ladies again on their way down to the Sejah Wady. We now climbed to the summit of Ras S. between the two peaks. Here the whole plain of Ex. Raliali was in view & Moses may have stood. With an Arab I climbed to within about 50 feet of the higher summit. But with the vast abyss down to the Sejah below me I dare climb no further up the smooth slope. The view was inexpressibly fine all along here. We rested a long time in the chapel & at the Chapel. Then we descended to our camp by a vast chasm - which seemed as has been said to meet every point of Moses descent bearing the shout of the people but not seeing the worship of the calf. Arrived at 4 not very tired. Took my portable press all around with me today & collected many plants.

Saw a chamelion on a black rock at Jebel Musa, a little animal like a rat with the chopped off tail at Chapel of Elijah. Cleaved up and tended to my insect. Called on the ladies - all of us - after supper. Had a council over our route - Joseph declaring we could not reach Jerusalem in the appointed time of waiting to go back to Suez and send us on to Jerusalem. We felt bad at the prospect of having our time in J. shortened but finally all decided to go on to Kiblah and Port & gave up our visit to Mt. Catharine that we might start tomorrow.

For the rest of the day see Guide Books! Snow on Jebel Musa.

Sinai down Wady Es Sheikh.

MARCH,

WEDNESDAY 14.

1877.

Rose before 6 & packed. We had much waiting to do. ~~The new camels & all the loads had~~ to be readjusted and for several hours there was a jargon of Arabic & sometimes a thunder storm. The Greek Priests came round with a book for our names & recommendations. Therein were the names of a number I knew as A. L. Park, E. J. Fairbanks, A. E. Kittredge. Then the Brothers wanted a gift for their poor. We got away at 8. The Bro. of yesterday went with us and his servant. We passed to the left of the Hill of Aaron, around the base of Sufsafele, saw the mould of the head of the calf, and at a distance on the right the Pit of Korah. Then up the interesting valley of the Saja by a very stony path to the Stone of Moses with its 12 months into which the Arabs had thrust grass. Here reluctantly we went to the Convent of St. Sebastian where that worthy with 40 monks was slain by the Mamelukes. The great olive orchards were interesting, and so was the view of St. Catharina with drifts of snow here & there upon her highest peak. The building was new & unfinished. We were shown to an upper room where seats were fixed & we were served with arrack & coffee. Returned by the same route. Reached Wady Es Sheikh at 11 where we found Joseph & bid good-bye to the Brother & the Convent. The ladies & our baggage camels had gone on already. Crossing the long straight reach of the Wady we turned & lost sight of these interesting mts. forever probably. Ate our lunch on natural seats of rock. Early in the P.M. passed the tomb of Sheikh Selim Saleh from whom the Wady is named. About 3 hours after starting the W. led between two mountain gateways - very interesting. ~~Then~~ The rock on the left presented some very wonderful architecture. Then we passed by a rock where Mahomet rested. Covered with wild flowers & plants. Stones & offerings from pilgrims by. Down between ~~two~~ terraces & mounds of clay. Then tamarisks a long way nearly to our camp on the left of a broad reach. It had been cloudy all day, the sun shining but little & very comfortable travelling. Yesterday it was less cloudy. Otherwise we have hardly seen a cloud unless a few hazy ones about sunset. A few drops of rain fell tonight.

MARCH,

THURSDAY 15.

1877.

It did not rain last night or today but has continued somewhat cloudy with intervals of sunshine. A cool breeze added made this a very comfortable day. We were off at 6 1/2. Stopped for lunch under a great boulder from 11.45 on hour. We continued in a W. course this morning towards Serbal which was in full view seemingly quite near. About 10 we turned up Wady Selef & over a low mountain down again to the S.W. & round into W. Barak - a broad W. which ascended a long time. About 2 it descended an hour & a half. Then we ascended & passed a divide & down into W. Barak(?) & about 4 1/2 reached our tents having travelled 9 hours and being very tired. Since noon we have been going in general a little W. of N. Quite a change in vegetation today. Great increase of Compositae. Some Lily-like plants appeared - also the Calceola of Europe. After trap dykes like giant stone walls ran across the mts.

Bakshish, Bakshish, ya howaja.
Ma-fish, ma-fish, there is nothing.
Allah, ya'tik, May God give thee.
Neharak, sa'id, May your day be happy.
Right hand on the breast after to the forehead in saluting.
matia abba or laik.
XITWY, tunic or shirt

Sounds of early morning on plain of Shephelah -
Talking of Arabs & singing. Repeating the Koran sentence after sentence (Arabian Nights Entertainments).
Crowing of cocks. Braying of donkeys.
Howling of camels. Songs of larks.
Sound of the grinding - Hum of Scarabs.
(See Mar. 25.)
Tallahim in striped black & white abbas.

MARCH,

FRIDAY 16.

1877.

Off at 6 1/2 after a very quiet night and comfortable. We passed down and up broad wadies - for an hour or two the acacias were almost as thick as apple trees. Before us there would seem to be an orchard. About noon we came out on the broad sandy plain of Debbet er Ramlah. It was not strictly a plain but a vast rolling expanse of sand and gravel. The eastern part of beautiful clean yellow sand the other light of various descriptions of gravel. We lunched in the lee of some bushes on the edge of this plain. The wind was fresh & almost cold all day. At 1 we set out again towards the face of Jebel et Tih which seemed near. At 3 1/2 we were among the foot-hills & as there was no more herbage for some hours we encamped in a small wady. Gathered plants & spent most of the time till dinner upon them. Our general course today has been north.

Birds sang like thrushes this morning. Wall-like basalt dykes running over the mts. Old Roman stone building.

Botany. "Rose of Jericho" grows on cliffs on E. of Wady Sidre. Arabs brought them to our camp here.

Hayweed the flower in the Sinai region.

Mullein stalks seen in the hollow of Ras Sufsofe

12 ft high.

Nightshade seen in Wady Sefja - also a holly-hock like plant apparently introduced with stems several feet high - dry.

Maidenhair fern seen - found it in Nakh Hawy.

Saw occasionally but never obtained a papilionaceous yellow flowered plant close to the return but not over 2 or 3 ft. high - eaten by camels.

On Sinai saw a thistle often with white woolly veins - dry stems - three feet.

Wady Feiran to a crucifer with fleshy cabbage like leaves.

15th Calendula vulgaris again appeared.

16th Most of the acacias of the region pollarded.

15th Met plant like a Scilla - 3 celled pod - one - also a yellow-eyed grass.

16th Narcissus - 3 or 4 leaves, growing in ringlets -

" Liliaceous - raceme of about 10 brown flowers - 3 petals & 3 sepals -

" Puff-balls on stems 3-4 inches long -

" Ramlah, white stalked thorn in clumps 3 ft high - succulent, jointed twigs - no leaves. Flowers whitish. Per. 5 parted 5 parted. St. & styles 4. Ov. superior, 2 or 3 flowers out of a joint.

MARCH,

SATURDAY 17.

1877.

M.

Mary's birthday. She is six years old if living as I hope. The Lord bless her and make her his child and fit her to be useful on earth if this may be. Have prayed much for her today. We had a windy and uncomfortable night. Got off at 6¹/₂ as usual. We walked all the A.M. Almost immediately we began to climb the mountain. The wind was so violent it added greatly to our exertions. At exposed points we were often obliged to stand still & brace ourselves or even cling to the rocks lest we be blown down the abysses. The wind roared over the rocks & even brought upon us showers of pebbles. I felt as if I were going to faint at one time. I rested & waited for the others frequently. Was the first up - 1150 ft. above the camp of last night. Fook's barometer said. We waited for the camels in a cave just below the summit. Then we crossed rolling hills into a Wady which gradually deepened till we turned to the right & descended to a considerable depth 550 ft. below the summit of Jebel Et Zih we had left. Here on the side of a stream bed we lunched. There are pools of brackish water named Abu Niteighineh. Palm-trees, tamarisks, figs, glaucous cat-tails, reeds, &c. Then over gravelly, sandy or stony plains, now higher now lower with a white wall of mountain Jebel Qineh away on our right and far away crossing our path in front. Country the P.H. a broken plain in short. Some after 3 we saw far ahead across a deep broad W. with many trees, our tents being pitched under sandstone cliffs. Were we at 4. Saw 4 greyhound vultures soaring here. The pass we ascended this morning is not Sureik but Er. Rakinch and we are in Wady Arish.

Distances - Suez to Mt. Sinai 160 m, 56 hours.
Sinai to Nakkil 46³/₄ hours = 140 miles?

Rock rose (Cistus) first seen -
Large flowered low mallows today -

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Wady Arish to Tamarisk Camp

MARCH,

SUNDAY 18.

1877.

I felt sad at having to travel today. I gave the others to understand that I was opposed. They thought it "necessary." Fear I did not do all I ought to change their decision. Ought I to have trusted God & remained behind? It was a bright, peaceful morning after a cold night. I walked in advance two hours up W. Arish over the sands among clumps of tamarisk and reeds - hearing the birds sing and trying to be charitable and bring my spirit into harmony with the day. Saw one or two hawks. About 10 we came out on gravelly plains. The wind was cold & penetrating & we wore overcoats most of the day. Under a reed where we lunched the sun was hot. All the P. M. we travelled over plains mostly of flint gravel & hard as asphalt pavement & looking much like it. Saw a great swarm of wild geese? (Ar. Neger) high in the heavens circling in a vast vortex. Sometimes the surface was a succession of sand banks covered with an alkaline undergrowth. We journeyed from 6 A. to 5 P. M. one of our longest days. Camped in a shallow W. among tamarisks.

1. Thorny shrub 3-6 ft. leaves dark-green ovate or obovate. flowers monopetalous tube long, limb flat 5 lobed - white or pink - berry red small - 1-5 seeds -
2. Reed-like bush 2-3 ft. high - opening scales appear to be the flowers -
3. Wormwood like plant - *Artemisia*?
4. A yellow flowered *Xyris* genus grew in the sandy W. north of Nukhul. The Egyptian kind abundant.
5. Sunday I saw two plants like the *Orobanch* described under "Castle Acre February" (p. 2). But the spikes consisted of short dark red flowers & I did not examine the plant.
6. *Orobanch* just mentioned.
7. Shrub - thick salt-tolerant like leaves - salt - set on branches like scales & forming a perianth flattened horizontally - 4 stamens prominent? foliage sage colored. Favorite food of helix. 25 to 30 on a bush.
8. Shrub. Berry-like acuminate leaves often rather reddish. salt. Young twigs often reddish. Perianth of 5 yellowish green sepals. Stamens 10 without anthers.

Jamarish Camp to Nukhl.

MARCH,

MONDAY 19.

1877.

M

Retired at 8 and slept very soundly as I have done for several nights. It was very cold this morning. Off at 6.40. Our route today was over plains very similar to those of yesterday. It was warmer and still the wind was cold. We lunched on a natural seat on a ~~humble seat~~ flinty sterile hill and lapsed on. At 1.40 Nukhl was visible & about 3 we arrived. While the tents were being pitched S. & H. looked thro' the village. We found on the height of the little hill 3 reservoirs of ~~was~~ ^{was} ~~very~~ filled with water - pumped there I believe. At a little distance I saw a round one also. We went into the Castle - a hollow square with an arched gateway in which was displayed a formidable array of muskets. In the courtyard were two field pieces. The Gov. received us cordially and took us to an upper room where part of the floor was raised & spread with a carpet & cushions. We took two chairs however & we were served with raisins wild figs & coffee - the Gov. being very obsequious in his attentions. On the outside of the open door were the impressions of 3 bloody & right hands. The Secretary & Joseph lifted the pater view. Afterwards the Gov. walked thro' the miserable village & to our tents with us a large number of men & children hung around the tents. In the evening we had an eastern experience. After dinner Joseph came in with Sheikh Abdullah & the Governor's Sec. and we were informed that we could not go to Jerusalem via Hebron but must go via Gaza. We demanded the reason & the end of it was that this was confirmed & Joseph was forced to pay 12 £ extra bakshish in addition to what he expected. There was a great jabberation in Arabic French & English. There were troubles at Hebron between the Arabs & a messenger arrested. We had reason however to think it only a swindle. The Johnson party could not go to Petra & had to leave for Gaza this morning. Our Arabs wanted to go on with us. Abraham said they were crying because they could not. We preferred them for they have been honest & good natured. After a long discussion this was permitted only my man must be Sheikh justaid Suid or Saladin. Then the Nukhl party went away & the two Muris, Said, my man & one other came in. Joseph expressed our satisfaction with them and gratification that they were going on. They shook hands & kissed the back of our hands & then the carb stones upon the carb stones brought for cattle. A large deep well, substantially stoned.

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Nutkhl to Camp Helix -

MARCH,

TUESDAY 20.

1877.

As we were not to start early breakfast was at 8. There was a terrible quarrel among our Arabs and with the residents but it only was a war of words. Sheikh Abdullahi was very light colored for an Arab & smart looking but did not appear so honest as Sheikh Said. He was better dressed.

was better dressed.
Cold & cloudy this morning. We got
away abt 9 $\frac{1}{2}$ and pushed on all day over
black flint gravel plains - varied occasionally
by flats of dried mud or shallow wadiest
low hills. A few hills or low mountains on
either hand hardly broke the monotony.
We stopped $3\frac{1}{4}$ of an hour to lunch & soon
after I encamped on the bare plain under
a low bank with a quite interesting group
of mountains west of us. Have seen less
herbage than any day since we left Suva.
Noticed a palm stump at Nukli which had
been watered but I could see no signs of
life. This P.M. I saw several distant clouds
of "Nigger." Saw a bush before our tent this
P.M. took over 25 of the large red & white
helixes very common herabouts -

Musa at the 21st - "Old Musa." Marched
in advance like ^{aunt} ~~an~~ old hag. On his head
a ragged close fitting hood or cap of quilted,
& patched blue & red silk. Brown woollen
blanket held by his folded arms close
around him. Fringed hem across his upper
back & the lower edge at his knees - below
which half way to his feet dangled part of
dirty white ^{cotton} ~~silk~~. Dark shiny legs & feet
hid upon latter by brown string - sandals.
of old pieces of leather. Stem of pipe projecting
above left shoulder. Steadily, determinedly he
wrote a light tread. Slender build medium
height. Much wrinkled, somewhat gray.

Young Musa walked close behind. Shorter, heavier, heavier tread. Fine striped shawl of blue & red of flax perhaps over his head & hanging round right arm. Black woollen blanket to middle. Copious white ~~over~~ hanging evenly almost to his ankles. Scimitar hanging on left side in worn leather scabbard. Stick in right hand. Sandals like Musa's. Always looks nearest of all. Quite dark. Thin face. Long narrow face, white teeth fine nose considerable beard for an Arab. Great talker apparently smart & eloquent.

Camp Helix to Camp near Jebel Sheraf

MARCH,

WEDNESDAY 21.

1877.

Very good sleep again. We did not get off till 6.45. No eggs for breakfast today for the first time. But there was jam bread & crackers & by the kindness of Doyle Cocoa for me this morning. Cloudy, misty & a sprinkle of fine rain but the sun soon came out clear & hot. As usual a breeze springing up in the P.M. & increased to a wind by sunset. This wind usually falls asleep in the evening. The journey was over flinty plains as yesterday but not as flat & uninteresting. More vegetation. More wadis. One was half an hour crossing. It was as if a giant plough had run through it at pretty regular intervals, them all being coated with hard smooth clay. Doyle caught a true chameleon today. Great swarms of "neggers" - vultures doubtless soared overhead. Early in the day we unexpectedly came out on a precipitous bluff commanding the plain far in advance - Jebel Osh. These black plains were covered with angular flint - not rounded gravel. Blackness relieved by white streaks & camel paths. Rows of green shrubs here & there especially along the white streaks. Had our tent up for lunch. Got into camp about 4 1/2 hours having made a little over 8 hours. Came on the Helix route so far. The broad wady described above was Shureir - left Jebel Shurim to the left today. From the way we called our camp "Equinox". Started 12 gazelles a mile ahead this A.M. Saw them run a long way. They stood on ridge of a hill a few minutes. Saw barn swallows today, also a flock of Eng. sparrows in the Nubk tree in the castle at Nubk. Passed today at the right two trees which I did not visit but Musa said doubtless correctly that they were "out". Saw many dead plants of Rose of Jericho. A thistle appeared also. 22nd. Saw a small purple Iris. 26th. Another asphodel between. Another poppy and adonis & convulves. 4 mallows.

Jebel Sherāf to Mountain Camp.

MARCH,

THURSDAY 22.

1877.

Very thick & misty this morning. A flock of storks were stalking about in the Wady near rearing sugils which greatly abound everywhere. These were evidently the "megger" vast flocks of which we saw in the Bay every day. We started at 6.45 and came into camp soon after 5 stopping from 11 1/2 till 1 for lunch. The trip came out about 8 revealing fine mountains on both sides especially the right. There was less dead level as we went on. In the P. M. we struck across rising ground to a very green W. where we looked for water but found none till nearly 2 when we turned to the left from the Febron path. Here there was quite a stream but the water was the worst we had tasted. Hence we ascended an hour between mountains to our camp. It was still very warm today - found a white helix with a distorted mouth abundant at our camp.

Silleh Ar. *Ereophila praecox*? Glaucous green thorny masses even 8 or 10 ft in diameter. Very dense. Often lilac with its cruciferous flowers succeeded by a woody one called seeded pod. Favorite food of camels -

Qateya. Often 12 ft. high - multitude of branches. Look like a juniper or in general like a bunch of willow. Flowers white pinkish or banner. Calyx black or dark. Pod about 2 seeded.

9. Bush with bright-green berry-like leaves & whitish flowers - 5 sepals, 5 petals, 10 stamens 1 style - 5 winged ovary - flowers from joints of green twigs.

Plain of Gaza - Large *Aspidel* often 5 ft tall very abundant - Small one also. *Chrysanthemum*, Poppy, *Anemone*, *Lychnis*, Small *Trifolium*, *Achillea*, *Larkspur*? *Chrysanthemum*? *Artemisia*? *Bush*, Yellow flowered poison bush. *Adonis*, Purple white *Campanulid*, Purple flowered *Labiate*, White *Scabiosa*, Many grasses. Small light yellow thistle, Hawthorn, *Pimpernel*, Small white Umbellifer, Large do. Orange radiant *Compositae*. Yellow radiant *Compositae*. Small occasionally. *Vincet*. See previous page

Sandy Bluff to Iron Mountain Camp.

MARCH,

FRIDAY 23.

1877.

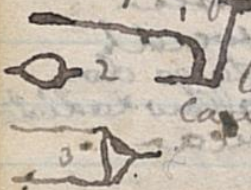
No fog. The nights are much warmer and moonlit. We left at 6 1/2 and passed out from among the mountains into a succession of shallow valleys occasionally crossing a Wady. About 10 we passed over land that had been ploughed years ago and where there were the foundations of stone walls. We started a flock of grouse and one of pigeons. About 11 we began to find the fine pure sand of the Maratime Plain. At 11 1/2 we hunkled under a Saut with another near our baggage camels having passed us already. In the P.M. we travelled till 5 and made 10 hours today. Our way was largely over ridges & across valleys of soft sand. Scarlet poppies abounded. We found two tortoises 6-8 inches long of a greenish yellow with some black markings. A greater variety of plants appeared. One had a large leaf like the Lily of the Valley, also a sort of asphodel with flower stems 3 ft high. Scarlet poppies abounded, yellow compositae. Besides the smaller iris a larger one was seen purple with black spots. There was a marked increase not only of vegetable but of bird life. Even the hills were sprinkled with bushes which were quite thick on the lower ground.

Encamped in a hollow N. of a sharp ridge.

Arab Cemetery seen in P.M. In A.M. Camels feeding at a distance. Also an Arab sitting on a camel across a distant valley & over the hills.

Plough of Palestine.

Long beam for bullocks.
Short beam for camels. Rope to end of whiffletree & thence to the camels' shoulders & front of hump.



Sandy Bluff to Shephalah -

MARCH,

SATURDAY 24.

1877.

a warm night followed by a very warm day - Starting at 6 $\frac{1}{2}$ for some two hours we crossed ridge after ridge of sand separated by valleys narrow or broad. From some of the Ridges we had a very wide view over a sandy country & even throughly we saw the sea. We had before us the high country of Hebron & the long blue line of the hill country of Palestine was on our right all day. About 9 $\frac{1}{2}$ we camped upon the first fields of wheat. Such fields increased in number & the grain became more vigorous. At 12 we reached a well of fresh water. Women were continually coming & going with two dourkeys each & a black clay pitcher of water on each side of each animal. Arab women led a flock of goats & broad tailed Syrian sheep to the well - the first sheep I had seen - of this kind. After an hour's morning we marched from 1 to 6 nearly. In the P.M. the great heat was mitigated by clouds a part of the time. The country was now beautifully green & was mainly largely in grain. The herbage grew rank as we went on & new varieties of flowers appeared every hour. The black tents of the Arabs stretched a mile or two in almost a succession on our left & here & there we saw them all the P.M. Women or children were watching sheep, goats, dourkeys or camels. We met a woman on a camel with a baby - saw another carrying a young child on her shoulder. The men we met seemed dirty - Saw many tortoises today. Heard many crickets. The ants had great quantities of seeds &c spread out near their holes drying. We were interested in the great beetles rolling their dung balls into holes they dug. Before we camped the herbage was in some places deep enough to plough now.

We were glad to have the hard week over. Our rest was on the plain beyond a deep wady. The bright moon over our camp fires & distant oases made the night pleasant.

Saw a creature run into its burrow today - like a prairie dog with a squirrel tail - a little heavier perhaps than a gray squirrel.

On the Shephalah

MARCH,

SUNDAY 25.

1877.

Rose about 6 1/2 and read my Bible an hour. Breakfast was at 8. The day was very hot. Read Stanley's Sinai & Palestine most of the day. We had Bedouin warriors to visit us most of the day at one time 10 were here with their horses, lances, guns & swords &c. They rode about to show off their horses & themselves. Soon after 3 Joseph returned from Gaza with Messrs. Jansin & Anderson from the other party & after their letters. They made us quite a visit. We were sorry to hear that there was likely to be delay in our getting on from Gaza.

Joseph brought back great seedless oranges. Saw 4 gazelles at a distance this P.M. In the evening I heard the merry voices of Arab children from huts at a distance. They were chanting in unison & I would have thought them Am. children for all I could hear. The barking of dogs, the bleating of sheep & goats & their young came also to my ear. The great plain stretched away on every side - the gibbous moon was overhead & cumulo-stratus clouds lay in the N.E. sky. Men, camels baggage & Arabs were distributed around fire of dung. Joseph's boy was pitched out in the blanket on the earth but called "Neharah said" Oh how my heart goes out for these Arabs. I hope they are happy & perhaps use their light as well as I. I shall not be the judge of all the earth do right. Oh the mysteries of Providence.

Gaza - Orchards, Cactus hedges
& cultivated fields.
View from hill. Sea-
1877.

MARCH,

MONDAY 26.

1877.

Arose early. At 7 we were off. We soon came to hills of clay. The variety and richness of the flowers was beyond anything I have ever seen or could have understood tho' I had read of it. My heart went up from them towards the world of never fading flowers and those dear ones there.

We passed a herd of great ~~humped~~ camels - also the camels of the other party returning to Sinai. Before reaching the hill with a tomb upon it we turned to the left across the fields to an open field near cemeteries where we encamped. Read & tended to plants till noon - and indeed till 2 1/2. A large & noisy crowd were about the tents continually. After all our horses came soon after noon. Foot Hoyle & I went to the City at 2 1/2. We saw the pillars & gate where seem to be located both exploits of Sampson on the same spot. Then we went thro' Bazaars & streets & out the road to Egypt as far as the remains of an old fort & a number of marble columns. Back thro' the cactus edged roads to the City. We saw blacksmithing, carpentering, shoemaking, weaving, dyeing, &c. & hardly heard any begging. Back to our tents & to the top of the hill where it is said Sampson carried the gates. Had much trouble in settling the matter of bakshish today.

Dismounted from my old white camel with regret. Patted him & he blew his end over me. We have rode on the camels from Suez 56 + 47 + 48 hours = 150 = 450 miles about. Camels eyes first on hind legs then on fore. Hold its head down or strike the neck with foot or a stick & make a gutteral sound & camel drops first on fore knees then on hind then settles. Callous on sternum just back of fore legs on point of fore legs near it & on fore joints & on fore joints of hind legs - just where the weight comes. Carries "a level head." Broad between eyes. Short ears. Continual motion of head. Eating thistles - flitting of rider. Sheikh said kissing our hands.

Gaza to Beit Jibrin

MARCH,

TUESDAY 27.

1877.

Rose at 5 $\frac{1}{2}$ and finished packing. We did not get away till 8. Our Arabes went before. They greatly improved my opinion of them by their pitiful claims for bakhshish & quarrels over it. Still I parted from them with regret & shall never forget many of their kindly faces. It did not seem possible to get all our baggage on the pack animals but it was done and we left at 7.40. We took an S. course & across the fields to the N. there making a detour to avoid a band of Arab warriors on the other side. The country was bright with flowers & well cultivated. Every where the natives were ploughing with oxen or camels or as often with an ox & an ass. About noon we came to a mud village having cactus hedges & large trees about it & many pieces of columns lying around. We halted on the summit of a hill and not far beyond. After staying about half an hour we went on till 5 $\frac{1}{2}$ to Beit Jibrin (Eleutheropolis) making 8 $\frac{1}{4}$ hours & a terrible hard day.

Foot & Hoyle chose their horses, one was reserved for the Dr. & I expected mine would be poor. It was a fair animal & had the best of the saddle except hooks & one English one. The Dr. had a terrible saddle & we rode his horse by turns & let him have a better.

Often during the day a treeless rolling plain green with spring grain stretched in every direction darkened here & there by the shadows of cumulus clouds. An hour or two before camp we came among the hills, stony, ledgy but largely covered with bushes often cultivated. The English party arrived at the same time & camped not far away. Mr. Anderson & Mr. Selwyn called on us in the evening. Many cattle today & black tents of fellahs. Camp under olive

To Hebron -

MARCH,

WEDNESDAY 28.

1877.

We rode after breakfast up on the hills to the south to see some of the caves. At the most extensive & interesting we dismounted but as none of the others wished to explore it we returned & passed on towards Hebron. Our path wound up between the hills of Judea. The ground was green with grass & bright with flowers in the valley. The hills owing to the flatness of the limestone strata were terraced to the top with white steps of stone between & over which grew herbage & bushes. Before noon the rain became very wild & had there only been a brook in the dry bed & trees in scenery could have been more beautiful. While the others slept at lunch I climbed far up the mountain side. Early in the P.M. we began to see springs terraces & cultivation. We passed some ruins. Glimpse of mts. of Moab beyond the Red Sea, Jerusalem Road. All loose stones. Stone walls! Footpath for some distance. Lane to centre of Valley of Eschcol (of some) then to right. Oak of Abraham. Might not pick a leaf! Then to Hebron. Whole Valley filled with vineyards. Fruit trees. Ploughing. Olive orchards. Hebron & great white mosque. Fruits near Quarantine Building. Soon after 4 with Joseph & guide went to the city. Great reservoirs of water. Mosque. Holes on outside of wall where patriarchs buried into which put our hands. Rained to other end. Children spit at us & insulted us in Arabic. At other end S. stepped up on the platform at door. A green turban pushed him off. Great dispute between Joseph, guide & green turban. Other Mahomedans coming out collected. Tried to get the others away. Went up above the Mosque. To look down on it. Green turban followed & was very insulting. Called Joseph kabb, Nazarene &c. Feared Joseph would strike as passed the Mosque again stone thrown against my leg. Went thro' the Bazaar to tents. Joseph went to Governor & complained. Green turban arrested. Governor called & offered to put him in chains for 6 mos. Very obsequious. Two green soldiers set to guard us all night.

Note from Lloyd Lee was here last Sat. & left an order to furnish us with soldiers if needed. Report we were taken by Arabs & murdered.

Hebron to Jerusalem

MARCH,

THURSDAY 29.

1877.

Did not sleep well the last part of the night. Heard the keezin cry nearly an hour. I should think we were up early & off before 7. Hebron was beautiful in the fresh morning. Looked like rain. Road fast - but the road was very stony as far as Bethleham. The air was cool & invigorating. We reached Solomon's Pools soon after 11 & spent some time looking at these wonderful works. Drove to Bethleham. A well cultivated district & an enterprising village - many new nice houses. But near B. I saw many ploughing the rockiest ground I ever saw thus cultivated. Indeed many of the hills were next thing to - all rock. Visited a German Protestant School. Then to the Convent. Took our lunch on the dining room table - to which the Brother perforce added cheese, bread, wine, figs & coffee. Then to the Chapels & Basilica & down to the spot where H. was born where the heazi adored him & the step on which they sat, the place where Joseph was when he was born, where Joseph had his dream & where the infants were slain - all in the same subterranean - semi-cave. The study of former & more revered - & the graves of David & Rachel. A good brother here. En route - drank water from Well of David - saw vale of shepherds & Rachel's tomb, & shortly Jerusalem. Rode slowly. Uninteresting in appearance till near Jebel-us-sabto appearance Middle of P. M. Sky clear in main, Cumulous clouds - Cool breeze on N.W. breeze. Soil whitish & poorer than reddish soil of P. & H. Wonderful valley of Samson. Wonderful City. Mediterranean Hotel. Cleared up. Prof. Merrill. Young party. S. & I together. Mupacher! wrote visited till late. Two letters from home all well. 17 yrs ago today father reached the heavenly Jerusalem.

Jerusalem.

MARCH,

FRIDAY 30.

1877.

Did not get to sleep till after 11 and
awoke at 4 so that I was not well rested.
Took a walk before breakfast through
Christian Street and to the left and so
around to the Hotel. Did some business
this A. M. and ~~visited~~ attended service at
the English Church at 10. Had a brisk
shower to go in - the first shower since
I crossed the Mediterranean - after dinner
S. Foot & I went with Mr. Merrill out thro'
the Via Dolorosa in the rear of the
procession of Muslims to S. Musa to
St. Stephens gate & down to the Hadron &
up to the traditional point of Ascension.
The hill was hard & hot climbing. From the
summit of the Minaret we had a fine view.
Quite clear, Mts. of Moab, Valley of Jordan &
Dead Sea. Green of Jordan bottom. Green
line of waters of Nahr el Yabok, Arzon.
Tops of Paggah. Summits of Olivet &c. Did
not think the City so beautiful as
I anticipated. Spent a long time here viewing
so many points of interest. Visited some new
buildings E. of here but found nothing of
importance there. Also Church of the
Armenian Princess where we said the
Lord's Prayer in many languages. Chapel
where Creed formed. (Thomas Descended into
Hell & rose again) Spot whence H. ascended!
Print of his feet. Back to Bethesda. Beautiful
garden & 8 old olives. Flowers & leaves from
the dead. 20 Jews Wailing Place. For selling
seals. Fur lined caps. Curling locks. Swaying
hands as stones - Robinson's Arch. Great
Stones. One we measured 30 ft. 8 in long -
at 7 attended the Procession at Ch. of Holy
Sepulchre. Joseph & Caravans preceded. Hall &
Arc of a circle. Wedged ourselves into great
crowd. Sermon in Greek. Then slowly bore body of
H. on a cross to another arched recess. Chanting
of monks. Then of boys. Sermons in Turkish(?) Then
an awful jam thro' which by care of J. & Caravans
got up side stairs into a gorgeous chapel.
Pulled & pushed hither & thither, round & round
by soldiers & attendants. Sermons in German &
French. Took body down & wrapped it. Then up
thro' dark passages & stairs to highest gallery far
above another full multitude below. Sermons.
Translations to body. Women in white. Down
to hall of Sepulchre. Visited place of Sepulchre
and when this sermon was over we
got out very weary. Solemnity & earnest-
ness of these masses & doleful

Jerusalem -

APRIL,

SUNDAY 1.

1877.

I went with Dr. Schaff about 7 1/2 to the Ch. of the Holy Sepulchre and witnessed the Greek Services of Palm Sunday. The services were imposing, and the whole scene was one never to be forgotten in its appeal to sight, hearing & even smell. After some time here we looked about the Church & then returned to the Hotel & attended the English service at 10. Heard a sermon of no great interest after the usual long service. S. preached in German at 4 but I did not go nor in the evening. Wrote quite carefully a letter each to Mary & Merrill for them to keep in case I should not reach home again. Read & rested & watched the wonderful scene from the balcony in front of my window - a scene of which I never tire.

Arab Prayer at evening. "O Lord be gracious unto us. In all that we hear or see, in all that we say or do be gracious unto us. Have mercy upon our friends who have passed away before us. Ask pardon of the Great God, I ask pardon at sunset, when every sinner turns to him. Now & forever I ask pardon of God. O Lord cover us from our sins, guard our souls & protect our weaker friends."

At sunrise a similar prayer ending: "O Lord provide for me, them who provide even for the blind heathen." Before sleep: "Lay down my head to rest, and the Lord is my security against remote evil & against present harm." They preface every prayer with the words: "I desire to pray & seek guidance from God: for good & pure prayers come from God alone. Peace be upon our Lord Abraham & our Lord Mohammed."

"Sunday, Walked 6 hours; saw 2 beetles & a crow." In the Pith in the Valley (Wady Birzin). "Q. But what trees in the Valley (Wady Birzin). "Gellah" = Hurry up. Sinai only "mountains" in Ex 32; 12, 1 Ki, 19: 11.

Abu Zura's Horrid Leap. Arabic almost only lang. besides English has a word for home. (Wotan)

E. H. Palmer

Jerusalem

APRIL,

MONDAY 2.

1877.

Had a good sleep & have felt unusually well today. Soon after breakfast with S. I called on Mr. Selwyn & others of the French party. Messrs Selwyn, Burton & others went with us to Mr. Shapira's where we spent some time looking over his collection. In the P.M. I went with Foot on a long walk. We followed the Wall from the Tower of David to the St. Stephen's gate through the South part of the city & inside. Then we followed the Church of the Via Dolorosa to the Holy Sepulchre, finding all the "stations". Thence we went out by the Damascus Gate to Mt. Scopus & along over the mounds of this ridge & over Via Salicci to the St. Stephen's Gate & home. Have given much time today to packing my shells & minerals.

APRIL,

TUESDAY 3.

1877.

Took my boots to be mended this morning and went with Foot and Hoyle to the Church of the Holy Sepulchre. Then we went to the Palestine Museum outside the Jaffa Gate. In the P.M. Foot & I got horses and rode two hours away till we saw the traditional site of the house of Obed-Edom - ruins on the summit of a low rounded hill - and at a distance Shiyath-jarim. Above us was Hasmal (Castellum) and as we descended we had a fine view of Hulanjeh to our left & passed thro' the Wady Hulanjeh where David is said to have fought with Goliath. Reaching the Jaffa Gate we took a turn around the lower pool before we went to the Hotel. Wrote home in the evening.

Plants seen today - in bloom -

Scarlet Poppies & anemones
 Cyclamen, *Linum pubescens*
Poterium spinosum
Syrnium leucographum - *Gladiolus*
Aleppicus - *Iris reticulata* - *Calycotome*
spinosa -

Jerusalem

APRIL,

WEDNESDAY 4.

1877.

at 9 Dr. De Hass the Consul took us to the Tombs of the Kings, and to the Quarries under Jerusalem. We went with Selim his Dragoman into the Church of the Holy Sepulchre I saw 2 tombs in the native rock, 2 more sealed up and a shaft probably leading down to more. Am quite convinced by this & Dr. De Hass's arguments of the probability of this location. Bought seeds &c. at Shapira's in the P. M. after a meeting with Floyd and Joseph to end up our relations. Foot & I went out Lion Gate and to the Lower Silwan Pool & thence to Geddama & the tombs near. We then went to En Rogel, Silwan and Josiah's Mulberry. Thence to the Well of the Virgin & the Tombs of St. James, Zachariah, & Absalom. We also all along examined many caves & openings of underground passages. From these tombs we went up to the Golden Gate & thence back near the Walls to Lion Gate.

First breakfast in Jerusalem. Had milk & honey - "wild honey!"

Cosmopolitan character of Jerusalem. Pilgrims entering music, tom-toms, cymbals, quivering thrill of women - banners dancing. Themselves ragged & dirty, large way-worn old shoes. Bundles on heads - men women & children. Escorted thro' city by soldiers - Bands of pilgrims reaching Jerusalem above.

APRIL,

THURSDAY 5.

1877.

At 8 1/2 our Consul sent his Carross and Selim with a large party of us to the Holy Sepulchre to see the Greek Rite Washing. Got a pretty good place and was there nearly two hours. The services were reading in Greek from John 7 a poor imitation of Christ washing of the disciples feet. Stage in middle of the quadrangle - Patriarch in mitre & robes stiff with gold brocade, 12 bishops in rich robes. Silver pitchers with flowers. Silver bowl. Says aides robes & girds himself. Is not long. With bunch of flowers sprinkles the people with the water as he goes out. Scramble & fight for olive on stand on wall for priest who reads. Olive represented Bethsemane - Went to Shapira's & Vester's with foot. Packed some things in Drs. Valere to send to America.

Mr. P. he went with a party to the Coenaculum - Old wall & scarp in English Cemetery. Went with foot to Bethany. Quite warm today. Read and wrote till bed-time.

Putting his hand to the plough. Am. ploughs don't work.

Burial of young man. Dred up his hands, feet, head. Laid him upon bones & dust of his father - gathered to his fathers.

Till a year or two ago gates of Jerusalem closed every Friday from 12 to 2 - when the Mohammedans at worship. But a single door in the gate may be opened. Mr. Floyd waiting without for a party one day when string of loaded camels arrived. Took load of camels & took them through one by one of their load. Been through them himself. His door to this day called in Arabic "the needles eye."

The first figs which appear before the leaves all fall off and are never used but are called untimely figs.

All the above from Rella Floyd. "Have seen tail of Syrian sheep weighing 18 lbs." "On account of the drought the verdure markedly less than usual."

Jerusalem

APRIL,

FRIDAY 6.

1877.

At

Dr. Schaff, Prof. Mr. Sampson & I drove off with Abraham Merdani as guide, before 8 o'clock. Visited the Tombs of the Judges in passing. Reached Beby Samuels before 10 and spent an hour there enjoying the magnificent view. We could see where the Philistines fled from Gibeon west or northwest into the Wady and to Beth Horon. We drove to Gibeon and through the village & took our lunch near it. Then through olive & fig orchards to Rama - a miserable Arab town with nothing manifest of interest. Hence we passed down & up a long way each till we saw Anata - Anathoth. We went across the shoulder of Gibeon and at last gained the top of Scopus. Here there's fields of lentils & grain to the road & so home. My old white horse was a slow fellow & I uniformly brought up the rear. After our return I did some shopping & wrote & read in the evening -

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APRIL,

SATURDAY 7.

1877.

at 8 o'clock with the Consul and a large party I went to the Mosque of Omar. After looking at a few of the smaller structures without we put on our slippers and entered the Mosque of Omar. The interior has been completed and is very fine. A heavy railing has been put around the rock. Went down below the rock. Then we went to some piles of broken marble. I and another man went down a shaft & passage to the "Sea" an extent of water reaching under the Temple Area some 700 feet stretching off between lofty piers of rock. The water was clear & sweet. We then visited the Mosque of Aksa - saw its elegant marbles & inlaid cedar and those who could passed between the pillars of paradise. Went into the Stables of Solomon & explored these vast halls. The roots of trees (Celtis I think) reached to a vast distance & in many places were threatening down the walls. Looked out at the Corner of the Area and at Mohammed's Judgment Place. Visited the Golden Gate & saw Solomon's Tomb. Went out at the Bab es-Silsil. Here are bronze hinges after the old Jewish style. Diner at 11 & at 12 we went to the Holy Sepulchre. The Consul got us places in the highest Gallery. Here we remained till 2 1/2 - the excitement increasing continually. Crowds below acted like madmen at times clapping their hands & crying rhythmically something which sounded like Jesus Christ Kosanra. Some would stand or walk on the shoulders of others. At 2 the priests came in preceded by bayonets and marched around the Holy Sepulchre about 3 times. Then one of them went to the hole - a passage being cleared after a long expectancy, he drew out a bunch of lighted tapers which were seized by runners & borne to all parts of the building. A thousand or more hundreds & thousands of blazing tapers appeared. The scenes changed & all was confusion.

We soon got away. S. J. & I took our horses & rode out to Bethany and a little beyond. The Consul says one of the sites of priestly germinations of the Greeks is worth 1/4 of a million.

Jerusalem.

APRIL,

SUNDAY 8.

1877.

attended the Eng. Church at 10.
Bishop Gobat preached. His voice was
so indistinct I could not understand
all but it seemed an evangelical
discourse. In the evening I heard
Bishop Harwin of Missouri preach.
A long sermon with considerable
good sturdy thought expressed in
a Methodist way. Read Stanley
and my Bible which felt rich at
my Kottachalugore but by lying
still most of the P.M. it passed over.
Walked on the top of the Hotel &
saw the new tel for the last time
over Jerusalem I suppose.

Distributing Greek Fire so quickly - an
illustration.

Wells in Palestine & scenes at them
Time in the Orient. Day begins still
at Sunset.

Corn = Grain -

Pines in Garden of Armenian
Convent.

Our room in Jerusalem. Dome
- flat in middle, arched on each
of the 4 sides.

Jerusalem to Mar Saba, Broad leaved Lily? &
narrow leaved. White sage & yellow, "Incense
plant" with purple flowers - "Larkspur" - has
white regular flowers & is not this at all.
Sore retum & Cheuopodium roseum & a
yellow flowered retum like, Leg. Statice near
convent & Caper.

Near Dead Sea. Jungle of reeds. Saltwort?
(extending back to upper the hills. Tamarisk
Acacia (Farnesiana?) Cheuopodium roseum
6-8 ft high. Salvia like bush 6ft. or more
Jordan. Acacia (Farnesiana?) Balun of Belad
Tamarisk. Cheuopodium roseum. Reed, Arrow
leaved vine, Matrium vine, Small flowered
willows. Large leaved Lychuis. Emerald.
Common Polygamm of Palestine, Grasses &c.

Mar. Saba.

Library of Jewish Mission at Jerusalem -
APRIL, MONDAY 9, 1877.

Saw Schools at 9. with Dr. Schuff. Jan. 1877.
Rose soon after 5. gave the A. M. to
trying my horse making purchases
and getting ready for our journey.
We had dinner at 11 1/2 and started
at 12 1/2. About an hour later we had
our last view of Jerusalem - Mount
Tian. Passing out of the Jaffa gate the
city was at once out of sight from our
path through the valley of Hinnom.
Far down we went by the black tents of
Bedouins. Girls came running along by
ourselves crying "Kadi? Kadi?" but
not "babeleish" - pretty girls with black
eyes, white teeth, brown sandy faces &
groups of tattoo marks on the forehead, chin
& each side of the nose on the upper lip.
Great flocks of sheep & goats on the
high sterile hills. Ward our Dragoon and
Bedouin guard with a good gun on a
bottailed red horse and a black mare
with a baggage mule composed the party.
Met Deane with some of the French party.
The wilderness of the Wady in which the
Convent is situated was interesting &
the convent itself is like a cluster of
swallows nests in the cliffs. We were shown
the cave, tomb, chapels &c. up & down
stairs back & forth till we were tired. After
much delay waiting of the Patriarch's order
we were permitted to see the library a small
room containing about 500 old volumes many
of them valuable no doubt. Saw a peculiar
kind of grackle - *Agrydnus tristrami* - alluded
to in Murray - black with orange tinted wings.
Saw the pomegranate in blossom for the first.
Reached the Convent at 4. Ward got us a
very good dinner out of what he brought.
The monks never eat meat. Wrote home and
wrote my diary and lay down to sleep
about 8 1/2.

Cats at the Convent yellow & white,
black with ears cropped, black & white
with tail abridged. Quarreling of them -
Pigeons also. Must have pets.

Dead Sea, Jordan, Jericho.

APRIL,

TUESDAY 10.

1877.

The bed was hard but I slept pretty well on the floor. The clock struck the hours in Arabic style & at 2 the chime rang for the morning service & we soon heard the priests intoning the prayers. About 4 1/2 I woke & heard for the first time jackals barking. We rose soon after and had breakfast & started by the first light. Returning to the Kidron we followed it down for a long time. It was cool till nearly 7. We had occasional glimpses of the Sea. Passing down through clay foothills we reached a jungle of reeds, tamarisks, &c. Here we met the Bishop & Hendricks & Sampson & others. 2 Arabs had been killed & 2 robbed of all their clothes lately. The beach of the Sea might be 8 or 10 rods wide, thingle of flint, limestone &c. at high water was a line of much driftwood also on an island near. When we went in we unadvisedly put our heads under. It was more caustic than I expected. Could not swim well face down. Found a species of *Felix* abundant among the driftwood dead. On the mud flats we now crossed were one or two shells - from the overflow of the Jordan I think. Much muddier than I expected. We camped at the usual place of Pilgrims. We ate. Dr. went in. Botanized &c. till 2 then the ladies having gone I & a swarm across. Currents very strong. Landed on Moab at 1 1/2 off and at 4.10 we reached the Inn at Modern Jericho. Saw the spot of Zaccheus' House & a Palm E. of it. Much verdure of ~~Sand~~ *Kubbeh* &c. 5 hours to Dead Sea. 1 1/2 hours to Jordan 1.40 to Jericho. Just before reaching Jericho we passed Wady Kelt or the brook Cherith. The "shrilling" of the toads tonight sounded like that of a spring evening at home. There were many frogs in the brooks & large black *Limnæa* - fine garden back of the Hotel.

Bethel to Robber's Mountain -

Ain el-Harâa wîghî.

Wady Zerka.

APRIL,

WEDNESDAY 11.

1877.

Slept only an hour or 2. Was kept awake by the fleas & by nervousness & by the attacks of some donkeys - playful perhaps in our tents. The goats & cows came down finally. About 2. Foot & I rubbed on sandalwood oil and then I slept a little. We were waked at 4, & got away at 5. Soon came to Elijah's Mountain a rushing brook coming out of a fissure under the hill of old Jericho - of which we saw the ruins & rubbish heaps. When we started we saw a light in one of the caves of Jebel Harâat. The extent & profusion of the vegetation in the oases of Jericho surprised me. We passed another oasis fed by an equally fine spring. Ain Dûk & we saw still a third. A vast extent of wheat thickly scattered with stubble in these oases. Climbed very high. Saw the Wady of the Arnon, Nebo, the region of Hashboun, the valley of the Jabbok, Zilead, &c. On the height of the mountain we passed Cook's private party. Lunched at 10 under an olive & almond & peach orchards of fig & olive & walled fences of red, stony cultivated land. Reached Bethel about 12. Met our party, sent off our letters & looked around. After half an hour or more we went on over some very rough roads but a country highly cultivated with figs & olives. Saw the Rock Rimmon before reaching Bethel & the city called Ephraim (perhaps) after. Camped in good season at the Robber's Mountain. Dr. S. Foot & I were put in a tent with the Am. flag flying. There was a tent for the two ladies & 2 other sleeping tents, a saloon tent & a cook's tent 6 in all. Botanized & straightened out matters.

Plants today. *Lonicera* (yellowish flowered) / *Frax* (long armed, cat-like). *Salix* (large leaves 4-6, greenish). *Clematis*, Purple Scabrous. *Equisetum*, flowers black veined. Shrub with small spatulate leaves (*Euphyasia cotinis*?) f. 4. Yellow daisy - large. *Smilax*, thick l. & similar to *l. Nablos*. Yellow crucifer with flat broad pod, with a long point. Reddish asphodel. Low campanula large f. Labiate large l. red upper part & red f. Purple *Centaurea*, *Asperula*, grayish hair f. *Adonis* large red f. Shrub in wall at Shiloh with foliate leaves & pods like locust. " " " *Serizum* with pinnate leaves, pubescent, ls.

Nabk thorns on walls in Egypt & Syria - or rather the boughs.

To Nablus

APRIL,

THURSDAY 12.

1877.

Rose before 5. Breakfast at 6 & off at 6½. The road was generally good & we galloped much during the forenoon - Passing one fine valley we climbed to the ruins of Shiloh on opposite slopes with a smooth field between. About 10 having reached a watershed we saw Gerizim & Hermon. The valley which we now passed thro' for an hour or two was billowy with waving grain for a large part. The rest was being prepared for or planted with sesame. Was somewhat disappointed in Jacob's well. The mouth was some 10 ft. or more below the surface in a vaulted cellar. We climbed down thro' a hole in its roof & found the mouth of the well closed by a large stone. There an opening at one side & saw something of the well. By dropping pebbles we found there was now no water in it. A round wall encloses the well & considerable ground. Ruins are scattered within. Did not go to Joseph's Tomb. Took dinner under the olives beyond the Barracks on the left. After it most of us climbed Gerizim on foot. It was so smoky we had but a narrow view. I climbed to the top of the Well - saw the flat rock with a cavity at its South side. The various reservoirs and foundations. Returning to the olive we drove to our Camp N. of the W. gate. Two other parties were encamped near. After reading a while Tool and I went through the main street again & to the top of the ash heaps. We saw the ginning & carding of cotton, camel skins were laid in the street to be softened by the travel apparently. This main street was broad light paved with square stones, pretty clean & altogether we thought it better for its long & straight way in Jerusalem. There were fountains of water gushing into stone troughs & one stream with a cusp for drinking on the main street. The size of the ash heaps N. & N. of Nablus was suggestive of vast antiquity. Fine gardens & thick groves were at our feet as we stood on the pile above our camp.

Plants of 13th. Tall spike, small yellow fl. - like
V. Blatteria. Tall spiked Campanella seen
several days. Sycamore trees seen just before
entering Samaria on the left.

To Jerusalem

APRIL,

FRIDAY 13.

1877.

Jim - tom = bell, tin pan & horn at 4 1/2.
Got away at 6 1/2. The mist increased &
we had slight showers till the middle
of the A.M. The road for some distance
followed a generally westerly & N.W. course
along a well watered & cultivated valley
& slope. The telegraph to Jaffa followed its same
way & it seemed pleasant to be riding under it.
The hill of Samaria appeared in two hours
rising in the midst of a valley of olive trees.
- St. Stephens Ch. or its ruins on the right.
We visited the Ch. & tomb of St. John the
Baptist & then wound around the hill to
its summit passing along between rows of
pillars the remains of the Colonnaded St.
which once encompassed the hill. We saw
two lines of partially buried pillars in a
valley on our right as we departed. They
formed a right angle. At about 11 we
stopped under some olives for dinner.
Further on we passed the Downing Meadow &
on our left the strong village of Samsat
once besieged by the Turks as a nest of robbers.
It was high on a hill. Then from high ground
we saw Bethan - a low hill in a beautiful
plain to the left. Many dry wells are still in
that neighborhood. Carmel was dimly seen
beyond. In front was Esdraelon & Gilboa &
little Hermon in the background. It was a
fair view. Crossing another plain & ascending
winding down between the hills we reached
Jerusalem at 4. Read till dinner at 6. Wrote &
tended to plants in the evening. We galloped
much today and as my back & inwards were
sore from yesterday, ride the day was hard
for me. Peter was less used up at night
than I anticipated.

Farring camels!

Nazareth.

APRIL,

SATURDAY 14.

1877.

We were off soon after 7 across the rich and beautiful plain of Esdraelon riding straight towards Gilboa. After about 2 hours we reached the location of Jezreel. A mud village stands there but the mounds of rubbish mark ancient ruins. At a distance to the N. we saw a truncated Mt. the acropolis of Bethshean. Beyond were the Mts. of Zilpad & nearer at the foot of Gilboa was a pond - the spring where Sidon chose the 300. Thither we drove & forced our horses into the pond and up to a grotto in the rocks from which the water comes clear & copious. We all drank after the style of the 300! Masonry retains the great body of the Pond. Thence S.W. to the wretched village of Shunem - ancient Shunem on the S.W. slope of Little Hermon. where there was nothing to delay us & on along the slope. To the S.W. stretch the vast green plain of a rich green with just enough ploughed land for variety. Everywhere they were sowing sesame. A mile or two away was the village where Napoleon fought with the Arabs 3000 against 30000. As we got around the Mt. Zabor came in sight & less wooded than I supposed. We lunched at Nair under an olive in the yard of a Wely. There were many ruins of stone buildings near but the present village is small. We were here from 11 to 12. Then on across the N.E. side of Esdraelon. considerable of which was underlain by trap rock. At length we reached the mountain & climbed up into Galilee. Winding down from the highest point we reached Nazareth about 2 1/2 & our camp just N.E. of the Virgin's Mountain 15 minutes later. The Mountain was crowded with women - few of them "good-looking" as they should be. As 3 we went out with a guide & saw the Ch. & Grotto of the Annunciation. Joseph's Carpenter Shop & a modern one, the place of precipitation back of the Maronite Church. & the Synagogue - was a Greek Church. In the evening wrote & read - fly back & lumps were so sore from poisoning that when my horse started off I often groaned involuntarily especially this P.M. There was much galloping today & when the others went he was ambitious to go also and it was impossible to keep him down all the time to a trot which was much easier for me. Felt very glad to get to Nazareth safely. Hu = he = God. The cry of the Derwishes

Breakfast was about 8 and after it with Mr. Workman I went to the Wely at the summit of the hill west of the city. It was somewhat smoky but we could see all the points of interest mentioned in the books. At 11 we attended an English service in the Ch. which Mr. Bellamy held especially for us. He preached an interesting sermon on "God is merciful to us a sinner." After dinner we called on Dr. Vordan who has charge of a Mission Hospital here. Had a pleasant conversation. When patients come he first reads some scripture with any words of explanation needed, then prays & then prescribes. In the Hospital he has family worship morning & evening & explains the Scripture quite fully. Read & tested the rest of the P.M. It has been cloudy all day & has looked much like rain.

Saw a shepherd tonight leading a large flock of sheep & goats. At Nazareth (I elsewhere) saw a shepherd carrying his or lamb in his bosom. Explain putting hand into the bosom & keeping articles there. The German missionaries here told Dr. S. that he bought a garden on the hill above the present town. In digging he found ruins & concludes that the city once reached higher up the hill. This would escape the risk of precipitation near the Maronite Ch. all the more probable.

Often saw women carrying bunches of pink flag in flower to dry for fuel. Ward said "Sona, Sona" = "Brother, Brother" & placing the two forefingers together - as the English & Arabs or English & Americans. Arabs eat bread, rice, lentils, dura, leban, = milk artificially soured.

Within 5 years the trees on Canyol have greatly decreased & so throughout the country. Government tax on every tree - heavier if they bear. This vineyard near Nazareth now gone because owner could not pay the taxes. Country losing rapidly what trees & bushes it has. Grubbed up by the roots & the latter made into charcoal. Smoke of the pits seen over all the hills where bushes. Light latter rain of this spring in this connection. Mothers sell their grain because early seed. Sycomore fig very rare & the oak as a tree. Above from Rev. Mr. Bellamy, Nazareth. The German missionary at Nazareth bought a garden on the hill, the first year by thorough cultivation he raised enough to pay for it.

The Jews let the corners of their hair grow in obedience to Scripture.

APRIL,

MONDAY 16.

1877.

We rose at 4 1/2 and left soon after 6. The vegetation increased as we approached Tabor and new trees & plants appeared. Noble oaks and wild cypresses rendered the country beautiful. I left my horse and climbed Tabor about 10 miles. The others rose. It was very muddy so that we saw nothing new at a distance except the horns of Hattin & a glimpse of the Dead Sea of Galilee. We went to the Galilee convent where the one monk & his Arabs received us, treated us to chocolate lemonade & showed us the remains of the ancient churches & there were quite fine ilexes & terebinths & large bushes of styrax in flower. This was my first certain determination of the terebinth. On the side of the mountain & all around its base were noble trees of Quercus, acyllops. One on the lower slope had been used for camping under and was really a majestic tree. For miles we passed between thick copses of terebinth, ilex & other shrubs & vines & woods a charming country the most beautiful I have seen in Palestine. We took our morning under one of the last of the Tabor oaks & discussed American politics & investments. Then we rode over three hours up & down over a rolling treeless but cultivated country. We passed near the horns of Hattin & came in sight of the lake & soon after of Tiberias which we had to descend greatly to reach. We passed through the city from north to south & saw that there were many Jews in the place. Our camp was half a mile south the Hodgkins camp & tents flying the Am. & the French flag were near. Our first business was to plunge into the lake. The water was cool & refreshing. Had some time to read up before dinner. Little flies were so thick we could not write in the evening. Sat on the beach & talked and did my work. Bathed again before I retired which was early. There were fireflies about. Not long tapers of loaded camels. Bedouins with lances & guns peasants, darkies hidden under loads of brush.

Plants abundant near Tiberias. Artichokes, lupines, Sespedaya, blue weed, rye grass & oats grass, thistle-like taro, yellow scabious, mustard 6 ft. high, bush prickly with small shining light green leaf.

Plants of Galilee not collected. Rose, Coriander, Wild artichoke, a white clover - horsehound.

General shape of
Horns of Hattin.
(Hollow longer)

Sea of Galilee.

APRIL,

TUESDAY 17.

1877.

Arose about $4\frac{1}{2}$ and took a bath all 3. Wrote & read before breakfast at $7\frac{1}{2}$. After it we sailed in a boat or rather were rowed an hour up the lake past Fiberyas and on. When we landed we took our horses & went on passing Hidgei. Khan Minich, Sabighah and reaching Tell Hume soon after 11. Here were the remains of a very fine stone building said to have been the synagogue of Capernaum. We returned half a mile and lunched. where there were not so many thistles, then went back to our camp at Khan Minich. The whole shore of the lake is fringed with reeds and the muddy tree everywhere abounds. The plain of Semesareth was very luxuriant with weeds of tropical growth. Frequent streams of water intersect it. In some of them trees nests of a sparrow are aggregated into masses & the noise of the birds is deafening. In a tree we examined there was but one egg found. The nests were of green grass and similar material.

The first part of last night was so warm I could not sleep for sometime & sweat without any covering. The wind blew violently at times. It was cooler towards morning. Fresh N.W. breeze through the A.M. in the towards M. than the Sirocco as yesterday P.M. Many waterfowl on the Lake.

In the P.M. I wrote and studied the botany of Palestine. Then I dressed for it & went into the swamp and examined the forest of Papyrus which grew there and the spring of air at the end and the other plants of the jungles. After a while took a bath with Dr. & Mr. Workman. The air was clear & cool tonight. After our evening meal we heard jackals near. Dr. & I climbed the hill here this P.M. Almost everything suits this as the site of Capernaum except the fine ruins at Tell Hume. 1. On the plain of Semesareth. 2. On the road from Dairasous. 3. The remains of the aqueduct bringing water. 4. Tell. 5. Testimony of Willibald. (Bader)

The shores of the lake everywhere today were fringed with reeds. Had a brunch on our table at dinner. The blossoms are larger than the cultivated. Some bushes were 12 or 15 ft high but generally it was low perhaps because the bushes are cut down.

Land of Heron

APRIL,

WEDNESDAY 18.

1877.

This morning we did not start till the baggage train was ready. The path wound ~~westward~~ northward up the hill, with fine views of the Sea of Tabor & Heron. On the height of land Heron was also visible - & Hermon. Here we had our last view of the Sea. At 11 we stopped 2 hours as usual for lunch - under a Nubbi this time. An hour & a half more took us to our camp at Ain Mullaiah. A large stream here comes out in many springs at the foot of the Mt. & flows away to Heron as a broad deep stream with yellow lilies & below with papyrus. Dense jungles surround the pond at the source formed by a dam. Spent most of the P.M. in exploring the botany at the foot of the Mt. & down the stream. Found a ~~small~~ terebinth near with Arab graves under it. There were many clumps of Castor Oil plant in the thicket & presses of maiden hair fern among the rocks - I found green tree frogs. S. got a large crab - not crawfish from the stream. I saw a similar one in the Sea of G. & one was crawling in a tent there. We saw dimly this P.M. the Mts. of Lebanon with snow on their summits. There seems to be little in Heron.

Had great amusement tonight over our performing donkey. His bray is awful! and makes great amusement. Many of the tents of the Arabs are seen around Heron.

Got very tired today. My back does not seem to improve. Hope I shall get to Damascus safely. Then I can end my trip & go by diligence to Beirut if I wish to.

The roadside this morning & patches in the fields were blue with chicory as often in Palestine with *Chrysanthemum*. Found the largest Iris this P.M. - light purple yellow at the base with brownish lines. Yellow Lily in the river - a polypodium was found on the rocks. Much castor oil burnt on the rocks.

Saw 11 yoke of oxen ploughing in a string today - the 19th. Ox-goads

APRIL,

THURSDAY 19.

1877.

We were called at 4 to get the start of the Hodgkins party so as to secure our share of the camping ground at Banias. They had learned our intention & sent off a tent at 2 1/4. Our party then sent on two tents immediately after with Hassan & "Jedideah" and the best guides. We breakfasted at 5 in the open air. It was cold & damp my back being very lame I went with the baggage train today which did not start till 6 1/2. We rode for several hours west of Lake Hula the great plain of Hermon. Groups of Arab tents were visible here & there & large herds of buffalos & common cattle. Many fellahs were ploughing. In one instance 12 yokes of cattle followed each other - usually but 4 or 5. The children all said "good morning" & few called "bakhshish". Was interested in the structure & arrangements of the tents. We passed under & near very majestic terebinths. At length we passed around the upper end of the vast meadow & crossed the Jordan & after a time descended into a wild gorge full of vegetation & crossed the Kasbani on a stone bridge. Some, having eaten my lunch on my horse as we rode, we came near Dan Laish or Tell Kadi & saw the Jordan bursting forth at the foot of the mound & near a fine sycamore & terebinth. Then up among Oaks of Bashan, Syon, Zerebinth & other fine trees & through thickets & over frequent rushing streams till having passed a hill & descended a gentle grade we found our tents under the olives. The party had just lunched here. With Le Marchant I visited the wonderful source of the Banias stream. Then botanized a while & passed thro' the village with its curious boxes of oak boughs about 3 ft. above the roofs for summer sleeping places. At 3 the ladies, Schaff, Cameron, Taylor, Workman & I with 2 guides climbed the mountain to the Castle of Shmbeibeh - a wonderful & extensive ruin at a great height. We climbed over it for an hour, then descended reaching camp just before dark. From the castle we saw the tower of Belfort.

APRIL,

FRIDAY 20.

1877.

Off at 6 1/2 with the party. We climbed the rough roads up the mts. most of the forenoon. Soon after leaving Banias we passed near a cluster of ancient Syrian oaks on our left called by Stanley the best remaining representative of the groves of Ashtar. The trees & bushes gradually thinned till the mountains were quite bare. Saw some Syriac villages. My horse got a shoe off and I had to walk considerable. At Beit Jibr we stopped from 11 till 2 for lunch under some almond trees. Here we were surrounded by the most ill-mannered crowd we have seen. They fairly got on us & gave us no peace. It was not too hot but our noon was not enjoyed. Here a few years since earlier in the month a party was snowed in 3 days.

As we climbed the mountains in the mts. we had fine views of the plain of Hama & the mts. beyond even as far as Hama. But now they were gone forever & from the elevations we rather looked on the Hauran & plain of Damascus. After lunch our way led along rushing gurgling brooks & then across a more level country to Heph. Hlawar - Village of Poplars - a green spot partially encircled by a brook. Rode Hamership's horse this P. M. & heard had mine. The summits of Hama on the left were half covered with snow-drifts. About 9 today we came into a basalt region with an occasional island or cape of conglomerate.

At lunch today a green lizard a foot long darted in terror across the table & then finding a crowd beyond back again. One of the natives proposed to change head rig with me & when declining in a pleasant way he did it by force. I thought it best not to be offended. Many of the girls had jewels in a hole through the right ala of the nose. Guards hired every night who lay down in the lee of a tent & went to sleep. Some advantages still.

Tullahin buty in Hama of mats of cap-tail sometimes with cloth coverings. Doors front E. Mats over a framework of poles. Doors Hama. Horn-bugs laid next wall or on ropes of tent. Good morning from children on every side.

APRIL,

SATURDAY 21.

1877.

Rose at 4 1/2. I waited for the baggage & went with it. By an Arab's carelessness my horse was left alone & went off after the party. They had a long chase & some of the party brought him back to them. Then the careless one wanted bakshish for getting him! He was very lame today & it was tedious riding. I walked much while the way was stony. We were about 8 hours from J^h getting to Damascus. The country was sterile generally. Half way the Jerusalem road comes in & there tradition fixes one spot where Paul was struck down. Further on the right is the place of Jough. At length we entered among the trees & groves of Damascus. Very beautiful they seemed on this, one of our hottest days. Joseph Basil & I hastened on to the Hotel Dimitri & was assigned a room with beds. Our party were out. I read letters from Mother & Mr Austin & got settled for a few days. Did not go out any. Antey is the name of the place of Paul's conviction.

Botany. Acres of yellow spurge around Hermon plain. Majestic terebinths. Leaves unequally pinnate. About 4 ft. shining bluish green. Tree dense spreading. Smarly like white oak. Fine tree as ever saw in some specimens. Dark "presingidal."

Large yellow flowers like Iris near in the marsh. Water plantain also. Wild papayines.

Hasbani valley. Plane trees, Oleanders, Willow, Myrtles, Eucalyptus, Castor oil plant. Sides blue with bud off.

Agave (the hollyhock of the Sea of Galilee) & the large mullein.

Narrow leaved lupine near Hasbani. Gulfs on the high lands of Hermon's slope.

Kassan - a slave-marked negro face. Short stout, broad shouldered. Head & shoulders way back. Ready to work all night & all day. Best mullah. Dignity & grace.

Armenian woman, baby & boy. Returning to Hardin after pilgrimage to Jerusalem. Syrian (or Armenian) kindness of our men to them. Because a Hadji? Mules bells.

Damascus.

APRIL,

SUNDAY 22.

1877.

Spent much of the day in writing a letter to the Sabbath Schools at Brownington & Barton Landing. In the a.m. we looked into the Presbyterian Mission and attended the English Church Service. Afterwards we were shown some of their school-rooms. It sprinkled much as our way home, but the clouds finally passed away leaving it much cooler. Retired quite early.

Spread of Eng. language in East. Cen. Nile, Lake Merom, Jaffa, Jerusalem everywhere. Within a few years also - Estimate a man aside from his clothes. So among Arabs. Soon catch their spirit. Surprised with ridiculous costumes till surprised at nothing. (Magnificent temples of other religions. Sun & things!) Stanley's confounding Sycamores.

M. Augusta Glanville, Catet, French.

St. Germans Cornwall.

Harriot Torke, 62 Eccleston Sq. London.

E. M. Harwin, St. Louis, Mo.

E. R. Hendrix, Box 1148, Kansas City, Mo.

J. R. Sampson, 307 Franklin St, Richmond, Va.

A. G. Foot, 28 Surrey St. Strand, London.

Geo. Lave Reid, 33 Montpelier Crescent, Brighton.

Robert Workman, Glasy, Kinkubbin C' Down, Ireland.

David A. Taylor, Bertha House, Belfast.

J. F. Hammersley, Warren House, Cornub Wood.

Kingston on Thames.

J. S. Le Marchant, Little Risington, Gloucestershire.

Chas. A. Salmon, 22 Ogilvy Place, Arbreath.

M. B. Ward, Jaffa Palestine.

P. Schaff, D.D. 22 Bible House.

Damascus

APRIL,

MONDAY 23.

1877.

Rose at 5 & wrote letters to Mr. Austin and Mother for Pietro Paulicovich to take. At 9 we went to the Great Mosque. It was large but not as fine as those at Jerusalem & Cairo. Saw the tomb of John the Baptist's head - catalogued 10 or 15 ft long! the sarcophagus on which ~~the~~ ^{the} ~~head~~ ^{head} shall descend to judge the world & the tombs of certain of the Prophet's friends. We ascended the Minaret and had a fine view of the City. Then from the Silver Smith's Bazaars we went upon the roofs & by the help of a ladder over them till we reached the old entrance to the Mosque when it was a church. Over it in Greek are still carved the words "Thy Kingdom O Christ, is an everlasting kingdom & thy dominion endureth throughout all generations." Returning our party spent sometime in the Silver Bazaars and in the rooms of a merchant of antiquities. After lunch I went with Joseph nearly through the street called Straight. Saw the House of Judas. Met Bishop Harvin & party & went with them into a Christian house of wealth. The parlor was elegant with marble floor, decorated walls, fountain and elegant furniture. Bought an Arab abba on my way back. At 3 we all rode on our horses through the City by the Public Gardens & the old walls the East Gate the traditional spot of Paul's letting down the tomb of St. George the good Porter who let him out, the house of Naaman, through the East Gate to the house of Ananias & through the Straight Street to the Hotel. The party went on to Mt. Salibigh but my back warned me not to risk a fast ride. Went with Joseph & saw the great plane tree - 16 ft around according to our estimate. Here criminals are still hung. Wrote to till dinner. Had a violent headache in the evening and retired early.

Saw the slave market today. They said there were only two slaves in it. There was a sad looking black woman in her bare cell who turned her back upon us but we

Mr. Ward, a very successful dragoman and guide in Palestine, one of the original Maine colony who settled at Jaffa in Palestine, has recently died in California. 1885.

- Suk Barada

APRIL,

TUESDAY 24.

1877.

Rose at 5 $\frac{1}{2}$ and packed & went with the baggage at 7. For two hours we followed the diligence road through the beautiful valley of the Barada. Then across hills & a plateau through a watered valley to the Barada again. We reached our camping place at 12 $\frac{1}{2}$ on a platform below the road to the right, sheltered by rocks on two sides, a bank on another & with one narrow entrance - an admirable place appearing quarried for a building or such a purpose. At day lunch & climbed a mountain across the road as far as its precipitous summit & botanized most of the P.M. At 5 called on Bishop Harwin & party. Our party arrived about 5 $\frac{1}{2}$. The other party in the evening called on us. Mr. Reid joined us today with another tent and Mr. Joel went in with him. Our camp is at Suk Wady Barada - Abila of the N. 5. (Our camp tonight was in a threshing floor)

Diligence road from Damascus. Smooth hard white way - telegraph wires alongside. Carried over streams on substantial stone & iron bridges. Into the diligence rolling along at a round pace with 3 iron grays. Low yellow coach with canvas top & "company Imperial Ottoman Deputy to Damascus" upon it in French - Embowed in thick trees almost continuously. Rushing copious river of dull green water on side, a brook the other close to the road. Hills falling down banks & rocks often edged with mosses & ferns. Luxuriant undergrowth everywhere.

Trees. Apricot (often large, rich light green) Eng. Walnut. Dig. Willow, Poplar, 2 kinds, Pomegranate, Eleagnus, Ash, Sumach, Plane, Apple, Grape-vine. Hedges of Rubus, Roses, Eleagnus - Hawthorn. Poplars very tall & straight. Houses with roses climbing up their sides luxuriantly. Clusters of white, pink & red flowers. Yellow iris, Scarlet poppies.

- Surghaya -

APRIL,

WEDNESDAY 25.

1877.

"Tim-tom" at 5 1/2 I we left with the baggage at about 7 1/2. While waiting for the camp to move I found old caves just above the road on the other side from the camp (South side) which had apparently been recently torn open to extend a terrace. They were full of concrete of earth gravel & cemented by percolation from above. There were layers of human bones in this rubbish in large quantities. Saw three skulls in shape. Could they have been ancient burying places? Examined the ancient Roman remnant above Suk Barada. We soon turned into the plain of Sebedani which was green, from grain, red from ploughed soil, beautifully chequered. Heron appeared covered with snow - partly new perhaps. Further on there were great orchards groves & villages. We lunched under some old walnuts beyond Sebedani. At 1 we went on again over high hills & a plain an hour and a half to Surghaya where we encamped. The ladies, Fook and I took a stroll up the hills - where we saw a wine or oil-press and had a view of the peaks of Sebanon covered with snow. Attended to my plants & wrote.

Arum in Antilebanon. Inside of sheath black & rough hairy insects or globose base of the spathe. Leaf curiously proliferous. Labiate with large dark green pinnately divided leaves and a thick woolly spike of flowers.

Narrow leaved asphodel & broad leaved 26th Saw a yellow asphodel (Same as reddish one at Herizim?) Saw a Vinca also - Same as near Gaza?

Have seen occasionally a plant of the anan family bearing large heads of pink flowers.

- Baalbec.

APRIL,

THURSDAY 26.

1877.

We were called at 5 & got away at 7. I changed horses with Flammersley at his request. We followed the Barada up a valley with trees & bushes of oak, rose, jessamine &c. Then crossed a high hill & proceeded over a broken country traversed by two deep Wadies. At a village on the edge of the Bekaa we saw a wine press here in the rock - not as good a one as we saw at Surghaya. Soon turning a hill we recognized the ruins of Baalbec. We visited the famous unfinished stone in the quarry - 71 ft long & large in proportion. Passing through the village we reached the temple & passed into an underground passage several hundred ft. long from which we emerged in the midst of the ruins. We dined under the peristyle on the north of the smaller temple. Had leban & Arab bread. The poultry was very sour but I liked it. After dinner I rested till 3 o'clock when our baggage came and I borrowed Baedeker & went through the ruins alone & thoroughly afterwards with Dr. Schaff I visited the Round Temple in the village. The immensity of the stones here & the exquisite delicacy & profusion of carving here surpass anything I ever saw. In the twilight I visited the ruins again and climbed a lofty wall on the west & north where I had a fine view. Swallows had nests about the entablatures of the six columns, reminding me of the words "See the swallow hath found a nest for herself." Sparrows came in through a broken glass while we were worshipping at Nazareth and appeared to have a nest there. By moonlight I walked about the ruins. The night was genial and the orb of night was full. Had some pleasant conversation with Mr. Reid and others.

APRIL,

8 FRIDAY 27.

1877.

Rose at 4 1/2 and saw the sun rise in this place of his worship. It was a grand sight. After breakfast we had our pictures taken before our tents & in the smaller temple. Mr. Reid & I drove on in advance & visited other quarries. Saw how they cut out stones - by cutting the width of a man. We drove down the treeless valley of the Bukai till 12. The road was usually very straight. After following the plain some ways in a straight line it bent & crossed the low land about the Setany & followed higher land on the west of the valley. We lunched in the piazza of a house at Abba and remained here about 3 hours. Then we drove on through a better cultivated country till at Satoro we came upon the diligence road. Thence up the mountain a mile or two to Mekrek, where we camped. All day we saw great numbers of locusts. The wind was westerly but being alarmed in the A.M. they all flew against it down the valley. In the P.M. they flew the other way - i.e. up the valley. The people in some places beat tin pans &c. to keep them out of their land. A vast flock of storks in one place was feeding on them. There were great vineyards & mulberry plantations through all this country. The vines or stalks lay upon the ground or nearly so.

Beirut.

APRIL,

SATURDAY 28.

1877.

We were called at 4 and within an hour Dr. Schaff and I were dressed, had our baggage packed and our "tabernacle was removed" for the last time on this trip. In this tent I have spent a very pleasant month. The beds were particularly good and clean. Breakfast was served here after 5 and before 6 we were off. Our horses were in good spirits and the mountain air was exhilarating to their riders. So we rode rapidly up the wonderful road till ~~Lebanon~~ the fertile Bekaa Antilebanon & Hermon passed out of sight and we saw a dense blue expanse before us in the West & clusters of white specks that we knew were Beirut and the Sea. We pushed rapidly on along the winding road & down the incline passing long lines of baggage waggons and the diligence drawn by three horses & three mules. We stopped less than 4 miles from Beirut at the tomb of the last Pasha of Lebanon & there under an awning we ate our last meal together. Then somewhat refreshed we pushed on at a canter & gallop again till we reached city limits where we moderated our pace and soon were at the Hotel Bellevue. Foot & I took No. 3. together. Dr. Schaff was met by a carriage from Mr. Jessup at the landing place. A note informed us that war between Russia & Turkey had begun. After we were somewhat settled and cleaned up, Foot and I took a walk about the place. Bought some papers & read them. Had a call from Dr. Post late in the evening and he looked over my plants.

Beirut

APRIL,

SUNDAY 29.

1877.

Took a stroll with Foot ~~scout~~
westward along the wild shore,
after breakfast which was at 8.
At 11 I attended service in the
American Church. Bishop Marvin &
the Pastor Mr. Scott attended to the
devotional part and Dr. Schaff preach-
ed upon the growth of Christianity as
illustrated by the parable of the
mustard seed and the leaven. The
services were all too long. It rained
considerably during the P.M. and I did
not go out but tried to spend the time
in a proper way by reading my Bible and
resting. As I did not sleep much last
night from several causes I was very
tired this P.M.

Syrian Protestant College -

Has 25 acres of land.
Meteorological Observations sent
twice daily to Constantinople, London,
& Washington. Better instruments than
I had in Williams College for my
observations in 1860-4 & 1861 -

1500 diff. type required in printing best Arabic Bible.

Beirut.

APRIL,

MONDAY 30.

1877.

Yesterday and last night we had many copious showers which were very much needed. Rose at 6. Took a long walk & rest before breakfast. After it Mr Foot and I went to the Univ. College. Dr. Post seemed as nearly as we could make out the Arabic servants, not at home. We had trouble in finding anyone in the College building - but finally a medical student took us to the museum of minerals & shells and I waited there till Dr. Bliss came. He showed us over the main building, the astronomical & meteorological observatory & the medical college. Saw much to interest me in all these buildings. I also saw Dr. Lewis & told him about the caves at Suck Wady Barada and looked over shells with him. After dinner I went with Foot to various business places & Mr. Hallcock took us over the Arabic Printing Establishment. Spent sometime in labelling my plants. Attended prayers at the Syrian Protestant College. Prof. Lewis officiated. About 100 students were present. They sang for music - the Sicilian Hymn. Our steamer came in about 3 o'clock but does not go till tomorrow. Was busy with a variety of affairs in the evening.

Beirut.

MAY,

TUESDAY 1.

1877.

Did not rise till nearly 7. Did errands and labelled plants till nearly noon. Had calls from Selah Merrill and Dr. Post about mid-day.

The Messagerie Steamer came in last night & a French Corvette yesterday so that the harbor is quite populous. Lunch was at 11 & dinner at 3 1/2. About 10 went to Dr. Post's & he showed me something of his herbarium and work. At 4 1/2 we went off to our steamer - the Esperanza. Workman and I occupy the room furthest forward below in the right. Ward, Pietro, Paulicevich, Joseph & Francis and others came aboard. The Professors and many of the students came to see Dr. Post off. We got away about 6. Watched the beautiful city of Beirut and the Lebanon disappear. Had considerable talk with Dr. Post in the evening and retired pretty early.

Cyprus

MAY,

WEDNESDAY 2.

1877.

The Steamer came to anchor off Larnika Cyprus before I was dressed. After an early lunch I went with Dr. Post and others to the Vesta to see Mrs. Callhoun who is on her way to Beirut. Then Dr. P. and I landed N. of the city and collected plants around to the West side. Not a very interesting flora. The Dr. went to see friends. With "Cobb's Caravan" I visited a Franciscan Church & Monastery and went through the Bazaars. Dr. Schaff and others of us called on the Am. Consul Cernola bro. of the Zev. who showed us some of the antiquities and gave us each a small lamp. The rest were tired of waiting for us and went off to the Steamer. Aguilera got us a boat however. The sea was quite rough. We ran into a loaded sail boat on the way. The collision was oblique or it might have been a serious matter. After breakfast I worked upon my plants considerable of the P. M. In the evening I wrote home. We started about 6.

At Sea

MAY,

THURSDAY 3.

1877.

Rose at 5. The end of Cyprus was in view still but soon disappeared. Spent the forenoon till nearly ten the ~~dinner~~ breakfast hour. Upon my plate after that the sea was so rough I did little. Had some nausea. At 6 the mountains & high lands of a promontory of Lycia were in view amidst the clouds. Several doves being around us through the day exhausted & delighting occasionally. The officers cruelly shot several. I retired early.

Rhodes & the Aegean -

MAY,

FRIDAY 4.

1877.

On account of the head wind since we left Cyprus we did not reach Rhodes till 8. The Capt. gave us till 10 to be ashore. Dr. Poole & I took a guide and went to the right at the gate & around the walls, to a western gate, down the main street noticing the heraldic bearings carved in the walls all along. We had good success in collecting plants. Through the rest of the day we were passing between the islands of the Aegean Sea. The mountains grew less rocky and bare as we went on but their tops & precipices were often quite wild and picturesque. In the P. M. some dolphins appeared leaping out of the water after one another at regular intervals. We could see them under the water. They approached the ship obliquely going the same way. When they got very near they suddenly disappeared. We saw Patmos with a convent on one of its summits, shortly before sunset - so the Capt. said.

- Smyrna

MAY,

SATURDAY 5.

1877.

Awoke before 6 and found the vessel lying at Scios. Rose in time to see the town & suburbs lying along the declivity of the mountain side. Worked on my plants till 9. The steamer was then in the Gulf of Smyrna which was smooth and delightful. The country grew richer and pleasanter as we advanced to the suburbs of Smyrna. We got in at 12 1/2. The Capt. said we should leave at 6 & could not have time to go to Ephesus. Afterward when it was too late he changed his mind. Dr. Post & I got a guide and went off South upon the hill botanizing. We got into a deep gorge, climbed to the mouth of an old aqueduct, & went into a cemetery where there were cypresses & large treebirches. Then we wandered to the top of the hill & along it to the castle where Poly carp was murdered, enjoying fine views of the city & bay on one side & of a fine valley & the R.R. to Ephesus on the other. Thence we went down to the S.E. part of the city. Saw a train of cars the first Dr. Post had seen for ten years & for two or three months. Went through the Christian quarter & into some of the Bazaar Sts. and reached the vessel at 4 1/2. Spent the rest of the day socially and in arranging my plants, writing, &c.

Mitylene.

MAY,

SUNDAY 6.

1877.

We left Smyrna early this morning and about 11 $\frac{1}{2}$ anchored off the town of Mitylene. At about the same time on the invitation of Dr. Post one of the English clergymen read the Episcopal service. They did not give us a sermon. At the close of worship nearly all the English and Americans went ashore. I remained to read, write and have a quiet time. Mitylene was beautiful in appearance, surrounded consisting of white houses, with red tile roofs and often green shutters & embowered in trees. Orchards covered the slopes of the mountains. They took on board like hundreds of casks of wine. About 9 $\frac{1}{2}$ in the evening we started again.

MAY,

MONDAY 7.

1877.

When I rose we were just leaving Tenedos a small city at the foot of treeless hills. We soon saw on the other side the plain of ancient Troy and not long after we passed into the Dardanelles between two old forts. About 10 we stopped at Dardanelles City between the Castles of Europe and Asia. Here we remained some two hours. A little further on we saw where Lord Byron swam the Hellespont and the house in which he is said to have resided. Somewhere here Laender used to cross in the same way and Xerxes constructed his Bridge of Boats. The shore on the European side of this strait is usually a high bluff of clay or gravel broken by occasional grassy valleys or land locked fields. On the other side the shore is lower and more grassy. The country appears fertile and tolerably well cultivated but is too free from rock to be wild or specially interesting.

We have left far behind, mud roofs, Arabic speech, and Babilish. The Turks do not appear as "smart" as the Arabs. The physiognomy of the Smyrniotes was very European but on most of these islands it is decidedly Greek. At 2 we reached Gallipoli at the mouth of the Hellespont where we remained till 4 1/2. An uninteresting city with clapboarded houses brown with age. It was quite smoky on the Sea of Marmora and Bosphorus. We saw porpoises again showing their backs at intervals.

Constantinople

MAY,

TUESDAY 8.

1877.

Rose at 5 and saw the approach to Constantinople - fully up to the descriptions. We portened alongside the other Lloyds in the stream and watched the passing steamers & life & all the movement of this busy harbor - the mouth of the Golden Horn till our boats were ready. We had to have trunks & some of the luggage examined. Henry pulled open the end of my bundle but opened nothing else of mine. We of Cook's Party were not asked for passports or even our cards. Porters took our luggage on their backs and we climbed the hill & found our way to the Hotel du Luxembourg. Dr. Schaff and I were given Room 25. After breakfast we took horses & crossed the bridge & drove to the gate of the Sublime Porte. Hence we went across the hill by the Ministry of War & off through the Greek & Armenian Quarters thro' acres of old wooden houses to the Seven Towers. Hence outside the walls & along the road northwards. Groves of very fine old cypresses were on the left & fine cerebuntias and huckleberries abounded on the right under the ramparts. Our party here could not avoid the temptation to a gallop & several nearly came to grief. We had excellent horses & saddles. I cited mine much. After driving perhaps two miles along this road we drove thro' the city to the head of Pera St. Went to a restaurant for lunch & afterwards saw the service of the Dancing Dervishes. Then we went to the River in the underground R.R. and across to the Bazaars where we spent some two hours not very pleasantly to me. I am sick of Bazaars. Found Faraway Hovos & spent a long time in his shop. Returned by the Underground R.R. to the Hotel. Dr. Post called in the evening.

MAY,

WEDNESDAY 9.

1877.

We went soon after 9 this morning to the Galata Fire Tower from which we had a very fine view. Then we crossed the upper bridge and climbed the hill in the hot sun to the Mosque of Süleyman the Magnificent which we visited. We then crossed through the grounds of the Ministry of War and saw the Pigeons in the Pigeon Mosque. Then we entered the Mosque of Sultan Ahmed, saw the 100 Columns on the Cemetery of Constantine the Column of Constantine & the obelisk from Heliopolis & the pillar of 3 serpents were then visited & the Museum of the Janizaries. The Mosque of Saint Sophia finished our forenoon. Here we saw quite plainly the head of the Virgin and many crosses. We went into the gallery and altogether spent much time here. We had a wretched place for lunch but were so tired it was good to rest. I had quite a spell of rheumatic lameness in my left knee this forenoon. (We also visited the Armoury in the Church of St. Irene on the Seraglio's grounds. Here we saw a vast supply of weapons of war of fine pattern. They were largely manufactured by the Providence Tool Co. Providence R.I.) After lunch some of us went to the Bible House & attended a meeting of the Bulgarian Mission. Mr. Beard preached. Afterward Mr. ~~Edwin~~ Edwin Bliss & Mr. — administered the Communion. We were invited to say a word. Dr. Schaff & Bishop Doane spoke & I introduced myself having been a Bishop also. After the meeting I had an opportunity to take the hand of many of the missionaries. After we had been shown over the building I went to the boat with Mr. Edwin Bliss & crossed to Scutari & went home with him. Other missionaries accompanied us. After presenting me to his wife Dr. Bliss showed me the house from which he looked to cellar. Very clean & homelike & American it was. The yard was laid out handsomely and filled with beautiful trees & flowers. Mrs. Bowker's picture & climbing fern adorned the walls of the parlor. After a charming N.E. supper I went with Dr. Bliss to a prayer-meeting in the parlor of the home. Mr. Workman was present also. We had a good meeting. Met Mrs. Williams, Mrs. Parson, a Colayist & Mrs. Thompson whose father came from Bristol & was formerly Mayor of New Haven. Met also Dr. Woods, Mr. Pettibone, & others.

Constantinople.

MAY,

THURSDAY 10.

1877.

Soon after daybreak there was a heavy thunder shower with hail & there continued to be rain at intervals till noon. After a pleasant morning I left Mrs. Bliss & her home & with her husband walked to the boat. A pleasant sail across the Bosphorus brought us to the Bridge where we waited in the rain a little while till our party arrived when I went on board the steamer that left at 9 to go up the Bosphorus. In spite of frequent showers and the cold wind I enjoyed the sail exceedingly. Our boat kept along the European shore which is the most interesting. Palaces, gardens, cultivated bluffs and valleys, fortified points, tents of soldiers, fleets of steamers and sailing vessels & finally a distant view of the Black Sea gave variety & beauty to the scene. After our return trip began we were summoned to the cabin for a lunch. I left the party at Bebe and with a little trouble found my way to the College. I found young Mr. Thompson in the office and he took me to Dr. Washburn, temporarily the President. Had a pleasant visit with him & then with Prof. Long & Mr. Savage. Prof. Long spent some time in showing me the Laboratories and Museum. I looked from the top of the building upon its magnificent view, saw the dormitories & heard recitations in Andrews Latin Reader & Roman History to Prof. Groveroz. Afterwards with him I saw the beautiful grounds of the College. Mr. Byington's son accompanied me to his father's house in Bebe where I had a cordial reception from Mrs. B. & her husband on his return. Attended a Prayer meeting at a neighbor's. Mr. Green conducted it and Dr. Thompson was present & Mr. Salmon also. Mr. Byington's oldest daughter is at Mr. Helyoke at home they have a son in the College, Lizzie and Roderick - 4 years old yesterday. John the son of Mr. Richards an other Bulgarian Missionary boards with them, and Mr. Dimitrie a Bulgarian assistant and a graduate of Robert College. The Morning Star which Mr. B. edits has a circulation subscription list of 3000 & is proving a great success.

MAY,

FRIDAY 11.

1877.

The bright sunlight pouring through my open windows awoke me early from refreshing rest. With Mr. Byington I left my pleasant stopping place and at 8 took the steamer for the City. Mr. B. & other missionaries preferred the cabin. With a Bulgarian missionary I remained on deck to the City. Received some interesting information from him concerning the use of wine & tobacco in the East. After reaching the Hotel Dr. Schaff had & calls in our room from Mr. Schuyler the Am. Consul General & Horace Maynard the Am. Ambassador in the pleasure of which I shared. With the other American I was invited to Mr. Schuyler's to dinner. I had so much to do that I thought best to decline. Packed and wrote till about 11. Then we took our carriages & drove to the entrance of the Palace near the Bosphorus to see the Sultan go to the Mosque. We alighted & crossed to the South of the lines & waited nearly an hour. The road was watered & all paper & litter taken away. Towards one the bugle sounded & the soldiers formed into lines two deep on either side & officers behind. Spectators were not allowed to press upon the soldiers. Then at other signals, bayonets were fixed, swords drawn & arms presented. The band at the gate began to play and the body guard were seen advancing dressed in brilliant uniforms. Behind them came Sultan Mahmud on a white horse large & fine, caparisoned in gold. The Sultan is a small thin man, somewhat round shouldered with a thin face. He looked spiritless & sad - kindly & not sensual but not a man of power. He merely sat on his horse & mechanically looked on either side & saluted the people after the Turkish manner. There were a few feeble cheers. Several elegant saddle horses unoccupied were led after him. Four executioners with axes & black aprons followed & other officers. Then back to the Hotel. After breakfast I gladly left this wretched Hotel & started for the Bible House. On Pera St. I bought a straw hat & left my old black one behind. Took my plants, an umbrella &c. to the Bible House, and bade the missionary friends good-bye. Mr. Williams - son of Mr. Williams a Missionary Contractor of Jamaica & a minister - himself the purchaser for the Am. Board at Constantinople went out with me and brought for me two fies. Recrossed the bridge and got a Caïque to take me on board. With boat & workman I had the first cabin on the right up stairs. But Aquilina gave me No. 29 - the sofa to sleep on - which I did not like. About 5 1/2 we were off and beautiful Constantinople was soon disappearing. Dinner was at 6 1/2 & after it I could only guess the position of the City. Wrote in the evening till 10.

Constantinople -

MAY,

SATURDAY 12.

1877.

Mr. Workman has a touch of fever and did not sleep well. I had a good rest. When I rose at 6 we were in the Dardanelles & about 7 we passed between the Castles of Europe & Asia. We had an excellent view of the supposed site of Troy and the country thereabouts for we passed between Tenedos & the mainland. The steamer was so heavily laden as to be steady, the sea was smooth & the day clearing. We saw many dolphins in the Dardanelles. After leaving the Straits we had a fine view of the Plain of Troy. We passed between Tenedos and the mainland then went outside of Mitylene and though the day was calm & beautiful the other islands were mostly at a distance & there was little to see. Read & wrote pretty busily.

MAY,

SUNDAY 13.

1877.

We reached Syra at 2 o'clock and had to get up at 4 1/2 and leave the Espero for the Wien the Athens Steamer at 6. That did not start till 8. The Espero left at 7 1/2. On the latter we got a bite but we did not get a full meal till 10 o'clock. The city of Syra built on three conical hills rising from the water has a very singular appearance. The houses appear to be made of stone & look new & neat. The place appeared thrifty but there were few trees or even green shutters to relieve the general white of the city. Some red tile roofs showed themselves however. The island generally seemed treeless and so were the shores which we passed through the day till near the Piræus we saw some pines & other trees. At 11 1/2 we had the English service followed by a long exposition of the Parable of the Pounds by Bishop Maron which I was too sleepy to enjoy. After it I lay in my berth for two hours but did not sleep much. Dinner was at 4 1/2. At 5 we reached the very fine harbor of the Piræus, and at 5 1/2 we were taken ashore. After being rowed to the Custom House for a nominal landing we we carried to a wharf nearer the Station, whither we soon went and at about 6 1/4 we were whisked away towards Athens - my first ride on the cars since I left Smyrna. At first the plain through which we passed was bare, then it was covered with vineyards, olive orchards, lots under vegetable, & land from which the barley had been cut. It was evident that irrigation was everywhere employed. Omnibuses at Athens took us to the Grand Hotel des Etrangers. De Schaff and I were assigned a very eligible room - No. 9 - the second story corner room with a balcony fronting on the Public Square. Read & rested till early bed-time.

MAY,

MONDAY 14.

1877.

About 9 we rode to the National Museum in which we saw a rather meagre collection of antiquities, the most interesting being groups from gravestones in which the one about to die was represented as sitting while others were standing around. Thence we went to the Stadium where we dismissed our carriages. Thence we walked down the ~~Acropolis~~ Elissus stopping for a few moments at a restaurant to the Temple of Jupiter Olympus and the Gate of Hadrian. We went also to the chorege monument of Lysicrates & the Theatre of Bacchus. This completed the A.M. In the P.M. we started out about 4 and went to the Acropolis where we spent a long time. Thence we went to Mars Hill. On the way home we saw the Temple of the Winds, an ancient Clepsydra also. Rested in the evening.

We went out at 9½ visiting again the Odeon and then the Prison of Socrates the Ouzy, the Temple of Theseus the ancient Cemetery and the remains of the Temple of Minerva. With Dr. S. & Bishop Marvin in the P.M. I called on Gen. Reid the Am. Minister and on Dr. Hill. Mr. Sakellarios, Mr. Leyburn & Mrs. Philhart. We saw some of the schools at the latter. One of the scholars recited in Zoology Mrs. F. showing them Prang's Picture of the cat and questioning them. They sang in Greek "Ground the throne of God in heaven" and in Greek & also in English "I want to be an Angel." Mr. Constantine who joined us at Dr. Hill's then took us into the Gardens of the palace where we spent sometime. In the evening, Gen. Reid & Mr. Leyburn called.

Missions in Athens:-

- Dr. Hill came in 1830 soon after the independence (Not a house standing then. Some 500 inhabitants. Now 60,000.) Dr. Hill nearly established schools not giving religious instruction beyond what was acceptable to the Greeks. In their Mission School (Grec.) they now have 600 pupils. Supt. of them Mrs. Muir a Free Pres. of Scotland. A niece of Dr. H. has a school for young ladies of about 140 pupils.
2. Southern Pres. Mission. Mr. Halopothakes and Mr. Leyburn. Publish Star of the East & a Child's Paper. Bible Work of the 2 Bible Soc. & their Depot.
 3. Union Women's Miss. Soc. (Mission Link.) School of Mrs. Philhart & Miss Leyburn (Over 100 pupils.)
 4. Geo. Constantine came here in 1863 under Am. & Foreigner Soc. Union. Since supported by college friends & Faculty & Ch. of Amherst, Mass. Con. g. of 30-40. 4 communicants, S.S. of 25. Semi-monthly paper "The Athenian" 2500 subs. Supports itself this 2nd year.
 5. Baptist Mission. of Am. Bapt. Union. Mr. Sakellarios.
 6. Eng. Chapel of English Legation Rev. D'Arcy.
 7. German Lutheran in the Palace. Chaplain supported by the King. Attended by all the Germans.
 8. Prussian Govt supports a school for German children.

Economy of Royal Household. Formerly policy of Greece to show so little could not suppress banditti or improve. Now policy to show how much she can make of herself.

Our party at 7 started for Eleusis. Our road lay through the Pass of Daphne where we visited the church standing on the site of the old Temple of ~~Apollon~~ Apollo. Descending we drove along the shore of the Gulf of Salamis and across the plain to our destination. The remains of the temple of Ceres are very extensive. Spent nearly an hour there. In returning we took another road across the Valley of the Cephissus and visited the site of Plato's Academy now enclosed in the grounds of a house. A few bits of sculpture stuck in some mud walls are all that remain of this interesting spot.

In the P.M. Bishop Marvin & I called on Mr. Constantine who took us to a Museum in which we saw many interesting antiquities. The Museum of the Archaeological Soc. it was I believe. Read & wrote the rest of the day retiring early.

Plants of Greece.

The ordinary fruit trees of the Levant. Mulberry white & red. Locusts or allied trees of at least two kinds. A *Gleditschia*, Blue Gum. *Broussonetia*. Pines (*Austriaca*?) *Cilanthus*. *Elaeagnus*. Plane, Cypress.

Vitis, *agrus-castus*, *Lycium*, *Statice*, Poppy, *Mistle*, yellow & purple, *Narcissa cotula*, *Ulex*, *Cecur*, *Opuntia*, *Burnet spinous* & *herbaceous*, *Rosa*, *Carob*, *Ilex*, *Bay*, *Pepper tree*, *Jessamine*, *Acacias*.

At. Ponteficus. *Rhus Cotinus*, *Arbutus*.

two sp., *Pistacia lentiscus* & *la*, *Hypericum*, *Erica*, *Juniperus*, *Oleander*, *Cistus*, Large yellow? small yellow, pink, (smaller & paler pink, more pubescent leaf sp?) white *Helianthemum* yellow, pink? yellow with dark base of petals. *Hypericum*, *Potentilla*, *Campanulas* & *Centaureas*.

MAY,

THURSDAY 17.

1877.

We were called soon after 4 and at 5 $\frac{1}{2}$ we started for Pentelicus. The country through which we rode seemed more fertile and less parched than that towards Eleusis. There was much wheat standing stiff. As we began to climb the slopes we found quite a varied and vigorous vegetation of shrubs many of which were in flower. We left our carriages at the convent where there was a grove of the largest silver poplars I have seen. Nearly two hours were occupied in climbing the Mt. The beauty of the pink, white and yellow cistus flowers was remarkable. There were many other interesting plants so that the mountain sides were a sort of Botanical paradise. Miltiades rode up; the rest walked. I saw two shepherds with crooks watching their flocks near the top. The view from the summit was extensive and grand. Mountains and portions of the sea were visible in every direction except at our feet where were the plains of Attica on one side & of Marathon on the other. Mt. Citheron, Paruassus, Parnes and others were in sight. A snow-capped one to the North in Euboea was interesting. We saw the heights of Corinthe also. Miltiades told us the story of Marathon and of the capture & murder of the English party by brigands a few years ago. Descending we lunched under the poplars at the convent and after a short rest drove rapidly back to Athens. The day was cloudy & cool & every way favorable to our Expedition. Found that the Dr & I had been moved into the adjoining room to suit the convenience of a new party. Attended to a large bag of plants and rested.

MAY,

FRIDAY 18.

1877.

Took a stroll this morning to the Stadium. Did some errands. At about 10 the King's chaplain - Mr. Peterson called and took a party of us to the Palace. We were shown the library which Mr. P. had put in systematic order and both the Greek & Lutheran Chapels. We also saw the State rooms for receptions, balls, dining &c. The Palace is very plain but large & roomy. In the P.M. Mr. Constantine took us to the Library of the University & then to see the Mycene discoveries of Dr. Schumann - a large & wonderful display of articles of gold. Mr. C. then took us to the Acropolis and spent some two or three hours in explaining to us its wonders and the ruins on its bases. Bishop Marvin, Dr. Schaff & I by invitation went to Mrs. Halopothakes' to tea (Her husband is in London). We met most of the other missionaries there, including Mr. & Mrs. Peterson and two Greek evangelists. After a pleasant evening's conversation we sang some of the Greek hymns and Dr. Schaff read Scripture & led in prayer.

Syra.

MAY,

SATURDAY 19.

1877.

We were called at 4½ and at 6 were
off by carriage to the Piræus. Our boat
left at 9. We had a very pleasant sail.
Read Childs Harold, the Guide Books and
rested. The ship reached Syra about 6. Some
went ashore but it was so nearly dark
I did not go.

Syra

page 2

MAY,

SUNDAY 20.

1877.

The other steamer did not get in till early in the morning. So we had a good night's rest though we were called much earlier than we need have been. We did not leave the Wien till nearly 8. The Aurora did not get away till 11. We had no religious service. As all the party except 3 of us were English Episcopalians we did not feel like proposing a religious meeting and they said nothing to us. I read Longfellow's V. E. Tragedies during the P. M. & evening and altogether had a pleasant & profitable day. It was quite rough and after leaving Syra we passed near no islands. We saw Peros and others at a distance.

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Ionian Islands.

MAY,

MONDAY 21.

1877.

There were 4 in our cabin and we were uncomfortably crowded. Rose in good season and found we were off the S.W. Cape of the Peloponnese having passed Cape Matapan before light. We sailed inside some small islands and about 8 o'clock ran by the old Venetian fortlets of Modone and then the Bay & Town of Navarino. There was a heavy roll the rest of the A.M. but the strong wind of yesterday was absent. Wrote Mr. Cope and folks at home in the A.M. About 2 we reached Zante and for several hours ran under its interesting shores. Then about 6 we reached Ithaca having Cephalonia already abreast on the left. Ithaca was covered with bushes & in some places there were orchards, vineyards, fields of grain & small hamlets. Two good roads ran up the mountain shore at a gentle slope. Most of its 13000 inhabitants must be on the other side of the island. As we left these islands behind & Santa Maura on the right the sun sank into the shoreless sea on the left and it was night. During the P.M. I read *Childe Harold*. Retired early.

The city of Zante as we saw it this P.M. was beautiful.

Corfu

MAY,

TUESDAY 22.

1877.

We reached Corfu at 4 and I
arose soon after. Before 6.10 of us
went ashore & took a ride to the one
gun and back another way. The
vegetation of the island was up at
its best. Everywhere roses and other
flowers abounded in profusion and a
wealth of wild flowers adorned the
thickets & sward. The air was
heavy with perfume. We were back
soon after 7 and started at 8. We
left letters at Corfu.

The channel runs round the
Island on one side & the Acrocerau-
ron Mts of Albania on the other.
The shores were often very densely
covered with a variety of green
bushes & I longed to land.

Read much during the day.

Adriatic.

MAY,

WEDNESDAY 23.

1877.

The coast of Dalmatia appeared in the distance this morning and itself & its islands was in plain view on the right all day. The country was ordinarily barren. The mountain tops were covered with cumulus clouds which lay in dense masses over the land. The rest of the sky was clear or overspread only by some cirrus clouds. For the most part the sea was glassy and broken seldom even by a distant sail. I finished Childe Harold and read much in a book on the history of Palestine. Also drew up a mild commendation of Aquilino and got signatures.

MAY,

THURSDAY 24.

1877.

Rose early and found we were still at some distance from Trieste. Land finally appeared ahead & we drew near to the right hand shore which was rolling and green with trees & cultivation. Many villages & cities appeared & castles & fortresses and at last Miramar & Trieste. We reached anchorage soon after 9. The shipping was dressed in flags in honor of a visit of the National Legislature.

After long delay our luggage was passed thro' the officers & opened as it was not going to land. We were rowed to the steamer Trieste on which we were to sail to Venice. Went to the Hotel de la Ville & had dinner and read the Papers. About 2 Dr. S. Mr. Foot and Misses Blauville & Forke with myself drove to Miramar. We were shown thro' the elegant palace & spent a long time upon the beautiful grounds which art & nature have combined to adorn - too beautiful a home for Maximilian & Carlotta to be permitted to enjoy. After our return we explored the city of Trieste enterprising, clean Paris-like. The number of bookstores was praise. I went on board the steamer early. Salvendy & I took the 2nd cabin - The killing of a 1st class passenger on the Aurora soon after we left by an accident saddened us -

Trieste. Locust, *Rhus cotinus*. Locust, Large yellow papilion. Mulberry. Vine, *Broussonetia*. Gardens. *Daphne odora*? Bay, Laurel, Roses, *Coniferae*, *Nymphaea odorata*? *Nuphar*, Yellow iris, *Laurestinus*, *lavendula*, *Helia*, *Magnolia*. Willk. "English flower", Sticky Palestine Plant? Lentisk.

Venice.

MAY,

FRIDAY 25.

1877.

The boat was greatly crowded & the noise and confusion in our cabin kept us awake much of the night. Went on deck early & found it raining. Venice was ahead & cypress or sails along the right horizon. The lagoons now stretched their arms around us & we kept to the right till we bent to the left into the Grand Canal. Long delay for a little custom house examination. Then in gondolas to the Hotel Victoria. Breakfast & we went out. It was raining hard at times. But we wandered under the colonades of the grand Piazza and finally saw St. Marks & the dual. Palace with all its acres of paintings by Paul Veronese and Titian & other great masters. The Bridge of Sighs & the dungeons of the Prison impressed me much, and the great hall of assembly with its large & valuable library, the great picture of Paradise by Tintoretto and the fringe of the librerias of 76 Doves must not be forgotten. After dinner at a Caffe we ascended the Campanile & spent some time viewing the strange panorama. Then we saw the Bridge of Sighs from the Molo and spent some two or three hours in sailing up the Grand Canal to the R.R. Station & back to the Rialto. Thus we saw this wonderful water highway & all its Palaces, Markets & life. Walked from the Rialto to our Hotel. In the evening Dr. S. & I walked on the Piazza, listening to a fine band of 35 pieces, watching the crowds, looking at the jewelry, photographs, alabaster work &c. To conclude we saw the Grand Canal, Bridge of Sighs & all by the light of the full moon. The rain ended at once & Venice was in her clearest & most beautiful array, a wonderfully charming & picturesque city.

Venice to Verona. Locust *Ailanthus*.
Eucalyptus (everywhere in pots & gardens).
 Vines festooned on mulberry trees. Wheat.
 In it poppies, purple centaureas & cockle-
 English daisies, Dandelions, Hawkweed, a purple
 sage. Alders along the R.R. ditch - a very
 white willow also. Oxeye daisies, patches of flax
 just ending its bloom. Reeds. Yellow *cy* iris.
 Beginning to make hay.
 Verona. *Cupressus horizontalis* 400-500 yrs old.
C. sempervirens (one specimen) 40 metres tall.

MAY,

SATURDAY 26.

1877.

We were up early & getting ready for departure at 7.40. Here we left many companions of travel. From foot we parted with much regret. Misses Glauville & Forke were not up but sent us their farewells. We left Mr. Burt & his daughters. A goldola took us to the Station & Taylor, Dr. S. and I had a 2nd Class compartment to ourselves.

Over the lagoons we sped to the level valley of the Adige which was in the full verdure of early summer, the grain yet green, the grass ready for the scythe, the grape-vines festooning the long rows of mulberries with green - poppies & centaureas decked the grainy fields with scarlet & purple, & yellow dandelions & white daisies everywhere. Through Padua & Vicenza to Verona which we reached about 11^h after dinner at the Buffet we took a carriage for the P.M. We visited the old Church of St. Anastasia, the Cathedral & the Amphitheatre in which we were much interested. Hence we saw buildings & localities connected with Romeo & Juliet. Before the handsome Palace of the Council was a statue of Dante & upon it those of Nepos, Catullus, Vitruvius, Pliny & other eminent Veroneseans. We saw the tomb of the Scaligers, with the ladder (scala) on the bank & iron everywhere. While Mr. Taylor was in the Museum we rode outside, half-way round the city. Then we spent sometime in the Public Gardens whence we had a fine view.

Here was a *Cupressus horizontalis* 400 - 500 yrs old & a "temper virens" 40 metre high. After waiting a while at the Station & getting supper we left at 5^{1/2}. Crossed the Adige, the R.R. rose above the vasty long fields, rows of trees, and patches of grain corn, lupines, globe. Peschiera & its extensive fortifications was soon reached. Here we crossed the Mincio & reached Lake Garda Solferino 5 miles to the left. All this country fought over. Pieriusula in lake where Catullus wrote his odes. Tower of the Scaliger Brescia. Bergamo. Milan. Hotel Royal abt 12. As it grew dark our compartment filled up & a disorderly woman kept me awake. Battle of Solferino June 24, 1859. Line of fight 15 miles long.

Milan.

MAY,

SUNDAY 27.

1877.

Our beds were good and we slept till 8 o'clock. In my last nap after sunrise I dreamt I was in Phebe's house and found Merrill in my bed with the contents of a work basket - needles, scissors &c scattered around. Merrill was much larger & stronger but could not stand alone! I blamed Phebe for not giving me more to eat. After breakfast with Dr. S. & Taylor I took a walk to the Cathedral and thro' the Victor Emmanuel Arcade and to the statue of Leonardo da Vinci. We attended the service of the English Church at 11. There was a very full room.

Saw a woman in the street near the old great Cathedral with bibles and evangelical tracts for sale on her table. She was a Waldensian. The Dr. heard some one say - "those are heretical books". Still she is not neglected.

Saw the Palace of the Archbishop - an old one with marble statues of Aaron & Moses. Spent the P.M. in my room, reading & writing in a Sabbath way. In the evening we went to a Waldensian service. Some 25 were present. A young man preached in Italian on the liberty wherewith Christ makes us (Protestants) free - an able sermon Dr. S. said.

Sang to begin. Then stood while he prayed. A chapter, Discours, Singing, Prayer (all standing) & Benediction. Simple & evangelical in its impression on me. Sankey's Hymns many of them were in their S.S. Song Book.

In Cathedral saw a girl teaching her little sister about 3 to cross herself. Held her up & made her put her hand in the holy water & touch it to her forehead. Thus the twig is bent.

Milan - Como - Bellaggio.

MAY,

MONDAY 28.

1877.

After breakfast Dr. S. and I went to the Cathedral & climbed to the summit of its tower. It was too cloudy to see the mountains but we had a grand view of the city & environs. We left the Hotel at 8.15 in the omnibus and our train started at 9.50. The environs of Milan were well cultivated. At about 11 1/2 we reached Como. Here we saw a fine Cathedral & got dinner at the Hotel Volta & waited for the Boat till 3 1/2. I wrote home. Was delighted with the scenery of Lake Como. The rain however was a drawback. Reached the Hotel Grande Bretagne at Bellaggio at 6. Walked after table d'hôte along the beautiful shore and retired early.

A statue of Volta is interesting in Como. We saw also on the Lake the home of Pliny the Naturalist.

Bellaggio.

MAY,

TUESDAY 29.

1877.

Rose early and breakfasted with Taylor & saw him off at 7. Read Bulwer's "Last Days of Pompeii" most of the day. Also spent considerable time on Baedeker's Switzerland. After dinner the Dr & I walked in the Hotel grounds & went to the point of the three lakes. The rain kept us in most of the day.

Bellaggio to Lugano.

MAY,

WEDNESDAY 30.

1877.

It has rained steadily all day. At 7 o'clock we left Bellaggio on the Volta in a state of disgust with the Hotel Grand Bretagne which charged us exorbitantly and indeed endeavored to cheat us the house is very fashionable but no more comfortable than hotels of less pretension. It was so rainy & foggy on the lake I saw little. At the Station we had to wait 2 hours. About 12 we rode to Chiasso. Here was the Swiss Custom House. They merely felt one of my bags & waived me on. The cars we now got into were on the Am. plan & there seemed a different air about everything. Was it imagination that made Chiasso seem so different from Como. We had the company of a young Englishman from this place - a rattlebox but pleasant. The country was fresh, the verdure luxuriant - we were between precipitous but wooded mountains down whose precipices streams fell in cascades of foam & cataracts of spray. We soon ran along the E. side of Lake Lugano, crossed it & came to the place of the same name - the terminus of the R.R. Dr. Schaff took us to the Hotel Washington a plain but neat & spacious house. The Salle a manger is used by the Legislature of the Ticino Canton when it meets here - meeting 12 years out of 18 at the other two capitals. Spent most of the day in finishing Bidwell's Pompeii.

Sucarno.

MAY,

THURSDAY 31.

1877.

The rain was still pouring this morning so that we were disappointed in our plan of a trip to Luino & Lake Maggiore. But my plants in order read the papers, Baedeker &c. wrote, mended my clothes & improved the day pretty well. In the P.M. the rain held up and when it came on again was lighter. Mr. Shorthouse our English friend went to Luino to spend the night and to see the Lake Maggiore tomorrow. He Dr. & I took a walk in the P.M. & saw the painting of the crucifixion in the Church, and the bust of Washington under a dome, by the side of the street. ~~Decus sacerdotum~~ "Mogulum sacerdotum decus" was the only inscription. Saw the young men play "balloon" in the square in front of the Hotel this P.M. when it did not rain. They had a foot ball but struck it with the right hand or base of the palm which they had done up with a handkerchief or bit of cloth. In this way they put it up about as well as with the foot.

The day ended with rain and the lake rose upon the street. I was glad I did not visit Maggiore.

The tongue of the ox-carts here is carried by the axle and this ~~short end~~ ^{short end} rests on a kind of fifth wheel so that ~~the~~ its weight is thus supported. The oxen are prevented from hooking by a strap from the base of the horns forward to the end of the pole or tongue.

Two layers of smooth paving in the Italian streets for the wheels.

No hummocks across the Swiss roads. Water caught by stone holes pointing the road and carried under & so across.

Lugano to Airolo.

JUNE,

FRIDAY 1.

1877.

At 10 we left by the diligence for Bellinzona. The day was dark and light with frequent sprinkles of rain. The "interieur" being full they put us in the Coupé to our great pleasure. We first climbed over a hill & then followed the valley of the Agno. Wooded & green mountains rose on either side. The Agno was full and with white brooks came dropping down the cliffs on either side. The grass & grain was just coming into flower & the rain had made all things luxuriant. Reaching the midway station our 4 white horses were changed for 5 red ones. We then climbed over another hill & wound down its side towards Bellinzona having fine views of the Valley of the Ticino, & the end of Lake Maggiore & Lugano in the distance behind. We reached Bellinzona with its 3 old towers at 1.45 where in the Post Restaurant we got a lunch and waited till the omnibus took us in the rain to the station. Left at 3.55 and at 4.36 we reached Biasca. Here we took the diligence for Lucerne. The Dr & I had the right and left seats in the interior behind & mine on the right. We followed the Ticino all the way to Airolo. Immediately after leaving Biasca the Brenno came in on the right. Everywhere streams were pouring down the M. sides many turning to spray in a fall of hundreds of feet. The rain which has lasted 6 days developed this feature of alpine scenery to perfection. Beautiful flowers bloomed in profusion. The Saxifraga aizoon interested me greatly. Rain fell in heavy showers still but at sunset there was a change in the weather. We reached Airolo at 10 1/2 & stopped for the night.

JUNE.

SATURDAY 2.

1877.

We were called at 4. The stages were late
and we did not get started till 6. Dr. &
84 another gentleman occupied the coupe of
one of the stages. At last it was clear.
We passed the mouth of the Tunnel - below us
and began zig-zagging up the mountain. After
a while I got out & walked to where we had
to take Hedges. Found many beautiful flowers.
They wrapped us into the sleigh well and
there was need for it grew colder & colder.
We doubled back & forth for a long time. The
road was often 30 or 40 feet below us & there
was only a narrow edge between the road and
a vast abyss. The ~~Tunnel~~ Ticing was on our left
but often covered with snow. At last we
crossed it & soon after reached the Hospice
- at 9 1/2. We remained there a few moments &
then rode very swiftly for half an hour to bare
ground again! Here we got an open coupe.
We whirled down a dismal valley to Hospen-
thal and Andermatt. Here ~~Dr.~~ Dr. Schaff
left me greatly to my regret, and after a
stay of 45 minutes I went on alone. I have
been with Dr. S. so long I shall miss him
greatly. We followed the valley of the Reuss
to Lucerne. We passed the Devil's Bridge and
the N. mouth of the Tunnel. The valley was
increasingly fertile, the mountains on either
side lofty & interesting, the Reuss rapid &
fine & I enjoyed the P.M. much. Was in
the interior opposite a young couple
apparently making their wedding trip!
Reached Glurles at 4. Strolled up a water-
course into the woods. At 5 we left. The
Lake of Lucerne was beautiful beyond
description (See Guide Books.) Reached
Lucerne at 7. Hotel du Cygne, Room 16,
soon after. Found 8 letters - including one
from Mina. Gave the evening to them.
My own dear ones are yet living. Lib.
has another sore & is well. But I was
saddened at news of the death or sickness
of many acquaintances. Life seems so short
& uncertain I feel as if I could not work

Lucerne.

JUNE,

SUNDAY 3.

1877.

Was awakened early by the booming of cannon this being the celebration of Corpus Christi deferred on account of the rain from Thursday. The morning was bright & after breakfast I went out & saw the wonderfully imposing procession as it marched about the city amid the sounds of cannon & the pealing of bells. Bunting, flowers & decorations abounded. Description of the procession elsewhere. Attended the English service & heard a good sermon on the divinity of Christ. Finished my article on Egyptian illustrations of Scripture & had some time for other uses. A quiet, pretty well-improved day.

Text Mark 14, 63, 64. Evidences - some of the divinity. I. The Jews here understood it to affirm it. The point on which his condemnation turned. What was he if he did not believe himself divine. II. No sacrifice for God to give it to the cross unless he were his son. III. The need of companionship for God evidence. What shall we say of God, if taught us to give to a mere man the honor due to himself. While still he rebukes idolatry & claims to be a jealous God.

Rigi-

JUNE,

MONDAY 4.

1877.

Took the boat at 8 for Witznau and rode thence to the Rigi Kulm on the Railway. Everything seems thorough & safe - the difficulties are less than at Mt. Washington and I felt safer. Climbing to the grassy plateau I spent two or three hours in studying with the aid of Baedeker the wonderful panorama before me. After eating some strawberries & an orange I began the descent. Had a little difficulty in getting into the path to Goldau. Flowers & interesting plants abounded & changed as I descended. The path most of the way was through woods and towards the last zigzagged along the edge of the mountain. Coming out among grassy hills I followed the brook through mowing & brush till I struck the main path to Goldau. Reaching the village I took the road East across to the highway there which I followed to Arth. This crossway took me through the edge of the wooded region. It was warm and I was very much heated & tired by my Rigi walk. I foolishly wore my cap thinking it might rain - which heated my head greatly. In the uncertainty at what hour the boat went I hurried more than was necessary. Had an hour to wait in the R.R. Salle. The waiting woman was good company and very polite. Took the boat at 5.20 to Schenken. Here I found a diligence for Einsiedeln. Passed Tell's Chapel & the hollow lane of which Schiller speaks and where he slew Zessler. The Steamboat was just starting and brought me to Lucerne soon after 7. I foolishly consented to go to "table d'hôte" and in consequence of that and my fatigue had a severe headache at a later hour which drove me to bed.

Lusome - 50

JUNE,

TUESDAY 5.

1877.

This morning I visited the Cathedral,
the Lion, the Eletschergarten and the
Museum. Looked at the walls and towers
and later visited the Jesuits Church, the
bridges and the Town Hall. Did
some shopping also. Wrote letters in
the P.M. & evening, Read & received
calls from Dr. Schaff. retiring early.

JUNE,

WEDNESDAY 6.

1877.

Rose in season and completed arrangements for my journey. The little Steamboat-Rigi left soon after 10. We were soon out of sight of Lucerne. Touched at the foot of Mt. Pilatus and then again at Staatsstad. About this time it began to rain. Going under the drawbridge we were in the Lake of Alpnach an almost enclosed arm of the Lake of Lucerne. Reaching Alpnach Stadt we took coaches & got a good seat in the interior. The ride was quite interesting for the clouds & rain made the country seem very fresh. We passed along the shores of the Lake of Sarner to Lungeren and its Lake and then up the Brünnig Pass. The descent from this was very fine into the beautiful valley of the Aar and to Brienz where I had to go. Whiled at the Hotel du Blanc Croix. At 7.20 when the boat came in from Interlaken and I rode to Meiringen. Found a comfortable room at the Hotel du Sauvage. Made my arrangements for the morrow. Was disappointed that the snow was so deep I could not go to the Glacier of the Rhone nor up the Faulberg.

The women in Niderwalden have a curious way of doing up their hair braiding white ribbons with it and fastening it up with a pair of silver spoon-shaped ornaments.

JUNE,

THURSDAY 7.

1877.

after breakfast I walked by the Church and visited the Alpbach waterfalls. Climbed nearly to the top.

At 8 1/2 I started off on horseback with a guide for Grindelwald. I had sent my baggage to Interlaken. When we got up to the Reichenbach I visited that. It was very fine. The rainbows were very perfect and the spray was drenching but glorious. Up & up, we climbed into the Spruce Woods till after about 2 hours we reached the Rosinlani Hotel and rested & lunched. Saw the Rosinlani Glacier high above on the left. Then on into the Schwarzwald. Here the horse fell so often I had to dismount & walk several miles. The Wetterhorn, Wellhorn and other horns were before & around us. Fittis was seen behind. About 2 we reached the summit of the Great Scheideg - the Aletsch Pass. Here we rested & enjoyed the prospects and some warm milk. Mönch, Eiger, Faulhorn, Schwarzhorn were seen hereabouts & further along we got glimpses of Schreckhorn & Finsteraarhorn. Heard the thunder of many avalanches and saw an immense amount of snow fall down the side of Wetterhorn at 2 immense jumps. Now down the hill towards Grindelwald. Nearly there we stopped at a Hotel and I went to the Upper Grindelwald Glacier. A way was cut into it over a hundred feet. A torrent of water came down in one place. The ice was green or blue & gave a ghastly look to the little girl who went with me. Greatly interested in the moraines & glacial scratches. We reached the Hotel de Lours at 5.30. Changed my stockings, got a lunch & looked over pictures, wrote & talked with some English gentlemen.

Alpine horn.

Chimneys - cover on a ^{hinge} ~~ladder~~. Stone by a chain pulls it open. ~~Stone~~ Chain down chimney closes it when desired.

St. Bernard dog at Hotel de Lours that was 5 yrs old & weighed 189 lbs. Record of another not as valuable for which 20 ~~fr.~~ was asked. Puppies here at 4.

JUNE,

FRIDAY 8.

1877.

Rose at 4 and at 6 we started. Rev. Mr. Griffith & Dr. Hare walking and I riding. They had a man with them. The morning was fine. The Wetterhorn, Mettenhorn & Eiger rose above us, and other mountains were more distant. We rose rapidly and soon reached the snow. Stopping at the last open house we got bread & cheese for a lunch. The ground which was bare was covered with seeds of white crocuses often nearly as thick as they could be. Some branches were solid & their yellow stigmas & anthers were like gems in the center of the cups. Occasionally there were purple ones. After a time we found great beds of Purple flowers. The snow got very deep & steep & was worse than on the Great Scheidegg. We reached the summit at 10 and remained there half an hour. The amphitheatre of Mts. was grand. In addition Mörch, Silberhorn, Schneehorn, Jungfrau, Faulhorn and the Mts. east were visible. The Hotel at the Summit was closed & the Jungfrau Hotel on the Wengern Alp but the latter was to be opened today. At the latter we met a woman who was going over to Grindelwald. We now entered the spruce woods and descended rapidly. At a chalet got some fresh milk which was very nice & saw a woman weave silk. The beautiful Staubach now came into view & the Fludhorn a very curious peak at a distance south. The road became very steep & I had to walk most of the way down. Reached the Hotel du Staubach at 1 1/2 and cleaned up. Paid Melchior & concluded to stay over night here. Wrote & read and watched the sunlight climb the mountains. It rested last at Silberhorn & Schneehorn. Little Scheideck 6788 ft. (Great S. 6434 ft.)

To Berne.

JUNE,

SATURDAY 9.

1877.

Very warm today for Switzerland.
Not feeling quite well I did not
rise till after 6. It rained in the
night & was not bright early in the
morning so that I did not see the
sunlight on the fall as I had hoped.
Took the Post Diligence at 7 1/2 and rode
down the beautiful valley to the Victoria
Hotel at Interlachen. Here I read and
looked about getting a lunch too, till
nearly 1. Took the cars from Interlachen
to Lake Thun, had a very pleasant
sail across the lake and was soon
rolling across a hilly country but not
a mountainous one towards Berne
which I reached at 4 1/2. Went to the
Hotel Bellevue and was rejoiced
to find a letter there mailed in
Hartford so late as May 26th.
Read it twice. Attended to my plants &
retired early.

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Berne-

JUNE,

SUNDAY 10.

1877.

A warm day. Slept late. At 11 1/2 attended English Service in the Chapel of a Hospital. Sermon on the words Come for all things are ready. Walked back another way & found a seat under the shade of some lindens on a breezy little hillock in a small park called the Kleine Schanze. The Bernese Alps lay full before me. Spent the most of the P.M. in reading & writing Sabbath-wise. Rested in the evening & fell asleep.

JUNE.

MONDAY 11.

1877.

About 8 I went out. Crossed the Nydeckbrücke and saw the bears—three of them—ponderous healthy looking fellows. Returned to the Natural History Museum which was well worth seeing. Then went to the Botanic Garden. Fell into conversation with the Professor & he showed me the Lecture Room, Laboratory & Museum containing the Herbarium, and plants in the greenhouse and grounds. I spent some time here. Saw the clock strike 12 and looked at the Orgs above one of the fountains. Went to the Cathedral & climbed to the top. Saw the great bells, the sculptures of the judgment over the main door & the statues near the Cathedral. Looked at the A.C. Cathedral, the Rathhouse, and went into the Bundesrathhouse but found no one to show me around and did not find the ~~Kunst Museum~~ Kunstmuseum either. Returned to my room & rested. Met a pleasant Am. family named Stephens at table. Dined this evening. Wrote and enjoyed the cool of the night. Wrote Mary & the rest at home.

The houses in the older parts of Berne project over the sidewalks making them colonnades opening to the street with arches & with cellar doors opening in front of these arches alternately. They also have arches over the walk to support the 2nd story which is usually quite low. Except for the narrow streets one can walk almost a mile of the main avenue under cover -

Most of the large buildings are constructed of a green-ash colored freestone -

The dress of the Berne peasant women is peculiar. A tight bodice of black velvet with squares figures &c. comes to the neck behind & high in front above which pulls out a white fluted linen waist, craned stiff. The sleeves are fastened up to ~~the~~ around the elbow & have a stiff craned wing that has an edge towards the body. They are close about the arm. Two silver chains hang to the hips on either side fastened in front of the shoulder & behind by some ornamental silver star or rosette. Black ~~waists~~ ~~gowns~~ skirts generally though there did not seem much uniformity about the rest of their dress.

To Geneva -

JUNE,

TUESDAY 12.

1877.

The hot weather continues - It is unusually warm for this upland. Did not rise very early after getting all ready for my journey I went out & saw the church clock strike once more. It was a market day & all the streets broad & all the squares were crowded with booths & country people. It was interesting to notice all the wares they had for sale. At 10 I drove to the station. Met the American & his daughter I saw yesterday on the Cathedral Terrace. Was off at 10 1/2. Had a hot dusty ride. It was hazy and the near country though it was good land & well cultivated generally was not specially interesting. We passed a number of castles, old walled towns & fine bridges. Saw Freiburg & Lausanne & reached Geneva at 3.15. Got Room 51, Hotel Du Lac. Washed, got something to eat and went out to secure a place on the diligence, and inquire about botanical books and plants. Saw something of the city along the Rhone, rested in the English Garden sometime. The mountains of Savoy, Mt Blanc &c. & the view of the Lake were beautiful today -

Thousands of acres of vines on the slopes W. of Lake Geneva. They keep them down to a stock a foot or two high & tie the young shoots to stakes. The plants are about 3 ft. apart. Can we cultivate grapes in this way? Absence of fences strikes one in all this part of the world. Few hedges even. Ditches occasionally -

-To Chamonix.

JUNE,

WEDNESDAY 13.

1877.

Rose early not well rested. Took the Diligence at 6 1/2 but we did not start till 7. Got a seat on the outside - to the left - which proved the better place. We had a good number of thorough passengers & many to get on & off along the way. It grew warm & dusty all the A.M. We soon struck the Arve, having passed into France (Savoie) & followed this river all the way to Chamonix. There was nothing very interesting in the scenery till towards noon when the mts. drew up to the valley. Near Hagland a large stream came out at the foot of a cliff and a little further a fine cascade fell over it & drifted into vapor. Name Arpenaz. Near the village of St. Martin, Mt. Blanc came into view in all his grandeur. Soon after 1 we reached the Hotel of St. Gervais-les-Bains where we got dinner. Felt quite miserable all the A.M. but was better in the P.M. As we left St. Gervais & gradually climbed to a great height above the Arve we had a fine view of the Valley behind & of a shower following us between the mts. The scenery now became wild & the increasing gloom & roar of the thunder added to the effect. We passed through a tunnel in the now narrow valley & the rain came. Drawing the curtains around us were kept dry. As we came into the valley of Chamonix the storm cleared away, and we had fine views of mts. and glaciers. Our destination was reached about 5. I went to Room 45, Hotel D'Angleterre. Retired in good season - having made some acquaintances & arrangements for the morrow.

We had in the Diligence a lively & smart Am. lady & her mother and two American gentlemen just over & taking a hasty run through Europe. There was also an Englishman & his daughter. The younger American bragged about the U.S. in an ignorant way till the Englishman took him up. Then he made further talk that made me ashamed of him & of some of our national disgraces. However they were all a lively set.

Chamonix.

JUNE,

THURSDAY 14.

1877.

Up at 5 $\frac{1}{2}$ and at 6 $\frac{3}{4}$ with 4 others and a guide I started for the Mer de Glace. The companions were an English clergyman 6ft. 5 $\frac{1}{2}$ inches tall, Mr. & Mrs. Cheever whom I met at Rosenau, & another man & a little dog - all English. We struck across N.E. to the foot of the Mt. & climbed over 2 hours when we reached Montenvert. Hence we had a very fine view of the Mer de Glace & the Aiguilles Dues, Chamonix, &c. After a short rest we descended to the Glacier. The surface here was somewhat undulating in great waves but smooth & hard, and there were few dangerous crevasses. Deep holes of exceedingly clear & cold water were very inviting. Two thirds across we came on a medial moraine which was disagreeable. The lateral ones were very high & disagreeable to traverse. Altogether we were little over 20 minutes in crossing. Our guide told us the ice was here 200 ft. deep. Winding our way down the moraine we descended the Glaciers Pas to the Chapeau where we got goat's milk to drink - not very agreeable was it. After a good long rest we descended the mountain passing over an avalanche which fell in March & getting a view of the source of the Arveiron. At the foot of the mountain another rest & a drink of good milk followed by a long warm walk on the Diligence road to Chamonix. Collected a bag-full of plants & spent the rest of the P.M. in putting them in press, reading writing & looking at pictures. We all took a peep at a young Chamois in going up Montenvert.

To Vernayaz.
over the Côte Noire.

JUNE,

FRIDAY 15.

1877.

A heavy shower with thunder at first cooled the air & laid the dust, last night. As about 8 Mr. Shelton & I took a waggon with a German couple for Vernayaz. We passed the Glaciers des Bois & Argentière & began to climb the hills where we had to walk up. There were fine views of Mt. Blanc all along. It was hot work climbing the hill but we soon passed the furthest source of the Arve and began to descend along the Eau Noire which rapidly increased. After a long descent through pine woods of spruce & an open valley we began to ascend till we seemed to be a thousand ft. above the Eau Noire. The road here was cut into the precipice above the vast abyss & finally passed through a tunnel & reached the Côte Noire Hotel where our horses had to rest two hours. We found a room full of travellers here. After a plain dinner Mr. Shelton & I walked in through the evergreen woods to the left right along a brook & rested along & talked. The waggon was now in overtaking us. Then we climbed up a very steep & long ascent to the Col de la Forclaz (5020 ft.) where we rested a few moments & then began a very long & steep descent. Martigny & the Rhone soon came into view far below with fine views of Catoque & other peaks. We passed some of the largest larches I ever saw & at last came to oaks, chestnuts, fruit-trees, finally vines & then Martigny thro' which we rattled noticing many cases of goutte. We reached the Hotel des Bordes del Orient at Vernayaz just as a heavy shower began. After table d'hôte Mr. S. & I visited the gorge & walked to the end of the hanging way - a long distance. Very wonderful. In a round part of the gorge the guide fired a pistol twice with a reverberation that almost stunned us. Saw them getting out pine logs which they run down the gorge from Côte Noire! They do a great business at it.

To Geneva.

JUNE,

SATURDAY 16.

1877.

We rose early & took the cars at 6 1/2 down the Rhone Valley to Bouveret. The river seemed high & the country was flooded with water. A short steamboat ride from B. took us to a landing from which we visited the Castle of Chillon. Then we went again by steamboat to Montreux. Here we had a luncheon in the lake & then got some dinner and rested sometime in the beautiful grounds of the Hotel du Cygne. Then I walked with Mr. Shelton half way up to Avault his sojourning place. It was very warm & the road was very steep. Finally I bid him good-bye ending a very pleasant acquaintance & rapidly descended to Montreux. After waiting some time - about 3 1/2 the Mont Blanc came along. On board were Mr. & Mrs. Cheever. I had met them at Chillon also. They only went to Vevey however. Our boat reached Geneva at 7.45. The P.M. was rather pleasant. The Lake was beautiful & the hills - the Dent du Leidi, Dent des Jarmans and finally Mt. Blanc, but I do not like the Lake as well as Lucerne. It is not wild enough. Eight pigeons found me domiciled in No. 8, Hotel du Lac. No letter for me to my disappointment I took a stroll, wrote & attended to my plants.

Geneva-

JUNE,

SUNDAY 17.

1877.

Walked up to the Cathedral in the morning but there seemed to be no prospect of any service there. Attended the Am. Church at 11 in the Salle de la Reformation. Dr. Stevens conducted the service and Dr. Torrey of Pennsylvania preached a very fair sermon. Spent the rest of the day in my room. Completed an article on illustrations of Scripture from what I saw in Palestine. There was considerable rain in the P.M. The firemen have been making a great display of themselves today.

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Geneva -

JUNE,

MONDAY 18.

1877.

One year ago today Jamie died. How short a time & yet long.

At about 8 I started out. Did some errands and then went to the Botanic Garden and spent sometime there and in the Nat. History Museum of the Academy. Visited the Cathedral, the Rath Museum and the Delessert Herbarium. Then spent sometime in business and purchasing books, botanical specimens and photographs. Dined at 7 and wrote & read till I retired.

The Botanic Garden is interesting but not so useful to the public as that at Bern. Plants in large squares surrounded by iron fences. Only a part near have their labels visible. Habitat not mentioned. A fine Cedar of Lebanon 1 1/2 ft. through, 40-50 high. On whole not what it ought to be.

Delessert Herbarium of 100,000 species perhaps, given to the city. Fine collection in a building on purpose.

Museum good. Excellent Osteological Collection - skulls - development of fore arm in bird, fish, reptile, bird animal - skeletons of whole Animal Kingdom beginning with man & apes. Skeletons & stuffed specimens of novelties.

Up stairs, Stuffed quinnals & birds, reptiles in alcohol & stuffed shells recent & geological insects. Local collection. All these specimens well preserved & good number. Fossils of all sorts. Crystals of black quartz from the Tiefengletscher.

Geneva.

JUNE,

TUESDAY 19.

1877.

Rode on a horse car to Carouge
this morning and then after a
rather long walk found my way to the
Rhône just below the junction of the
Arve. Walked down the Rhône about half
a mile & then up along the shore till I
came to a foot bridge across the Arve.
Walked to the point between the two
rivers & back to the city along the Rhône.
The blue of the Rhône & the muddy water of
the Arve formed a striking contrast and
did not fully mix for a mile below the
union. Strolled about in the City while I
dined, rested & read Salicruti till
rain drove me to the Hotel. Wrote Mother
& Mina, & studied Botany.

Towards Paris.

JUNE,

WEDNESDAY 20.

1877.

After packing, I strolled once more to the Botanic Garden and then attended the funeral of the Am. Consul Mr. [unclear] at the English Church. I was much touched by the death in a foreign land. Later I went to the Music Hall and for a last time to Rousseau's Isle. Left the Hotel du Lac which has been a pleasant stopping place at 2.45. The cars started at 3.15. Got a good seat. At Bellegarde they made me open my baggage but the French Examination which had been held up as severe was very light with me. Nothing else of special interest occurred. Reached Culoz about 5 and was soon among the Mts. of Savoy. They did not look so high & picturesque as when I first saw them. We were at Macan at 8.15 and remained nearly an hour. Here the fat man left our compartment - the Catholic Priest having already done so and a young Frenchman and I had the room to ourselves.

JUNE,

THURSDAY 21.

1877.

(As we two had the compartment to ourselves all night we had considerable sleep. When I gave up further soundness we were running along the Seine, almost having reached Fontainebleau. All of France through which we passed seemed loaded with an abundant crop of grass and grain. Paris was reached about 6 1/2. Went to the Hotel Londres et New York. The Hotel des Deux Mondes where I was thinking of stopping seems to have been pulled down. Had Room No. 50. After changing up & breakfast I made arrangements to take one of Cook's three days trip about Paris. Read & wrote till 10 o'clock, when we started in a large two horse open carriage. The Programme was this:

New French Opera House (exterior.) Grand Boulevards, Church of the Madeleine, Place de la Concorde and Obelisk of Luxor, Champs Elysees, Palace of Industry, Arc de Triomphe de l'Etoile, Champ de Mars, (Buildings for Exhibition of 1878.) Ecole Militaire Invalides, Tomb of Napoleon, Corps Legislatif, Palace of the Tuilleries, Palais Royal.

Luncheon.

Battes Chaumont, Pere La Chaise, Prison de la Roquette (exterior) Place de la Bastille & Column of July, Place du Chateau d'Eau, Porte St. Martin, Porte St. Denis.

We also saw a fine Panorama of Paris during the Siege by the Prussians.

There were two carriages and the worst of those, in ours seemed to be Americans. The lady who sat next to me and who is travelling through Europe alone is a Miss Lizzie Carleton of Bethuen Mass. Formed a very pleasant acquaintance with her. On our return it sprinkled so that I was unable to stroll about much as I had intended. Made my supper of a couple of oranges, being pretty much done with. Dable d'Hotes as I hope. Read, wrote & from the Hotel windows watched life on the Place du Harre.

Had a letter from home this morning. Merrill has had a gathering in his head. The dear little fellow is almost through. I think. Oh if I could see him again. Suppose there is little likelihood.

JUNE,

FRIDAY 22.

1877.

We started at 10. Our carriage had 5 horses and the other four.

Passing the Place de la Concorde, the Champs Elysees, the Arc de Triomphe and the Fortifications of Paris we drove through the beautiful Bois de Boulogne. We next reached St. Cloud, walked to the gates & looked in upon the ruins of the Palace it being too early to enter. Thence to Versailles visiting the Trianon - Grand Trianon and the State Carriages.

After lunch we went to the Palace. Saw something of the grounds and of the historical paintings. We reached the entrance for the Senators just as M^r Dupauloup was being rolled into the Chambers, and I saw him tho' I did not know who it was at the time. Thence we drove to the Sevres Porcelain Manufactory and went through the Museums. We returned by Antwerp and the Cours la Reine.

We had many sudden showers through the day but I did not get wet much.

After our return I was out till 9 $\frac{1}{2}$ along the Seine on both sides in the gardens of the Tuilleries and in the Champs Elysees in the evening - after the gas was lighted.

Flower Markets. Fuchsias, Geraniums, Roses, Calceolarias, Pinks, Forget-me-nots, Hydrangeas, Palms, Foliage Plants, Begonias &c. - Chrysanthemum. Great sheet of white paper - which covers the pot & compresses the mass of leaves & flowers into a cornucopia like mass.

Bouquets in ample sheets of white paper - of all sizes from a moss rose or its bud for button-hole up to bouquets a foot or two across for theatres, churches &c. Sometimes solid masses of roses of one of buds, or of blue centaureas, or of violet paeonies almost black. Often of wild flowers red poppies & grasses. Generally of a variety of flowers in a cup of fernleaves the beauty of which comes out against the white paper.

Rich white printers paper. Always exceeding taste.

Paris.

JUNE,

SATURDAY 23.

1877.

We were off again at 10 o'clock 7 of us in one carriage. We passed the Column Vendôme, Tuileries, visited the Palace of Justice & went into a Court Room. Saw the interior of Sainte Chapelle. The sides & one end of the upper room were colored glass & each above. Very fine. Tribunal of Commerce. Church of St. Germain l'Auxerrois. The bell of this Ch. gave the signal for the Massacre of St. Bartholomew & tolled all that night. Place du Carrousel & its Arch. Palace & Museum of the Louvre. Lувр.

Sobelie Carpets & Tapestry. Very interesting. All work done behind the tapestry.

Pantheon or Ch. of St. Genevieve. Vaults. Grand Galleries of Painting & Sculpture in the Luxembourg. Jardin des Plantes. Notre Dame. Morgue. On my return visited the Reading Room of Young Men's Assn. Went through some flower markets, walked on the Boulevards &c. Wrote & studied in the evening.

Paris.

JUNE,

SUNDAY 24.

1877.

Went to the Am. Chapel at 11 and heard a very good sermon by the Pastor Rev. E. W. Hitchcock on the text "Blessed are the merciful." In the evening I went to the English Congregational Chapel and heard another excellent discourse on the words "The well is deep and thou hast nothing wherewith to draw" etc. A visitor Rev. Mr. Hines was the preacher. Spent considerable time in my room writing, reading &c. Sat & walked in the Tuilleries Gardens a while towards sunset.

Paris

JUNE.

MONDAY 25.

1877.

At about 9 $\frac{1}{2}$ I took one of the
Seine Steamboats up to the city limit
& back as far as the Jardin des Plantes,
where I spent the most of the day. Looked
over the Zoological Collection and most
of the non-systematic grounds & gardens.
The Conductor of the Steamer coming
down asked me something. Supposing he
wanted to know where I got on or whether
I was going I told him as well as I knew
I had. He did not understand me & although
I understood nothing but his manner &
l'anglais he was evidently quite insolent.
A gentleman who got off where I did
tried to explain but I did not make
out his French. I bothered my head
more than it was worth to think what
the Conductor was talking about. As the
fare is uniform & I had given it, I can
not even guess the trouble.
Spent sometime reading at the Christian
Association and wrote at the Hotel.

Paris - 501

JUNE,

TUESDAY 26.

1877.

Finished a letter home this morning and did some other business. Went up to the Jardin at 10. Went pretty carefully through the Systematic Collection of living Plants. Then more hastily walked over the Museums of Mineralogy & Geology, Zoology & Comparative Anatomy & Anthropology. With taking notes & resting they took till after 5 o'clock. Came to the Tuileries Garden & got a good supper. Walked to the Place du Châtelet & Tour de Saint Jacques. Returned through the Palais Royal. Read & wrote a little but was very tired.

Paris.

JUNE,

WEDNESDAY 27.

1877.

Slept late and went out about 9.
Walk to the Arc de l'Etoile and rode
in a car to the Jardin d'Acclimatation
where I remained till 2 1/2 having a
very pleasant time. Rode in a car
to the Arc and in a carriage to the
Place du Trône passing many spots
of interest. After a little while here
I rode to the Place de la Bastille.
Thence I walked to the Hotel de Ville.
Rode & walked to the Tuilleries
Garden where I got my supper again.
Read Galigiani and returned to my
Hotel - not as tired as last night -
but enough so -

Paris

JUNE,

THURSDAY 28.

1877.

Got my ticket for London and did other business this morning. Sauntered over to the Place of Henry IV. Saw the Conciergerie and the Morgue again. Went to the Sorbonne and the Ecole St. Louis and went into the Museum of Cluny and the old remains of Theriac. Went by the Fountain of St. Michel and along the Quays by the Mint & the Institute and across to the Louvre. Looked through the Grecian Roman & Egyptian Antiquities but the Assyrian Dept. was closed and I presume the Phoenician Sarcophagus I wished to see is in there. Went to Saliquani's Reading Room and got to the Hotel soon after 7.

Paris to Newhaven-

JUNE,

FRIDAY 29.

1877.

After breakfast I settled my bill and arranged for my journey. Wrote and read. Went across the street to the station in season and secured a good seat. Our train left at 10.10. We passed through tunnels, crossed the doublings of the Seine several times, had views of the Forts N. & W. of Paris & passed through woods into an almost utter treeless country along the Seine, bounded or intersected by broad & long ridges. We reached Rouen soon after 12 & were there half an hour but I remained in the carriage. Thence northwards to Dieppe among hills, a country of woods, orchards, grass & pasturing herds. Normandy. Sooner than I expected we emerged from a long tunnel and were at the terminus. Only we had to be drawn slowly through the streets to our boat. We had to wait on board a long time but were off at 3.10. Out between two high walls. The sea was smooth as a lake and the white cliffs of Dieppe were soon rapidly receding. Our voyage had no events to break its monotony. Met acquainted with a man from Enfield Ct. & a young Englishman who had killed boars in the forests of Switzerland. Soon after 6 the white cliffs on the other side appeared & by 9 we were lying to waiting for the tide to rise on the bar. We were not in till 10. The Custom House Officer nicely inquired after tobacco & liquor & my reply being satisfactory I passed. Spent the night at Newhaven-

"White rats."

July 17. Woman got in Omnibus. One eye shut. Little girl, Bayfield in Cap. Clean & bright. Woman seen better days. Why think so. Had worn earrings. Hands. Gave penny to each child. Asked girl what do with it. What would you? She would keep it. Hope be good woman when grows up. Chimney sweeps.
"Roly Pastor" on the ship.

London.

JUNE,

SATURDAY 30.

1877.

Was called at 6 and at 7 took the cars for London. Had to get out at Lewes & wait a while for another train. At first, the country was almost treeless & many fine black cattle were at pasture. Gradually, woods and hedgerows increased. At length I thought the sun had gone behind a cloud and a gloom suggesting rain came on. But I soon found it was only a drizzle fog. At 9.15 I arrived, and took a Hansom cab to 39 Great Russell St. for which the driver charged me 6 pence too much. On the steps was St. Schaff & up stairs were his wife & daughter. They were just starting for Edinburgh but I was glad to see them for a few moments. House was very full but I got a place to put my things down and wash. Went to Cook's Office but there was no letter for me. Met Ward our Dragoon there. Took a stroll in the City and at 2 got back to No. 59. Wrote & read the rest of the day.

Worship of Bacchus or Drunken
Customs of Soc. from Cradle to the Grave.
By Geo. Cruikshanks.

National Gallery London.

Drinking at births, christenings. Children drinking with family. "To the young Sir". At a wedding, in sickness. By the bereaved. After funeral, in aid of various charities. Clergymen drinking while Mohammedans point to their God, robes in amazement. Drinking to help preach missions to heathen. Amusement of natives at first. Then learn at feasts required, judges drinking, law-makers, Birthdays, the rich & poor - all.

Consequences in background. Prisons, Hospitals, Poor Houses, Mad Houses, R.R. Accidents. Conflagrations are caused & sea. Crimes, Robs & murder, Hangings, Whipping soldier while officers drinking near Workhouses. Police Stations. Ragged Schools, Poverty, Disease, Death. Widows & Orphans, Brothels.

London, the place of the
- which is the most
- the most famous

London

JULY,

SUNDAY 1.

1877.

It rained steadily till towards night. I was unable to go out but found abundant reading in the house besides my own. Gave some time to a plan for a sermon. After an early supper I walked over to Spurgeon's Tabernacle & heard a sermon on Isaiah 50:3-6. afterwards I had the privilege of attending the communion service.

Glad some unpleasant symptoms about my heart last night which made me feel that perhaps I might not have long to stay in this life and might be called suddenly in the night time to another world.

The worst of it would be to leave my little ones a burden on others. But Merrill certainly cannot be this long and God can make Mary if she is to stay a comfort and blessing to those who may have the care of her. So I think it will be all right. I know it will be. For myself I have no special anxiety or fear. A sudden death is an easy one. I have had a very happy life, wonderfully so in spite of recent & great trials. My only regret is that I have done almost nothing for my Saviour - nothing it seems to me but I must be less service for me elsewhere.

God bring us all Father, Mother, Sister, Wife and children all these dear ones and the others whom we love together in his kingdom for Christ's sake.

London. Its brick. Burn light yellow clay color like Milwaukee bricks - Chimney crocks -

JULY,

Tuesday 3
~~Monday 2~~

1877.

After a few errands I set out for
New Gardens. Had much waiting to
do at both ends as the train did not
leave till 10 $\frac{1}{2}$ and the Gardens were not
open till 7. Stayed there till nearly 6.
Went generally over the grounds and
through the "Sulphate House" and the
"Palm House". Enjoyed the afternoon
beyond expression - Left at 6.06 and
spent sometime in reading & writing after
my return.

London

JULY,

Monday 2nd
~~TUESDAY 3.~~

1877.

Went this morning to Cook's Office
and did some business there and
read two letters from home which
were as cold water to a thirsty soul.
Then purchased a trunk & some books
and did considerable shopping. Finally
I selected cloth and was measured
for a suit of clothes. Finished out the
day with writing and reading.

Temperance in England

Both Tory Party & Liberal Party,
trunking to the Drink Power.

Sunday Closing Bill almost unanimously
supported in Ireland by both Prots. & Romanists.

33 millions pounds of Revenue from
drinking. - 160 mill. dollars -

Chancellor of exchequer request so
great voluntary taxation.

Voluntary Paid by wives & children.
Stolen from them.

London is a very beautiful city
day after like the others
the same

JULY,

WEDNESDAY 4.

1877.

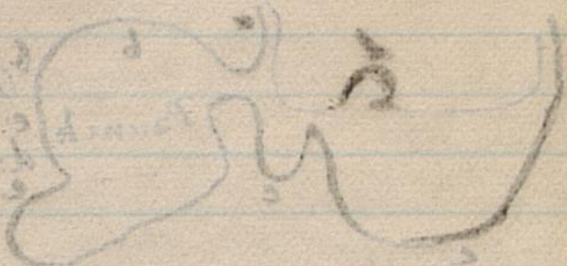
Took a tour to the Strand, Charing
Cross and Brook St. to see about
books, clothes, &c. Then after a dinner
I went to the British Museum for
two or three hours. Wrote & read. At-
tended a great meeting on the Peruvian
Bill in Exeter Hall in the evening.

British Museum.

Human skeleton in limestone
Guadalupe, 1814.

Human remains - bones & tools -
in Pre-Cla cavern of Bruniquet
S. of France, 1863.

Wood, Cedar of Lebanon, from Palace
of Nimrod, 3000 yrs. old.



London.

JULY,

THURSDAY 5.

1877.

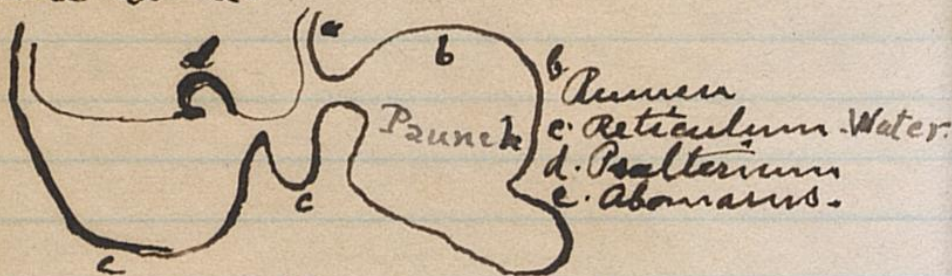
A cool comfortable day with showers which I managed to escape mostly. Went to New & returned by boat. Examined the larger greenhouses quite thoroughly & went through all of them. The museum and the grounds and at 6 took the boat down. Between Waterloo Bridge & Great Russell St. there were some very heavy showers which wet me thoroughly on the outside.

Stomach of Ruminants, divided into 4 quite distinct cavities.

- 1 Rumen or Paunch - largest forming a capacious reservoir. Inner surface commonly villous.
- 2 Reticulum (Truicy comb bag, water bag) divided into small compartments or cells mostly hexagonal in form.
3. Omalum - Occupied by longitudinal folds like leaves of book - hence name. Least constant of divisions.
4. Abomasus (Rumet-bag) Usual character of true stomach, vascular, finely tubular gastro-mucous inner coat.

When in the camel all communication between oesophagus & first two cavities can be cut off & food can be conducted directly into the third.

Also the water which the camel drinks passes directly into the reticulum (probably) & the communication between water bag & paunch however. Life proved this. Water is pure in the reticulum.



Four Stomachs of Sheep.
(Camelus Bactrianus & dromedarius.
Camel scaber persicus)

From Richard Owen's Anatomy.

JULY,

FRIDAY 6.

1877.

Started this A.M. for a tour but was arrested at the gate of St. James Park by the rain. Spent the forenoon at Russell St. and the P.M. in the Museum reading Palmers Desert of the Exodus.

The Crocodiles divided into the sub-Genera as follows.

1. ~~Varia~~ Gavials. Muzzle, slender & very long. Teeth nearly equal, $\frac{1}{2}$ the lower ones passing when jaws are closed into notches in upper jaw. Feet palminated to very ends of the toes.
2. Crocodiles. Muzzle oblong & depressed. Unequal teeth, $\frac{1}{2}$ the passing into holes. Otherwise as Gavials.
3. Alligators. Muzzle broad & obtuse. Unequal teeth, $\frac{1}{2}$ the passing into holes. Feet semi-palmate & without emargination.

London -

JULY,

SATURDAY 7.

1877.

Studied & wrote till 11. Then I went to the Zoological Gardens where I spent the P.M. very pleasantly. Wrote & read again in the evening.

P.M. at the "Zoo"

For the Children. Throwing bread to the bears. How they got the bread. Keepers picking up what dropped. Big black bears knocking. White bears & their getting bread.

2 Elephants. Feeding ~~them~~ one with little crackers out of the hand. Throwing them in his mouth. His picking pockets.

Putting saddle on the large one. The harness. The ladder. The seat. The load. How it got on. Preparing the other elephant & his load. How they fastened him. Reaching leaves.

2 parcels of bread & biscuits that P.M. I should think. Putting his trunk to everybody. How he opened his mouth for people. His tricks gone. Elephants trumpeting.

4 Small elephants. Riding on them. One of them very small.

Riding on neck of Dromedary & the back of the Camel. Difference.

Feeding the seals Dick & Jan. How Dick kissed the keeper & Jan bowed. Their getting up in chairs. (Describe their pond.) How he threw fish to them & they caught it.

How the Pelican got some & the seals bade the keeper good-bye.

3 Hippopotamuses & the baby. How they slept & walked in the water & how they looked.

The Lion house. The rail to keep people out of danger. Markings of tigers & leopards.

How they knew the Keeper. Reptiles, Monkeys, Kangaroos.

Going to the Greenhouses at Kew in the winter. Flowers. Palms. Victoria Regias.

Drawing pictures of plants & pleasing teachers & parents.

Feeding seals at Paris. Jardin D'acclimatation. Getting Breal & Milk at J. D. A. Brelow Cows.

Goat waggon at Tuilleries.

Travelled out West finding house where read Bible & prayed.

Young Hippopotamus. Born in the Gardens Feb. 21. 1871. Died Feb. 23. 1871.

Another born here Nov. 5. 1872.

JULY,

SUNDAY 8.

1877.

At 11 I went to the City Temple and heard Dr. Joseph Parker. He preached a suggestive & impressive sermon on the text *Behold I stand at the door & knock*. He studied on Scriptural themes most of the week. At 6 1/2 I attended Newman Hall's Service at Christ Church, Kensington Road. As they use the English Prayer Book and sing nearly everything it took an hour to get to the sermon which was upon Eph. 3, 17, and very eloquent but not as full of thought as Dr. P's. Dr. Hall dresses in white & black robes and adopts the Episcopal way in almost everything.

Three things I noticed at Dr. Parker's. 1. He read the Scripture & that very deliberately & the ushers apparently allowed us one to come in during this service, but a large number of people came in as soon as they rose to sing. The Scripture was thus made very impressive. 2. Like almost all English Congs. they sit with heads bowed during the last prayer & the benediction & then there is silent prayer for a moment or two, when the Minister says Amen & the audience quietly rises & goes out. 3. So far as I have noticed in all the English Chs. they take up a collection every time, whether they call it the "weekly offering" or not.

Swiss grave mentioned by Darwin. Two poor folk have even a painted board. Wrote with ink on paper the birth & death of the buried one - fastened it to a board & mounted on a stick at the head of the grave, the paper being protected by a little edge & roof. Nature had added her pathos. Under the paper by the writing shelter by the writing a caterpillar had fastened itself & passed into its deathlike state of chrysalis from which having emerged, it had winged its way from the spot & had left the corpse the relics behind. How old & beautiful is this figure of the resurrection.

London.

JULY,

MONDAY 9.

1877.

Went to Ludgate Circus this morning but got only a letter from Miss. Met Aquilina and Rella Lloyd there. Took a steamboat to the Tunnel and rode thro it in the cars. Then walked up to the Sub-way and crossed through that to the Tower. Found I should have to wait long to get in and so I went on. Walked through the Bank of England. Saw the Mansion House & Guildhall & spent sometime in the latter. The Museum of London antiquities there is very interesting. Went to St. Pauls which I saw quite thoroughly even to climbing into the Ball. Returned to my lodging place by way of the Newgate Prison Old Bailey & Smithfield Market. Wrote home & read the rest of the day.

Camel. Large & experienced camel take 5-6 qts water which will last as many days. Harsh food it prefers - ironlike spikes. Adaptation of feet - Callouses - Carry 5-600 lbs without overloading. Often make more - Unwillingness of Arabs to make them carry more. 3 miles an hour. Saddle on an average 6 ft from ground. Hair (Hunters), 90 & 10 miles an hour. To make a long journey thus have to swathe one's self tightly in bandages. Fight among selves. Hated to fight in India. Bubbling groan or grumble rising to a roar. No perspiration or very rare in intensest heat. Grumbling when loaded. Bite if dare. Try to rise. Kept down by tying halter round the doubled fore-legs. Grumbles if try to make him hurel to remove load. Fairly going quiet very. No noise from a string of loaded camels but cry of driver. Strange silence of such a procession along with great motion of rider. Live on hump. Arabs judge condition by. Milk mixed with meal. Prefer that melted by time (boiled) to new. Rancid butter. Do valuable to eat flesh often. Fair use of Pull it out when loose. Value like wooten Co. Dif. as between dray-horse & hunter. Color white to black.

JULY,

TUESDAY 10.

1877.

Took the Metropolitan cars this A.M. from Gower St. to So. Kensington. Saw the Albert Memorial and then walked back, got something to eat and visited the So. Kensington Museum - an immense Art Collection. About the middle of the P.M. I went into the Horticultural Gardens which were engaged for the great Temperance Fête of the day. Heard the band of the Horse Guard play, looked through the Conservatory and rested. At 6 I went into Albert Hall - very large and fine. Exercises began at 8 with a musical entertainment. The great organ played and there was singing by 600 boys of the Greenwich Hospital School - both very fine. Some ladies also sang. After a short speech by the Chairman Dr. Richardson made an address. I was very glad to see & hear him. The next speaker did not make himself heard & I returned to my boarding place which I reached soon after 10.

R. F. Burton, Pilgrimage to El Medina & Mecca. - Three Races of Arabs.

1. Indigenes or autochthones - Sub-Caucasian tribes met within provinces of Mahrah, & along coast between Muscat & Hadramaut. Inferior race.
2. Adversae. Nubians - a great Chaldean or Mesopotamian tribe. Entered about 2200 A.C. & by slow & gradual encroachments drove before them the ancient owners & seized happier lands of Arabian. Vast Amharic tribe & Negri families are types of this purely Caucasian & highly civilized race. Have the "marks of blood".
3. Ancient & noble stock dating from A.C. 1900 - descendants of Ishmael in Sinaitic Peninsula. Retain wild customs & untameable spirit of forefathers. Confined to the mts. where they dwell in the presence of their brethren. Admixture of Egyptian blood. Sub-Caucasian. Burton makes 1, Arab & Aribah.

London-

JULY,

WEDNESDAY 11.

1877.

My Birthday.

Thirty-nine years old. How time flies. Oh that I might accomplish much this year. I thought it would be fitting for me to visit Greenwich Observatory today. So I took St. Swinburn's Street Billingsgate in my way & went into that wonderful old relic of antiquity the Tower. Then from London Bridge I had a fine sail down the Thames to Greenwich. Went to the Observatory. Walked around it and stepped inside the gate but the Porter could not take me over the Buildings. Took a lunch in the fine Park and fed the deer. Returning to the Pier I sailed down to Woolwich & back to London Bridge - enjoying exceedingly my ride on the River. Went to Cook's Office but found no letter from home there. Had one from Mr. Austin telling me of the death of Mrs. Matthews and Dr. Hall. After my return I wrote to Mrs. Stall and to Mr. Austin and so finished out a busy day.

Color of Arab - "dark leonine", Varies from deepest Spanish to chocolate.

Xanthous complexion rare, leucous never.

Hair coarse becomes coarse & wavy in long locks or cut close gives ^{fine} look.

Bones of face prominent.

Deep jetless deep-set eye, denoting inspection.

Dark brown or green-brown.

Ears "castey" & elaborate. Nose generally aquiline - well made with septum lower & a delicate nostril which swells in anger.

Beard 2 tangled tufts on chin, cheek bare or with straggling pile.

Expression of face dignity.

Walk light & springy.

Courious wary as a rule. Should marry is their idea.

Warrior soon become laager.

Best character a truly noble compound of determination, gentleness & generosity.

"People of the Black Tent!"

JULY,

THURSDAY 12.

1877.

Went to Mr. Cowie's Office in the morning and drew the rest of my money. Then I went to the Crystal Palace where I remained till 5. Found considerable to interest me there and occupy my time.

How fabric of society supported.

1. Furthest, strongest & craftiest has supremacy - gains it.

2. The blood feud is feared

3. Immemorial customs (Kazi el Arab.)

Not cowards but hesitate to shed blood.

True love among them -

"Dakhlak ya Shaykh". My protected

© Sir. Espouse your cause more than his own Name of Harari - brigand honorable.

© that my son had perished of a cut-throat.

To be tamely plundered especially of the mare a lasting disgrace.

About \$1000. in live stock price of blood.

Spears at least 12 ft. long - of red from India &c.

Popularly said of Arabs claim between Mecca & Medina - a man will lose a fly camel & know her four year old colt by its foot - such is their instinct in the art of Asar or tracking.

Now one comes to observe tracks in the desert.

We pray not because we must drink the water of abstinence, we give no alms because we ask them; we fast not the Ramadan month because we starve throughout the year; & we do as pilgrims - age because the world is the house of Allah. Not true no regard for religion in Sinai. Efforts of monks Superstitions.

Trust to their honor & you are safe to their honesty & steal hair off your head - as was said of the Crown.

Eat salt together but every day.

Black-mail. Doubt pay may be plundered or murdered.

Arabs simple dress always picturesque.

Hufiyah, Akhal (fillet) Hizam, waist belt of leather. Saub (Tobe). Shirt.

Aba. Hair of women in little pig-tails & copiously anointed w. clarified butter.

London -
Epping Forest

JULY,

FRIDAY 13.

1877.

This A.M. I went to Loughton and from there I walked a little ways to Epping Forest. Visited the stump of the Royal Oak and then went to the High Beaches where I ate my lunch. Afterwards I botanized for two or three hours and a little before 4 I took the cars back to London.

Mr. de'Barlane a Sedoti clergyman gave me an order for admission to the House of Commons tonight and I went - but the House was counted out - the first thing and we did not get inside the door.

Chamber's.

| | | |
|--------|--------------|--------------------|
| Acacia | gummifera | } Grow in Africa - |
| " | Seyal | |
| " | Chreulbergii | |
| " | tortilis | |
| " | Nilotica | |
| " | vera | |
| " | Speciosa | } S. of Asda. |
| " | Arabica | |

True Bedouin very abstemious capable of living 6 mos. on 10 oz. food a day. The milk of a single camel & a handful of dates dry or fried in butter enough.

Bedouins.

Great similarity between Arabs & N.A. Indians - no identity of origin.

Bedouin superior from better treatment of women, higher development of intellect & glorious page of history which he has filled.

Bedouin plural of Bedawi anadj. from Baku a desert. "Men of the desert".

Easily arranged by a jest. Ask Bakhish yourself or reply Bakhish.

Bakhish. Save an Arab's life at risk of your own. Ask it. Employ son & father ask. Letting my horse go & asking

where he got it back. What or Akhal varies greatly

JULY,

Parliament & Automata.

SATURDAY 14.

1877.

Went to Mr. Cook's this morning and got a letter from Mother. Since I went to the Parliamentary Building and went through it. I spent the P.M. in the Reading Room of the British Museum. In the evening I went with Rev. Mr. Wardle to see the Automata Joe & Psycho and the Spiritual Manifestations (by conjuring) at Egyptian Hall. The Exhibition was very curious.

Palissy, Bernard de. Born Agen France about 1524 died about 1590

Protestant. Sometimes threatened at that acct Henry III. said to him. "If you do not change your religion I shall be compelled to give you up to the power of your enemies." Reply:

"Sire, you have often said that you pitied me but I must now pity you for your expression of I shall be compelled; give me leave to tell your majesty that it is not in your power to compel a potter to bend his knee before the images which he fabricates!"

Brought up as common laborer, also employed in surveying. Destitute of an ed. but very accurate observer of nature.

Concealed religion. France formerly covered by sea & propagated his opinion at Paris with greatest boldness against last of opponents. Considered a species of heresy.

After his career in Pottery took up chemistry & applied his knowledge to improvement of agriculture. First who formed collection of N.H. at Paris upon which he gave lectures at half a crown each person, agreeing to return money 4 fold if he taught anything that proved false. 1563 printed a work in which he first taught true theory of Springs & first asserted that fossil shells were real sea shells deposited by the waters of the ocean.

One of the greatest of men

London -

JULY,

SUNDAY 15.

1877.

Went to St. Margaret's, Westminster to hear Dr. Farrar. Was disappointed. He preached in Westminster itself close by and I heard a moderate sermon by a Mr. Montgomery and got quite well going & coming. Did not go but in the P.M. but attended on a place of a sermon. In the evening I called on Rev. G. S. Abbott whom I met this morning to my great delight. He is going away tomorrow morning.

Arabs. Bedouins are fine specimens of the human race. Tall statily, well-cut features. Every man walks as if he were monarch of the world. When they visit the cities they hate so much, can be distinguished by their demeanor. Lady Duff Gordon says: "To see a Bedawee & his wife walk thro' the streets of Cairo is superb. Her hand resting on his shoulder & scarcely deigning to cover her haughty face, she looks down on the Egyptian veiled woman, who carries the heavy burden & walks behind her lord & master. Being predatory race always go armed. Chief weapon (was) the spear of enormous length. Their guns! Robbing a traveller. Afterwards will take him into their tents give him old clothes, feed him & even guide him on his way.

Anyone make a Bedouin tent in a few moments. Few sticks 5 ft. long. Very dirty sackcloth & black. Peg edges to the ground. Not regarded as wd a house - only a shelter. Tents in semicircle. Children play in centre. Sheikh's tent rather better. Furniture a mat or 2 & a few pots. Rich have brass pots.

Bedouin miserable in a town as a wolf in a trap. Streets oppress him & in a room scarcely breathe. He & his camel long for free air of desert.

Bedouin girls, tall well made & graceful but have not gentleness & softness we associate with woman. Dirty, evil odors, screaming voices, detestable manners. Cover arms, chins, foreheads with blue patterns tattooed such as stars. Rarely veil themselves.

JULY,

MONDAY 16.

1877.

As it was raining this morning I did not go away but spent some time visiting the British Museum and gave the afternoon to reading in the library. Wrote home in the evening.

Arab - lively & talkative - fond of singing in odd mixture of high screaming falsetto & guttural intonation.

The Arabs of inhabited lands & organized govt (Central & Eastern Africa one of the noblest races of earth says a great traveller - Palgrave.

Sheikh - only primus inter pares. Obey him as long as they please only.

Wars for camels, horses, guns, property, never for home, home, country, anywhere honor - never heard of its religion - guns & cares for none. For land & home horse or swift & ready destroy whole clan.

Bread - how simple - Date, Marvellously ^{marvellously} & Superstitious -

One of our Arabs making a shirt -

London-

JULY,

TUESDAY 17.

1877.

This morning I went to the Tailors to have a button hole fixed. Then I walked to Buckingham Palace & the Horseguards & Downing St. Saw the changing of the Guards both at the Palace and at the Admiralty. Then visited the National Gallery of Painting and the Geological Museum of the School of Mines on Jermyn St. Went to St. Helen's Place and arranged to sail on the 24th by the Abyssinian. Went to Paternoster Row, Ludgate Hill & the Strand to do errands. On my return put my specimens in order. In the evening wrote & talked with Mr. Cook, Dr. Beadle & others.

Landseers Painting, National Gallery.

"But twice a famous victory".

"Shoeing the Bay Horse"

Sleeping Bloodhound

Bloodhound & Pepp-

Alexander & Diogenes

High life & low life.

War -

Peace.

Maids & Magpie.

Highland Dogs

Dignity & Impudence

The Hunted Stags

King Chas. Spaniels!

The Horse Fair, Rosa Bonheur.

Turners Paintings

Wilkie's, West's, Rubens'

Destruction of Pompeii.

First I went to the Museum of the Linnean Soc. I had no trouble in getting in and the Janitor showed me the Herbarium of Linneus. Looked at *Linnaea borealis* and at the genus *Andromeda* and one or two other specimens. Saw his walking staff on the head of which is cut C.L. and the figure of the Linnaea. Saw also his collection of insects. The drawers were the original ones and seemed to be of birch. The insects were on the common pins of his day. All was in good condition. There were 60 drawers I believe. The collection of shells which I saw was smaller. His library also was here. ^(Next page) Of the plants there are 13,737 species. They are on roughish white paper about 7 by 13 inches in size. Done up in brown paper for preservation. See Asa Gray's article on European Herbaria.

Hence I went to the Dore Gallery of Paintings. Christ leaving the Oretorium, The Dream of Pilate's Wife & others are very fine. His triumphal entry into Jerusalem is not to be forgotten. Did a few errands and went into the Museum to look at shells & read the rest of the day. In the evening Dr. Beadle named most of my eastern land shells.

Saw the pearls which Linneus caused to be artificially produced in a Mya. Made more money on this than on anything else.

Shells. Notes on from Tristram.

Telamonia prasaria - Shor everywhere.

Costata Galilee Lake & Jordan.

Sauleyi Ain Sultan.

p. costata semipalm in the Shor.

Vermetus Jordan near Acre.

On beach of Dead Sea.

Helix Syriaea & *carthusianella*.

London

JULY,

THURSDAY 19.

1877.

Went to Mr. Cook's office this morning and then did some errands and went by water to Westminster & to the Royal Aquarium. Had to wait till 11 for it to be open. Does not amount to much. Returned to Ludgate Hill and waited about till after 1 for Mr. Cook whom I finally saw. Then did shopping, buying books, shells &c and reached 59 Great Russell St. about 5.

(See last page.) After the death of Linnaeus jr his library was father's herbarium was offered for sale. Sir. Jas. E. Smith a young English medical student promptly purchased it with the library, insects shells &c. for 9000 guineas. It is said the King of Sweden who was gone at the time on his return from France sent an armed vessel in pursuit of the ship containing these treasures & which had just sailed for London. There is much question as to this but certainly there was great regret in Sweden after the death of Sir J. E. Smith the herbarium was purchased by the Linnaean Soc. which still keeps it at in its rooms at Burlington House. To preserve it from the penetrating smoke of London the sheets are wrapped in groups in strong paper lined with muslin. Said to be 8000 species. Small but well preserved. Paper foolscap size.

JULY,

FRIDAY 20.

1877.

Rose early and packed my trunk
and took it to the Midland Station.
Then went into the British Museum
for an hour or two. Went down to
Mr. Cook's office and arranged about
my letters &c. Then went to Regent
St. & selected Stereoscopic Views.
Took an Omnibus to Hyde Park and
saw the Fashion of London ride out.
Walked across this beautiful Park
and came back to Great Russell St.
Was disappointed in not getting another
letter from home - from Phoebe at least.
Retired early.

London to Edinburgh

JULY,

SATURDAY 21.

1877.

Rose about 3 1/2 and at 4.45 I bid good-bye to Chas. leaving a note to Mr. Cook and rode to the Station. The train left at 5.15. It was cool at first but soon became pleasanter. We fast swiftly through the smooth green fields of England. The country is now in its richest dress. Bedford was soon reached and then Leicester and after a while Sheffield and then Leeds which we reached about 10.30. At Leeds we had to change. Here we rode back & round & on to Settle & Shipton. Here we were delayed about 3/4 of an hour & had to get into a smoking room where the seats were not cushioned. We were crowded at that but as there was no use in complaining we made the best of it. Through the north of England from Leeds we passed through a great coal mining section & more hilly. From Shipton the hills increased in to great moor-like mountains. We rose up into the mist where the grass gave place to sedges & rushes & a fine drizzle hid all. Then through long tunnels down to Carlisle - a city of red brick on the Eden in a fine country, apparently. Then on across the Liddle into Scotland. Soon we were climbing again up & over to Hawick and soon after we were at Melrose where I stopped. A Scotchman who had been in Am. accepted me as an American & had a talk with me on the platform. Then I went down to the beautiful Abbey looked it over and got something to eat. At 6.17 I took a slow train for Edinburgh. Saw considerable of Scotch life in the car which was an open one. Passed the triumphal arch erected to Geo. IV on the grounds of the Duke of Buccleugh. We saw some other ruins. Reached the Cockburn Ho. at Edinburgh at 8.20. Located in Room 80 and wrote. More fine building here than I expected.

Edinburgh-

JULY,

SUNDAY 22.

1877.

Being very tired I had a long and refreshing sleep last night. Heard Rev. ^{Alex.} White in Church at 11. He gave an interesting and profitable exposition of Rom. VII. Went there with two young Baptist ministers graduates of Spurgeon's School. Went out about 1 1/2. Spent an hour wandering about the city & inquiring where Dr. Chalmers preached in vain. Nobody knew. The bells were tolling & to go somewhere I asked a gentleman who preached here "This is the Golgotha Church" - "Mr. Wilson is to preach." I will leave the pleasure of listening to you. "Living epistles" was his theme. The discourse did not interest me nor hold the attention of his people. But he is said to be a good man & I believe it.

A farmers table d'hôte at 4.30. In the evening in spite of some rain I heard Rev. Mr. Puleford Independent at Albany St. Chapel. His text was the three questions:

"Whom do you say that I the Son of Man am?" "But whom do ye say that I am?" "What shall I do with Jesus that is called the Christ?"

Mr. P. is sensational in use of voice, in grammar, & expression of thought. He held the attention of the full house at any rate - and I rejoiced that Christ was preached even in this way.

Edinburgh.

JULY,

MONDAY 23.

1877.

Breakfast at 8 $\frac{1}{2}$ after which I walked to the Royal Botanic Gardens. The Greenhouses were not open till 12 unfortunately. As I had seen about enough of the grounds it began to rain. Found the Museum open and spent an hour or two, there very pleasantly waiting for the rain to cease which it finally did so that I got to the Hotel very comfortably & changed my coat. Then went to the Castle and down the St. from there. It soon began to rain copiously. Went into a Bakery, waited & lunched. About 1 went to Holyrood Castle getting quite wet on the way. Was much interested in seeing an old Palace - in its plain & worn out furniture & apartments such a contrast to the royal abodes of the present. Hence I went to the Museum of the University where I spent nearly two hours. Then I went to Calton Hill - and to St Andrews Square. Returning to the Hotel I wrote home, read, &c.

Exhibited in Museum -

Enfield Rifle. 61 parts formed in 732 operations.

E.g. Stock after each of 24 ops.

First the piece sawn out of a plank. &c.

Hammer first as piece of steel & after each of 26 operations.

Skeleton of Sibbald's Porquial -

Balaenoptera Sibbaldii 78 ft. long.

to Inverness

JULY,

TUESDAY 24.

1877.

Rose early & took the train which should have left at 6.15 but did not till nearly 7 o'clock. Fertile country - Wheat, oats, potatoes, turnips & grass. Passed over Almond Water & through Linlithgow, Falkirk, & Bannockburn to Stirling just this side of which we were delayed another half hour by a car off the track. Leaving Stirling we saw Cambuskenneth Abbey & crossed the Allan river. Saw also at Dunblane the Cathedral less elaborate than Melrose or Roslin but in its way one of the best specimens of Gothic architecture in Scotland. We reached Perth very late & to find that the Inverness train had gone. This spoiled my intended walk through the Pass of Killiecrankie. Remained here till 11.50. My companions were almost to Inverness were Dr. Elder, Free Pres. Clergyman of Rothsay, Bute, and a young lady perhaps his daughter. Dr. E. was very talkative and gave me much information. Our course was now along the Tay & I saw Seacroft Palace of the Earl of Mansfield across the river. We passed up a rich valley below the hill of Birnam (written in Hamlet) to Dunsinane a village situated in a beautiful valley of groves & thickets. Had a view of the Cathedral. Here we passed into the Highlands & soon flew through the wild pass of Killiecrankie. At Blair Atholl I saw the Castle of the Earls of Atholl. And now we rose up among the mountains & over the bleak heaths. ~~Some~~ ~~partly~~ drift appeared on the bare hill tops & we passed on the left two lakes - the second Lake Erribh. Cairn Gorm appeared on the left & one or two "Ben's". We now followed down the river Spey. ~~Saw some of the~~ ~~fine~~ ~~forests~~ ~~of~~ ~~Gothic~~ ~~monks~~ ~~&~~ ~~Glennmore~~ - the rugged mt. of Craighallach, the rendezvous of the Clan Grant. Castle Grant (Earl of Seafield) Brae Moray a wild heath region. A better cultivated country with glimpses of Moray Firth. Forres. Mountains N. of the Firth. And then the Sutors (Shochers - fauciful) of Carnarvon. Soon Dr. Elder got out and then after passing the field of Culloden we reached Inverness. I took Room 20 at the Waverly Hotel. Some showers & much cloud today.

Inverness to Oban

JULY,

WEDNESDAY 25.

1877.

Rose at 5 and at 6 $\frac{1}{2}$ took the omnibus to the Steamboat on the Caledonian Canal - the Gondolier which started at 7. Passing along the Canal quite a distance we came to Fort Augustus. Here we had to work our way thro' 7 locks. We spent the time on shore. I bought some scones & oatmeal cake. After we had gone a short distance on Loch Ness the Steamboat waited while we all walked & rode to the falls of Foyers - the chief one 200 ft. high. I got some of the wonderful crimson heath now in bloom. Opposite we passed Urquhart Castle. Loch Ness is 24 miles long & averages $1\frac{1}{2}$ miles wide. The shores generally rise abruptly in steep green hills. (The 7 locks & Fort Augustus are at the W. end of Loch Ness.) We then passed through Loch Giech & saw Invergarry House & the ruins of an old castle of the chief of Macdonell on the West shore. This loch is the highest & smallest of $4\frac{1}{2}$ miles. Contains islands. Then we descended to Loch Lochy 10 miles long & about 1 broad. Passing some distance in the Canal we were taken in omnibuses to the Steamer Mountaineer at Corpach on Loch Eil which is an arm of the sea. All along here we had fine views of Ben Nevis 4406 the highest summit in Great Britain. Passing Fort William & touching at one or two small places we came to Ballachulish near Glencoe. Another hour took us to Oban. (54 Caledonian Hotel.) The day has been cloudy breezy & rainy & I have been uncomfortably cool much of the time. Read much in Baedeker's Palestine. Caledonian Canal - chain, fresh & salt-water lakes extending from Atlantic to German Ocean through Great Glen of Scotland - 60? miles. 37 $\frac{1}{2}$ natural sheets of water 23 cut as canals.

Staffa and Iona.

JULY,

THURSDAY 26.

1877.

Arose at 6 and left at 8 on the Pioneer for Staffa. We passed between the Gold shores of Mull & the main land for many miles stopping at two or three ports. When we got out of shelter of Mull the sea was somewhat boisterous. About 12 1/2 we were landed at Staffa in boats near the Clann Cave and walked over the basaltic columns to Fingals' Cave. I went a little ways beyond the plank walk or nearly to the end. Wonderful! See books for a description. Nowhere in the cave or near it could I find or break off a bit of the rock. "Take all you want but do not carry away any that is not loose," said some one. By a stairway we went to the summit of the island overhanging the sea at the western side. A herd of cattle with long haired foreheads was feeding there. Had rather a rough time getting off & on the Pioneer. Less than an hour took us to Iona where we landed very comfortably & spent nearly an hour visiting the Cemetery, Cemetery & Monastery. The 2 Ruined crosses still standing of 160 before the Reformation broke them down were very interesting. The figures of Scotch lairds on the stone of the Ribs were very remarkable. Saw also in St. Cran's Chapel two graves of Ribs said to be those of Columbus and his servant. Taking a direct course hence we had a heavy sea & rolled much. Saw many basalt cliffs along the precipitous shore of Mull. Before reaching there however our steamer ran through a group of wild islands of red granite. We were back about 6 1/2. The day was dull & often raining but I enjoyed it much & I was glad too at it close to be ready to start for Liverpool & home - if the Lord will.

Oban to Glasgow

JULY,

FRIDAY 27.

1877.

Took the "Chevalier" at 8.15 and soon Oban was fading from vision. Through the Sound of Scarpa we went stopping at Easdale where there are slate quarries. About 10 1/2 we took a small boat on the Crinan Canal. Reaching the Locks we walked a mile or two & got crackers with & cheese while waiting for the boat. The first part of the way the canal passed under continual banks of flowers & rich herbage. Frequent showers were unpleasant. Canal from Crinan to Ardrishaig, 9 miles with 15 locks. At the latter place we waited some time before the *Thetona* arrived and discharged passengers.

Passing through the interesting scenery of the Fyles of Butte we reached Rottasay quite a large place. Then we entered the Firth of Clyde, and saw many steamers and vessels sailing. Dumbarton Castle was seen later - after passing Greenock where our crowded boat was relieved of half its passengers. Then we saw the monument to Bell who first introduced steam navigation on the Clyde & the spot where the Wall of Antonine or Trajan's Dyke is supposed to terminate. Through fleets of steamboats resting on the ways of the shipyards we passed to Glasgow.

Went at once to the Caledonian Railway station & secured a Second Class Compartment. Left at 9.10 all alone. The fires streamed from groups of iron chimneys all along the road. Dr. MacCosh came to Glasgow with us.

Liverpool & the "Abyssinia".

JULY,

SATURDAY 28.

1877.

Had the compartment to myself till 12h.
Carlisle when a man & boy took the other
seat. So I had a comfortable night.
We ran rapidly by the N.W. R. line &
reached Liverpool at 4.10. I got a room
in the Station Hotel & went to bed till
7 1/2. After breakfast went to the Custom
Office looked a some of the Dock & did
a few errands. It rained too much
however to be agreeable going out and
so I went to the Landing Station & read
the papers till I could go on board the
tender. Dr. Riggs was on board to see his
blind son Charles off for America, the
son went at Constantinople & Athens.
Young Washburn was with him to ac-
company him to America. We went out
at 11 and the Abyssinia started about 12.
It was misty most of the time so that
I saw only the last of the docks. My
roommate is an elderly N. Y. merchant a
quite fashionable man. I have the upper
berth - no. 62. Found letters from Mother
& Sister & also from Miss Drake. Replied
to the latter & did other writing & reading.
It has been more or less foggy but the
sea has been quite smooth today and
sometimes the sun has shone brightly.
Two Rutland men are on board.

JULY,

SUNDAY 29.

slept soundly till considerably late
 this morning. Soon after breakfast
 we came to anchor in Queenstown
 Harbor. There were ~~two~~ American
 vessels here and quite a number
 of other nationalities represented.
 The day was very bright & beautiful
 & the shores were green & the city
 appeared fresh & fair at this
 distance. We had to remain here
 till 3½ waiting for the mails. Many
 went ashore. I read Heble some
 besides my bible but was allowed
 into spending too much time in
 talking and that on all manner of
 subjects. At the 4 o'clock meal I
 had occasion to argue wth vegetari-
 anism and we had quite a lively
 discussion of that matter as well
 as of Mr. Beecher's innocence. A
 lawyer who sits opposite & myself
 waxed very warm over the matter.
 Soon after the 4 o'clock meal-
 dinner they call it a fog came
 down and the green shores of
 Ireland and of Europe were seen
 no more.

50° 57' N. - 14° 47' W. ~~204~~ m. 196
JULY, MONDAY 30. 1877.
from Cape Clear.

It was foggy much of the night & the steamer whistled often. The noise of changing sails woke me about the middle of the night & I remained awake sometime. Rose at 7 and read a while before breakfast. Spent the forenoon in reading & conversation, and the afternoon also except some little time which I gave to writing.

Dogs of Constantinople.

Divide the city into districts between them. Thus 10 or 20 hold a section & will allow no other dog to come on their beat. Each band has a chief in some stronger nobler dog.

Mrs. Wallburn once saw a man bring out from a restaurant a basket of odds & ends refuse food & pour it down in middle of two cross-roads. Immediately a large dog appeared & went to the opening of each of the four roads & barked. Immediately the dogs poured in from each of them, all arrived. Then, signal & all went at it together.

Near Mr. W's house at one time rubbish heap. Old dandy went with flock of sheep & goats to lead them & carry the shepherds things. Gied, jumped it one night & threw body on the heap. The dogs of the district fell on it & ate it all they could. Then invited dogs of a neighboring district & retired. When eaten all could retired & dogs of another dist. came & so on till dark. Eaten up & all but large bones left white & clean. Another pack then came & dogs of district fell on them & drove them away.

Often fight & then make treaty. one party ceding a street or district to another. Turks beat & abuse but ~~are~~ won't kill.

Once carried 600 to an island in Hermara some 12 miles away. Killed & ate one another till all gone. Howling & yelling so fearful people on an island 3 or 4 miles away could hardly stand it.

50° 25' N. & 22° 45' W. 304 m.

JULY,

TUESDAY 31.

1877.

Quite a clear and comfortable day. The wind will probably be from the West all the way over. We passed several vessels nearer or farther off. Wrote most of the A. M. Talked all the P. M. with a Chicago lawyer and walked with Chas. Riggs after our 4 o'clock meal for a long time later reading. Kable to him.

Atlantic Ocean. Dit 299

AUGUST, WEDNESDAY 1. 1877.

Another bright morning with a
pleasant sea. Wrote, read, walked,
played "ring-toss" &c.

47° 24' N - 37° 25' W. Dist 307

AUGUST, THURSDAY 2. 1877.

This A. M. I finished - so far as possible
now - a review of "Hawthorne" Ps. 90. 1. In
the P. M. I played a game of Shuffle-board
Read Kieble &c. today.

Abyssinia -

Saloon Passengers 58 including.
P. Bass, Chicago Lawyer. Born in Vt.
J. M. Emerson
R. Hazard, wife, 2 sons 3 daughters, Providence
C. A. Jackson, Lawyer, N. Y.
Julius Levy, Grain Shipper, German.
Andrew Muir, Eng. Merchant Rio Janeiro.
R. H. Newton, Epis. Rev. Son Dr. Newton.
Chas. Riggs
Henry H. Smith, Lawyer Rutland Vt.
Dr. Spencer, Englishman, Canterbury.
J. H. Washburne,
Rev. W. C. Williams, Pres. Formerly Sandusky.
Z. V. H. Williams Willson, Rutland Vt.

AUGUST,

FRIDAY 3.

1877.

It was very rough last night and the boat rolled badly so that I slept but very little. Listened to the music (!) of the roaring sea, the creaking of the woodwork and the noise of the engine. Was unable to do anything this forenoon. Ate but little at 8½ and 12. Lay on the seats & read a little in the A. M. Took a good nap in my berth in the P. M. afterwards I finished reading Hobbles' Christian Year. After dinner I walked with Chas. Riggs and read to him in the evening. The sea is more comfortable tonight.

"There is no philosophy in my religion. I am of a very small & despised sect of Christians, known, if known at all, as Sandemanians and our hope is founded on the faith that is in Christ."

In answer to a private letter.

"The natural works of God can never by any possibility come in, contradiction with the higher things that belong to our future existence."

He knew full well that he had carried his monument in the consecrated palace of the dead. For himself he directed: "To have a plain simple funeral, attended by none but my own relatives, followed by a gravestone of the most ordinary kind, in the simplest earthly place." And so he was buried in unconsecrated ground (at Highgate) & the silent service at his funeral consisted only of the tears & thoughts of the few relatives, whom he wished to have there.

"I cannot think that death has to the Christian anything in it that should make it a rare or other than a constant thought."

See especially Vol. II. 428.

Life & Letters of Michael Faraday.

See July 8.

43° 06' N. 49° 02' W. Dist. 280

AUGUST, SATURDAY 4. 1877.

Wrote and read much of the day.
The sea was still high, but I slept
well last night.
Finished ~~Hubert~~ today and reading a
volume of botanical tours by
Macmillan.

42° 13' N. - 54° 31' W.

Dist. 247.

AUGUST,

SUNDAY 5.

1877.

Last night we had the heaviest sea yet. The steamer did not roll much but pitched terribly. The shock of the thundering seas was terrific and when the seas came out it made the whole vessel tremble. The sea was quiet after midnight and went down rapidly in the A. M. The ship's Dr. read service in the Saloon at 10 1/2, the 1st voyage reading one ~~new~~ chapter for him. Read much in a Vol. of Sermons by Macmillan. Had a quiet pleasant day. At night a black shower came up & then when night seemed on us the sun suddenly like a red bale fire shone thro' the clouds low down & set in a red glory that was very remarkable and such as I never saw before. The sea was very easy tonight.

A flock of about 30 petrels followed us most of the time - yesterday I think it was. We have had no gulls since we were a day or two out. Shearwaters are seen everyday skirting about but they do not come very near. Sometimes we have seen higher flying birds - gulls or fish-hawks. Once we saw a thrasher and once a school of porpoises.

N 41° 32' - 61° 22' W - Dist. 308.

AUGUST,

MONDAY 6.

1877.

a warm ^{quiet} night. I rose early & found the smooth blue sea basking in brilliant sunshine. Wrote much today and read *Faraday's Life & Letters*. We saw many vessels & passed quite near a freight steamer. The sunset was fine with vermilion and rose. In the opposite heavens rose vast fleecy thunder heads behind which was a background of saffron cirruses. In the evening these clouds stood out in dark relief against flashes of lightning - the thunder clouds at least thus stood out.

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40° 58' N - 67° 55' W. Dist. 297

278 miles to Sandy Hook.

AUGUST,

TUESDAY 7.

1877.

We took on board a pilot at 3 1/2 this morning from Boat No. 3. I rose to see the operation. Boats 11 & 15 were also near. A light at the mast head besides one below denoted their character. We were about 377 miles from Sandy Hook. The sea was smooth, the stars bright, the crescent moon high in the E. & the flush of the coming day on the horizon. Returned to my bed till 6. Wrote and read quite diligently through the day. Had a rather heated religious discussion in the evening with Mr. Emerson. Finished an examination of Faraday's Life. We were 278 miles from Sandy Hook at noon.

PP 2-30 New York. N 82008

AUGUST, WEDNESDAY 8. 1877.

For the last part of the night & all the a.m. we were obliged to run slowly & often stop & call the lead. My hopes of reaching Bristol today were abandoned.

At 11 however we sighted the high land of New Jersey dim on the western horizon.

Everyone was dressed in his best & there was a general state of expectancy & excitement.

About 12 we saw the dim land of Staten Island and later it came on plainly and also the Long Island shore.

Soon after noon we were abreast of Sandy Hook. It grew very warm. The Channel was dotted with vessels. We had to ~~use~~ drop anchor & wait sometime for the Health Officer & Revenue Officials. Then we had to make out a paper & swear that our baggage contained nothing dutiable.

We now passed steadily through the Narrows & amidst the old familiar scenes. We reached the Pier soon after 2, but were an hour pulling in.

Breaking our hammer & pulling over a post. Had to wait sometime for the officer to mark my baggage. The Rev. of my name & the fact that the Inspector & Officer both knew a man just of my name in Greene Co. N.Y. propitiated them so that I had to open nothing.

only affirm. to. Bid good-bye to Mr. Emerson my room-mate & all the others. Sent my trunk by Express & found my own way to the Grand Union. In evening went to Reading Room of the Christian Assn. & sauntered about the city. Am well satisfied to compare N.Y. with London or even Paris on the whole.

Bristol -

AUGUST,

THURSDAY 9.

1877.

Took the cars at 8.05 to Hartford. It was dark & misty & I saw no one I knew. The cornfields & the apple orchards delighted my eye though there has been abundant rain. The vegetation appeared generally inferior to England's and the wooden houses looked cheap to me. I should have gone up the Canal Road for I had to wait from 12 to 4.20 at Hartford. It rained & I could not go out but read the Pop. Science Monthly & the time passed quickly. At Forestville I hired a conveyance to Grandpas. Found them all as well as usual. It was good to be with them once again.

Bristol

AUGUST,

FRIDAY 10.

1877.

A

Unpacked this morning. At 10¹/₂ I went to Aunt M's & stayed till after dinner. Spent the rest of the day in visiting & looking over my curiosities.

Lay awake a long time considering Smith's invitation to come out to Santa Fe.

AUGUST,

SATURDAY 11.

1877.

Looked over papers, read to the 11.
After dinner I wrote for a time. Then Uncle &
Aunt came up & I showed them many of
my curiosities - Wrote & read in the
evening -

Bristol

AUGUST,

SUNDAY 12.

1877.

Attended Public Worship at the center this forenoon. Rev. Mr. Vorce of Derby preached an excellent sermon on *James 1: 18: 9, & upon Self-Righteousness*. Spoke with several friends. Was at home the rest of the day, reading, studying the Bible, singing & enjoying the society of the friends.

AUGUST,

MONDAY 13.

1877.

Showery today. Rose early and finished
some letters & then wrote most of the
A.M. In the A.M. I set some currant
cuttings read and visited.

Hartford.

AUGUST,

TUESDAY 14.

AUGUST 1877.

At 7 I rode with Uncle J. to Hartford. M
Called at 65, Farmington Ave. Ellen st
came to the door. At first she did not P.
know me. Then she called me Mr. Crafts. pa
Saw Mrs. Beresford and got permission
to have my trunk and things remain in her
garret for the present. Did a little business
in Hartford and read the Reviews for two
or three hours in the Athenaeum Library.
We left at 2. I brought home Mary's sled
and some other things. It was 5 1/2 when
we arrived at Grandpa's.

Bristol

7.

AUGUST,

WEDNESDAY 15.

1877.

1. Wrote all the forenoon and
studied, visited and read in the
P.M. We had a great rain the last
part of the day.

Bristol.

AUGUST,

THURSDAY 16.

1877.

Five of us drove to Isaac Pierces this morning. After visiting there a while we left Segundina and went to Compoince Pond. Looked at the Cave and rotered about the grounds for two or three hours. We took dinner at Mr. Pierces. Read and visited in the P.M. mostly. Set out a small bed of strawberries towards night.

AUGUST,

FRIDAY 17.

1877.

Wrote this A.M. and in the P.M.
evening I strolled in the fields
botanized and talked with
Grandpa for a long time. Went to
Uncle Is in the evening -

Bristol

AUGUST,

SATURDAY 18.

1877.

Uncle A. took me to the P. O. this morning and I got a number of letters. On my return I wrote several and did other work in the way of writing. In the P. M. I read and wrote and visited and did a little botanical study. Intended to call on the Lawises but the showers prevented.

Heard Mr. Riggs this A.M. As I was coming out - I heard to my surprise that Lewis was there. Finding him outside I went home with him and spent most of the P.M. there. At 4 he walked over the hill with me and most of the way to Grandpa's. Hope the P.M. was not altogether profitless to us. Read sermons of mine aloud and sang in the evening -

Bristol.

AUGUST,

MONDAY 20.

1877.

I wrote most of the A.M. About
the middle of the P.M. Lewis came
and stayed till after tea. Visited in the
evening.

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To No. Greenwich.

AUGUST,

TUESDAY 21.

1877.

Packed this forenoon and made a short call at Uncle Is. At 11 Uncle and Mother went with me to Plainville. Had 40 minutes to wait there and some two hours at New Haven. Reached Port Chester at 5.44. Found Dea. Wilcox there with a buggy. It was pleasant to see him once more. He does not seem to have grown old any. Had a pleasant evening at his house.

No. Greenwich.

AUGUST,

WEDNESDAY 22.

1877.

I went over to the Sloop this morning after breakfast and saw John Bullock and many other old friends. Old Mrs. Rowell was very glad to see me. Called on her & Mrs. Stratton on my way to the Ridge with Dea Wilcox. Stayed sometime at Dea Obadiah's. He has grown old surprisingly little. Called at Mr. Winters & took dinner at Mr. Savage's. After it I called at Silas Meads and James Palmer. Did not see Silas Mead himself nor Dea. Hervey to my great regret. As I had promised to talk about my travels in the evening and wanted to rest and prepare some I spent the rest of the P.M. at Dea. W's & in my room. Mrs. Amy Close and her son & the younger Knapp children came there to tea and I visited with them some however, and rode with Peggy when the Knapp boys wanted I should try. She seems as well and fat as ever. The Chapel was quite full in the evening and I talked an hour and a half to them about my journey through the Desert. They were very attentive but I did not satisfy myself as well as I hoped. Have seen a multitude of old friends today and have done a hard day's work.

En Route.

AUGUST,

THURSDAY 23.

1877.

Went over to the Shop again and made several other calls. Mr. J. Dea Wilcox and Clara drove me to Port Chester and I took the 10.10 train for N.Y. thus ending a most delightful visit. Could find no libraries open and so I was obliged to spend my time mostly in the Reading Room of the Y.M.C.A. and at the Stations where I read Harper's &c.

My train left soon after 6. Did not take a sleeping car but had a whole seat to myself so that I was very comfortable. The Moon rose eclipsed tonight.

Columbus

AUGUST,

FRIDAY 24.

1877.

Slept most of the night, and "arose" before we reached Altoona. It was foggy and rainy beyond here so that I did not have any view as we crossed the heights. The train was heavy & we managed to get an hour late not reaching Pittsburg till about 9.30. Here it was lamentable to see the destroyed engines and the ruins of the R.R. buildings. Changed cars and got away at about 10. I went via Steamerville. There was very little of interest on the route. The day was comfortable but the car was pretty full and I had to sit all day with an man going to Denver.

I reached Columbus about 4. Phebe was at the Station looking for me. She seems quite well. As soon as possible we took a car for her house, landing a few rods from the dwelling. Mary was out. She did not know me at first but soon ran to me in an ecstasy of delight. I found the family very comfortably situated. Unpacked, washed, had supper, took a walk with the children and Phebe and looked over the house & barn. Mr. called in the evening and engaged me to preach for them next Sabbath.

One of Mary's front teeth has not grown out yet - an upper one which makes her mouth look somewhat bad.

7.

AUGUST,

SATURDAY 25.

1877.

Unpacked further and got at work
in the unfurnished Parlor which I
may use as a study.
Walter came at noon. After the
children had had their naps I went
out into the fields back of the house.
Then I went to Columbus with the
two Walters. In the evening I read
and wrote.

Columbus.

AUGUST,

SUNDAY 26.

1877.

At 11 I preached in the High St Congregational Church on the words: Lord thou hast been our dwelling places in all generations & at 8 in the evening I gave some general impressions gathered from my travels. Dreaded service in the morning somewhat - perhaps because it is so long since I have preached. But though the congregations were not large I got along well and felt quite at home. Had a pleasant day.

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AUGUST,

MONDAY 27.

1877.

Spent the forenoon in trying to rest.
Went into the woods with Mary for a
couple of hours. Did some light study
& writing after dinner & before supper.
Had a great play with the children &
their waggon. Wrote Mother.

Columbus.

AUGUST,

TUESDAY 28.

1877.

Rose early and wrote letters and
studied all the A.M. In the evening
had a long call from Dr. Lurshen
the Botanist at the Agricultural
College.

AUGUST,

WEDNESDAY 29.

1877.

Went to the city with Mary
in the P. M. Bought me a knife,
some stationery &c.
Left my photographs to be mounted.
the views of our Palestine Party.

Columbus

AUGUST,

THURSDAY 30.

1877.

Read and visited with Phoebe.
Went out with the children
towards night.
Had a good frank talk with
my sister about my domestic
future.

AUGUST,

FRIDAY 31.

1877.

Phoebe and I went to Columbus
this evening and did a number of
errands. She got the Horace frame
from the library and I spent most of the
P.M. on the introductory essay.
The weather continues warm.

Columbus

SEPTEMBER,

SATURDAY 1.

1877.

Was at home reading and
writing most of the day.

SEPTEMBER, SUNDAY 2. 1877.

Heard Dr. Squire's inaugural
at 11 and was favored with an
introduction to him. In the evening
Walter and I heard Dr. Lord
at the first Pres. Church. He
is a remarkably concise and
finished and logical sermonizer
if I might judge from one
hearing. Gave much of the P.M.
to Mary and the children.

Columbus.

SEPTEMBER, MONDAY 3. SEPTEMBER 1877.

I went at 9 to the Agricultural College and Prof. Townsend showed me all over the building. Of his class to examine flowers which usually meets at 9 only one young lady came. Called at his house on the way back. In the P.M. he came to see me and looked over my collection of Eastern Plants.

320 Acres in Ag. College Farm
Collection of Apparatus for Dep.
of Physics cost \$10.-11,000
probably.

To size cloth for painting on
it $\frac{1}{2}$ lb. of refined or white
glue to 3 qts of water.

SEPTEMBER,

TUESDAY 4.

1877.

Went down town this morning
to do marketing and engage
a carriage. At 2 P.M. and the
children took a ride to No.
Columbus off west and down
to the Rolling Hill, across
High St. and back the East
side of it. Wrote Mother and
visited in the evening.

Columbus

SEPTEMBER, WEDNESDAY 5. 1877.

This forenoon I went to the
markets with the children
walking both ways. Wrote in
the afternoon and read &
visited the rest of the day.

Visited the Botanical Garden
and saw the collection of
Eastern Plants.

320 acres in the College
Garden of different kinds of
Plants and flowers.

Large cloth for printing on
the left of the water.

7. SEPTEMBER, THURSDAY 6.

1877.

Was writing as usual and
reading till late in the P.M.
Then played with the
children and had the evening
with Phoebe.

Columbus

SEPTEMBER,

FRIDAY 7.

1877.

A. M. was given to my sermon
on the Snitter Rock which
I am rewriting. Wrote letters
and read till 3 1/2. With the
children went to Goodale
Park and went out with
them in a boat for half an
hour.

SEPTEMBER, SATURDAY 8. 1877.

This P.M. I went to the city
and did some business. Read
considerable in Curtis' "Vile
Notes".

Columbus.

SEPTEMBER, SUNDAY 9.

1877.

Heard Mr. Hutchins preach
this A.M. He did not recognize
me till I spoke to him after
the service and then not at first.
Rested in the P.M. and looked at
pictures with Mary. In the evening
I went with Walter and Phoebe
to hear the colored preacher. The
preaching was very good, the
doctrine excellent.

The postman brought me three letters which had been more or less delayed in reaching me. One of the 5th from Lib informed that Minnie was sick abed and seemed likely to run into consumption, that baby Ralph was still dangerously sick and Mrs. Morrill liable to be called away at any moment. It seemed necessary for me to go right on and I began to pack up my things. Phebe felt bad but agreed on the necessity. I went over to the city with Walter in the P. M. and did some errands and then called on Mr. Fluttings. Had a delightful ~~trip~~ visit. He drove me home in the rain. Spent the evening with Phebe.

Columbus to Buffalo &c.

SEPTEMBER, TUESDAY 11. 1877.

The man did not come for my trunk, so I had to get it taken down in a horsecar and so by hand to the station. Came off in a hurry by the 9 o'clock car. Phoebe felt badly but Mary did not seem to mind much. Left at 9.50 Had a comfortable ride to Cleveland which I reached at about 2. Was interested in the country along the Lake Shore. Buffalo East, we arrived in town after 8 and here as well as at Cleveland we changed cars.

Albany, Springfield, Chicopee.

SEPTEMBER, WEDNESDAY 12. 1877.

For the first part of the night
I had only part of the seat behind
the door. Then I got a whole seat
and rested somewhat. It was
6 $\frac{1}{2}$ when we reached Albany and
after 11 when I was landed at
Springfield. The forenoon had been
quite warm and dusty and I
was glad to be cleaned up at the
barbers. Did a little shopping
and went up to Chicopee. Saw
Mr. Switte at the Factory as
I went along and found Antoinette
and her children all well. Had
a pleasant P.M. with them.
They invited Mr. Gaylord their
Pastor in to see me.

Chicopee to Peacham.

SEPTEMBER, THURSDAY 13. 1877.

after a delightful morning with my cousin's interesting family, I took the cars for Barnet. The day was warm and somewhat dusty. Nothing particularly eventful occurred. We reached Barnet about 4.40. I found a new stage and driver in place of Alex. Bailey and his team. Saw as usual, Messrs. Laughlin, Abbot and ~~Chas~~ Wallace. The country was fresh and I quite enjoyed the ride to Barnet. It was early lamplighting when I arrived. Anna was up and looked better than I feared though evidently in a bad way and still weak from her recent sickness. Lib. looked very well and Ralph seemed comfortable. Mrs. Merrill is still on hand to take Merrill nights. The children were all well. Went to Aunt Miriam's to sleep.

Peacham.

SEPTEMBER, 21 FRIDAY 14. 1877.

Spent most of the A.M. after
breakfast at George's with Minia
and Lib. In the A.M. called at
Mr Wild's, in the evening at Elsie's.
Had a talk today with Mrs. Morrill
about Merrill. Spent the day in
trying to discover what is best for
Minia, Merrill and the rest.

Peacham

SEPTEMBER, SATURDAY 15. 1877.

About 9 $\frac{1}{2}$. I drove Mina to Mr. Bickford's and saw the family, Mrs. Moores and her son and daughter. Returning, I took Lib. and Merrill to Ephraim Clark's. Stayed to dinner. In the rest of the P.M. I read, wrote &c. as in the evening. Had a letter from Mother.

7.

SEPTEMBER,

SUNDAY 16.

SEPTEMBER 1877.

Preached at 11 my sermon on
in "Home" with apparent acceptance.
and in the evening talked on
k "Impressions Abroad." My back
ached in the afternoon but I did
not feel any worse for the labor
of the evening. Had a pleasant
though a somewhat busy Sabbath.

Peacham.

SEPTEMBER, MONDAY 17. 1877.

Spent the A.M. and part of the P.M. in preparation for the evening. Took "tea" at Mr. Choate's. Tell that I was quite successful in my lecture on the "Desert of the Wandering Arabs and Camels." Mary begins going to school today.

Visited in the forenoon. After
dinner, Aunt M. and I drove to
Ephraim Clark's and I made some
arrangements about taking Merrill
there. Took out Mira and M. to
ride on my return. Spent the
rest of the day socially and
retired early. The hot weather
seemed to end with rain and
a great ~~strong~~ wind last night.

Peacham.

SEPTEMBER, WEDNESDAY 19. 1877.

SEP

Wrote some this forenoon. In
the P.M. I called on Mrs Pearson
and in the evening on Mrs Varnum.
Spent the rest of the day with
Aunt Miriam and George's
family. Packed in the evening.

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Barton Landing.

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SEPTEMBER, THURSDAY 20. 1877.

Rose in good season and took
on the stage at 8. Mr. Bates and his
wife (Jenny Clark) went down
with me. Called on Mrs.
(Whitely) Stevens at Barnett
and took dinner with Scott
Laughlin. Spent most of the
time with him except a call
upon Emeline Wallace. Took
the cars at 4.40. We waited
over an hour at St. Johnsbury
for the P. & O. train and there
were unaccountable delays
at Lyndonville and elsewhere
so that I did not reach
Barton Landing till after 9.
It was raining. Found Mr.
Austin at the P. O. and
went home with him.

Barton Landing.

SEPTEMBER, 20 FRIDAY 21. 1877.

It was raining till towards
night. Called on Mr.
Chittenden and the Joslyns.
Went to the Stores. Met and
talked with people most
of the day. Took dinner at
Mr. Joslyn's. Attended the
Prayer-meeting in the evening
and ~~wrote~~ occupied most of
the time by request. People
are all very cordial and it
is good to see them again.

Saw to some of my business today and called on people - notably Mrs. Stimpson and the Grandys in the evening. Took dinner and tea at Mr. Collins's and went there to stay. Dea. Spencer called to see me early in the evening.

Barton Ldg.

SEPTEMBER, 22 SUNDAY 23. 1877.

Preached on "God our Home" at the Landing in the A.M. to a full and attentive congregation. Mr. Austin took me to Brannington in the P.M. where I gave the people my "Impressions". Spent the rest of the day at Dea. Collins'. Attended a full and interesting meeting at the Landing in the evening.

The old pulpit has been taken away at B., a new one made and the platform enlarged so that the choir sits behind the minister. I rather like the change.

SEPTEMBER,

MONDAY 24.

1877.

Wrote letters and did errands
this A. M. At 12.46 went to
Newport and spent the afternoon
with him, his wife and a Mrs.
Woodbury. Came back at 8.15.

Learned at the P. O. to my
great grief of the death of
Dea. Buxton at 4 o'clock this
P. M. He had not been thought
dangerously sick. I can hardly
be reconciled to it that I should
have come so near and not
seen him -

Barton Landing.

SEPTEMBER, TUESDAY 25. 1877.

Last night I stayed at Dea. Collins. After writing a little and making some calls, I got Harley to take me to Dea. Spencer's. Early in the P.M. he went with me to see Mrs. Buxton. Called on Mrs. Twilight on my way down. Addressed the Reform Club at the Landing in the evening on "the Use of Spirituous and Fermented Drinks in the Old World." Had a very full gathering and a pleasant occasion.

SEPTEMBER, WEDNESDAY 26. 1877.

At 2 I attended Dea.
Buxton's Funeral. Mr. Clittenden
officiated but I made an address
and offered prayer. Lectured in
the Cong. Church at Barten
Landing in the evening. There
was a heavy shower just before
the lecture which kept many
away. Nevertheless the house was
well filled and as all the proceeds
were given to me I realized more
than ever before from a lecture.
Gave most of the day to
preparation for the funeral
and lecture.

Barton Ldg.

SEPTEMBER, 28 THURSDAY 27. 1877.

At 8 $\frac{1}{2}$ I drove to Mr. Ingham's
and made calls along back. Took
dinner again at Dea. Spencer's
and he afterwards brot me and
my bag to Dea. Collins'. Made
calls all the P.M. and took
tea with Mrs. Nathan Stimpson.
Attended to some business in the
evening and made farewell
calls going to Mr. Cameron's
for lodging.

SEPTEMBER, 28 FRIDAY 28. 1877.

Rose in good season and after breakfast and prayer with the Camerons I took the cars, bidding good-bye to many friends. Had a rather short and very pleasant day. The children in the P.M. made things lively in our car. Put up at Cooley's Hotel, Springfield. Read and wrote in the evening.

Bristol.

SEPTEMBER, SATURDAY 29. 1877.

Rose in season and left on
the 7 o'clock train for Hartford.
Met W. H. Moore in the station
at H. and went with him to
Memorial Hall where I remained
till nearly 11. Found Uncle I.
waiting for me at Forestville and
reached Grandpa's about 1 1/2.
Found all well and spent
the rest of the day socially.

SEPTEMBER, J. SUNDAY 30. 1877.

Mother, Uncle J., Aunt E., and myself went to meeting this forenoon. Mr. Bartholomew asked me to offer the opening prayer of the S.S. and Mr. Staats took me to lunch with him. In the P. M. I gave my "Impressions". People seemed much interested. Rested and read most of the remaining time.

Bristol.

OCTOBER, 08 MONDAY 1. 1877.

Had a quiet day, writing,
reading and talking. Miss
Bartholomew and Mrs. Russell
called in the evening.

OCTOBER, 2. TUESDAY 2. 1877.

Another fine day and no
frost yet. Finished picking
the most of the grapes and
did several errands. Did
considerable reading.

Bristol

OCTOBER, WEDNESDAY 3. 1877.

Mother went away this morning early. At 10 Uncle I took me down to Mr. Staats. I rode with him while he did some errands. then visited with himself and Dr. Briggs with whom I dined. Rode more with Mr. S. in the P.M. Uncle I. called at 2 and at 3, I went home.

Boston

7.

OCTOBER,

THURSDAY 4.

1877.

At 7 $\frac{3}{4}$ I bade them all adieu
and Uncle took me to Forestville.
After long waiting I was off for
Hartford. Close connection here.
At Springfield I waited till the
1 o'clock train and got my other
trunk. The train was very late in
starting. This side of Grantville we
ran into a buggy and killed the
occupants - two ladies. The top &
the bodies were lodged above the
pilots and were carried there to
Grantville where they were
removed. Got to Dr. Goltz at
about 6. Their friends were just
beginning to gather to a small
party. Cousins Juliette & Flora &
Henry Ketchikan I was glad to
see. We had quite a pleasant
time.

Boston.

OCTOBER,

FRIDAY 5.

OCTOBER 1877.

A heavy rain and wind
woke me during the night.
The storm ended early today.
About 9 I went over to the
City from E. Boston. While
wandering disconsolately in
the sts. I was delighted to
have Lewis put his hand
upon my shoulder. He went
with me to B. W. Williams's
Bureau & I with him to
the Cong. House & Sargents.
Went to Pinckney St. after
parting. To my surprise I
found the Pratts were living
there. Miss Sarah was away
but I saw Miss Elizabeth. They
had no room but I found a
small room on the 4th floor
of the next house Mrs Snell's
55 Pinckney that will do
for the present. Got my trunks,
wandered about the city and
settled myself in my new
quarters.

OCTOBER,

SATURDAY 6.

1877.

Called out about 8. Got 5 cts.
worth of peanuts for breakfast!
Set on a seat on the common and
fed myself and the sparrows. Waited
about Sargeant's all the A.M. and
saw many old ministerial friends
but got no work. Called on Mr
Church at his Bank. Was at
my room writing &c. in the
P.M. In the evening I went
to the Christian Association
Reading Room and visited
with the family here.

Boston.

OCTOBER,

SUNDAY 7.

1877.

A pleasant day. Went out
about 8 and sauntered an
hour on the Common. Heard
Dr. Witherow at Mt. Vernon St.
Church in the A. M. At 3 $\frac{1}{2}$ Miss
Sarah Pratt & I went to the
Old South Church & I heard
C. K. Williams. In the evening
I heard Mr. Cook at Park St.
talk on the Study of the Bible.
Took tea with Miss Pratt. So I
have not had much time to
get lonely today.

OCTOBER,

MONDAY 8.

1877.

Went out at 8 and waited on
the movements of Mr B. W. Williams
till 9½ to find that it was too
late for him to do anything
about my lecture this year. So
I'll "paddle my own canoe."
Attended the Minister's Meeting at
10 and Mr Cook's lecture at 7.
Spent most of the P.M. at the
Public Library and wrote in
the evening -

Boston.

OCTOBER,

TUESDAY 9.

1877.

A rainy day. Spent it
largely in the Public Library
and in writing and reading
in my room.

OCTOBER,

WEDNESDAY 10.

1877.

Went out to the Newton Cemetery at 9. The frost had killed the more tender plants and opened the chestnut berries. It was sunny and fresh out of doors after the rain of yesterday. All was quiet and restful about my dear ones and I almost wished myself beside them. Three slight swellings of turf mark where lies Jane with Willie on her right and Jennie on her left in the place I must have. Father's grave is near and I leaned on his tall stone and longed to meet him once again.

Looked about the cemetery saw Mr. Ross and at 1.30 came into the city. Wrote to Columbus and elsewhere. In the evening I attended the performance of Elijah by the Handel & Hayden Soc. in the Tabernacle. The Oratorio lasted from 7 o'clock to 9 1/2 and was wonderfully varied and wrought out. Beyond description it was

OCTOBER, 10. THURSDAY 11. 1877.

Another rainy day. Gave the forenoon to investigating the cost of monuments & grave-stones, and the P.M. to the Public Library. Called to see Joseph Cook in the evening, and though he was away I had a pleasant hour with his wife. Called on the Pretts also.

OCTOBER,

FRIDAY 12.

1877.

Read in the libraries till 11.
Then I saw Mr. Sweet, Mr.
Burr and others. Wrote at my
room in the afternoon. In the
evening I called on Mrs.
Flora Pierce and Henry
Hetchum at East Boston.

Preached for Plipps at 10 1/2
 and spoke on the Outlook
 abroad in the evening at 7.
 I also taught Mrs. Plipps class
 in the S.S. after the public
 worship. Did very much
 talking today.

After some wondering we
 found our way to the
 residence of Mr. Plipps. There
 is an old of oak
 floor across the Charles.
 The number is 10 and
 found a wonderful echo.
 There we drove to the library.
 There was in rich autumnal
 dress and it was a perfect
 day. I liked the three o'clock
 train but went in at 2.
 Found letters containing an
 unexpected bill for the railroad
 of \$11.00 - 62 weeks @ 2.25 each
 of my Stephen's debt. Went to
 see Dodge & talked & walked off
 my own excitement.

OCTOBER,

MONDAY 15.

1877.

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Phipps took me over to the
Female College about 9 o'clock
and showed me over much
of the building. Very beautiful
it is in all its appointments.
Towards 11 he took his wife &
Miss Peloubet and me to
Newton Highlands. He wished
to introduce me to Dea. Hyde
there being a vacancy there
but he was not able to.
After some wandering we
found our way to the
viaduct at Upper Falls
where there is an arch of vast
span across the Charles.
We went under it and
found a wonderful echo.
Thence we drove to Wellesley.
Nature was in rich autumnal
dress and it was a perfect
day. Missed the three o'clock
train but went in at 5.
Found letters containing an
unexpected bill for Merrill's board
of \$217.00 - 62 weeks @ \$3.50 deemed
of Mary Stephen's death. Went to
see Dodge & talked & walked off
nervous excitement.

OCTOBER,

TUESDAY 16.

1877.

Took a walk in the Public
Gardens. Went to the
Atheneum till 11, then to
the Congregational Library.
Wrote letters &c. in the P.M.

OCTOBER,

WEDNESDAY 17.

1877.

Spent the A.M. at the Athenaeum & wrote in the P.M.
At 7 went to see Dodge
and at 7½ heard Dr
Selah Merrill lecture in
Park St. Ch. on his Palestine
explorations.

OCTOBER,

THURSDAY 18.

1877.

Went to the Athenaeum in the morning and stayed till 11. Then I saw Mr. Church, sold my gold and called on J. C. Hyde. Had a pleasant reception and engaged to go to Newton Highlands the 28th. At 2.30 I went to Andover with Mr. Church. His boy and Mrs. Church were at the Station. It was a delightful Oct. day and we drove out Salem St. and out beyond the Cape School House where I used to teach. The old house is gone. Went across to the Boston turnpike & so down. It was a pleasure to see these hills & roads & houses once more. Looked over Mr. Church's beautiful place before dark. Had a social evening.

Audover

OCTOBER, 1877. FRIDAY 19.

1877.

Read and talked till 10. Then went to the Seminary Burial Ground which I found greatly improved. Walked about the buildings and went to the Library & Museum. I was disappointed in not finding my Esquimaux spears which I had hoped to see here. Called on Dr. Merrill but he was away. Walked by the English Commons, thro' the Woods and as far as "Pump's Pond" which has lost all its beauty since the forests were stripped away and the region is reduced to barren hills. The new Cemetery on that road is not beautiful.

At 2 went up to see Miss Russell but she had been vomiting badly & was unable to see me. Fear I shall never see her again. Rode down to meet Mr. Church & drove out on High St & other Sts. in that direction. Read & talked the rest of the day. Saw Fred Green today and his brother yesterday.

OCTOBER,

SATURDAY 20.

1877.

Slept well last night. The previous night I hardly slept any. At 7.45 we drove in the rain to the Station. Have seen much of Andover village and environs but not many people. Did some errands in the rain. Got a chance to go to Amesbury for tomorrow, and left at 3.15. Bertie Boyd was at the Station to meet me. Had a pleasant evening with the family. Mrs. Boyd took me to call on J. G. Whittier the famous poet.

OCTOBER, SUNDAY 21. 1877. Oct

OCTOBER,

SUNDAY 21.

1877.

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OCTOBER,

MONDAY 22.

1877.

A very rainy day again. I left
at 8 $\frac{1}{2}$ and reached 55 Pinckney
St. in time for some leisure before
hearing Cook's lecture at 12.
Spent the P. M. in the Athenaeum
and called on Miss
Elizabeth Pratt in the evening.

OCTOBER,

TUESDAY 23.

1877.

A pleasant day. Exercise,
the afternoon & writing
occupied the hours of light.
Attended a temperance meeting
in the evening at Fremont Temple.
Met Rev. C. H. Smith formerly of
Barton Landing.

OCTOBER,

WEDNESDAY 24.

1877.

Spent the A.M. at the Athenaeum.
After dinner walked and then
wrote and read. In the evening
I called on Miss Pratt and
attended preaching by Rev. Geo.
Muller at Berkeley St. Ch. He is
72 yrs. old but still erect and
tall. His hair is not very gray.
Speaks with a German accent
but with muchunction. A fair
audience listened attentively
to an expository lecture upon
a part of Gal. V. Met S. H.
Scudder today.

OCTOBER, THURSDAY 25. 1877.

Was at the Athenaeum in the A.M. and at the Public Library in the P.M. Read and wrote at my room in the evening. Was going across the Courtyard this P.M. when whom should I see on a seat but "Far-away" Jones with two other Orientals. Had quite a talk with him. He left because "the weather got so bad at Constantinople". Think he intends to stay in the country sometime. One of the men with him was his clerk in Constantinople whom I have seen before. Also looked over three folio volumes of photographs of Sinai and Vicinity published by the Ordnance Survey. It was almost as good as going there.

OCTOBER,

FRIDAY 26.

1877.

Spent the day at the Athenaeum
and Public Library. In the
evening I went to East Boston
and called on my three cousins
who were all at Mrs. Flora
Pierces.

OCTOBER,

SATURDAY 27.

1877.

Spent the A.M. at the Public Library. In the P.M. Miss Pratt and I went to Brookline and called on Mrs. Langdon Ward. Went to Newton Highlands at 6.15. Had a pleasant evening at J. F. C. Hyde's.

OCTOBER,

SUNDAY 28.

1877.

Preached at 10 $\frac{1}{2}$ to a full congregation according to the standard of this people. My sermon was on "Everlasting Life". Remained to the Sabbath School. In the evening I gave an account of my "Impressions". He was hired for another Sabbath after the forenoon sermon.

Mr. Hyde took up too much of my time talking to me but on the whole I had a very pleasant Sabbath and the people seemed well satisfied with my efforts.

OCTOBER,

MONDAY 29.

1877.

Took the cars at the Highlands
at 8.15. Attended the Minister's
meeting at 10 but felt too
Mondayish to go to Cook's lecture.
Had a headache and therefore
lay on my bed and slept and
read in the P. M. Wrote to
Columbus in the evening.

OCTOBER, 18 TUESDAY 30. 1877.

Was at the Athenaeum this
A.M. In the afternoon I went
out to Mt. Auburn and had
a pleasant excursion. Wrote
and read in the evening.

OCTOBER,

WEDNESDAY 31.

1877.

Spent the forenoon at the Athenaeum. Moved early in the P.M. into the front room on the same floor of my lodging place at 55 Pinckney St. This is a sunny room and has a place for a stove. It has a single bed and is more moderately furnished than the back room. After getting settled I went to Wentworth's to see about monuments and did some other errands. Wrote and read at my room thro' a long evening - & a rainy one.

NOVEMBER,

THURSDAY 1.

1877.

Studied as usual in the A. M. At 2 I went over to the Prescott School at E. Boston. Talked to the Boys in Mrs. Juliette Pierce's room for an hour on Egypt. The boys came in from Miss Pillsbury's room making 110 in all besides the Master and several teachers. They seemed interested all of them. After school Mrs. P. took me into several other rooms. I met Mr. Smith who was in the class of '58 Phillips Academy, Misses Demeritt, Brown &c. Walked home with Mrs. P. and took tea with her. Jessie Coe, Mrs. Flora and Mrs. P.'s sons were there. Had a social hour or two before I needed to come home.

NOVEMBER,

FRIDAY 2.

1877.

Spent most of the day in my
room, writing &c. Went out to the
Newton Highlands at 4.45 in the
midst of a great rain storm.
The wind out in the country
hardly permitted me to carry an
umbrella. The storm was so severe
there was no preparatory lecture
I was very hoarse with a cold
and was glad to be excused.

NOVEMBER, SATURDAY 3. 1877.

Read in Mr. Hyde's library
till 2 o'clock. Then walked out
a while and took a ride with
him to the Centre and to
Lower Falls. Called on Mr.
Strong. Had a pleasant day.

NOVEMBER, 8 SUNDAY 4. 1877.

Public Worship at 10 $\frac{1}{2}$. Communion at 3. Monthly Concert at 7. I had a severe cold in my throat and head and was hoarse all day. Still I got along pretty well and did not get very tired. Think my preaching was too evangelical to suit many of these people.

NOVEMBER,

MONDAY 5.

1877.

Came in at 8.15 with Mr. Hyde.
and at 10 attended the Ministers
Meeting. Bought wood today.
Called on Darius Cobb. 31 Studio
Building and saw his picture
of Judas about half done. Wrote
letters and read in the evening.

NOVEMBER, TUESDAY 6. 1877.

Was in the Athenaeum in the
A.M. Piled up my wood, called
on Darius Cobb and bought
an overcoat (dark brown, rough
cloth bound with black braid.)

It snowed in the forenoon and
was cold at night. Had a fire
in my room for the first time.

NOVEMBER, WEDNESDAY 7. 1877.

Spent the A. M. in the usual place. Went to see Mr. Hyde after dinner then did some running after purchases and went to my room and read "Nile Notes". In the evening I attended the meeting of the Society of Natural History.

NOVEMBER, THURSDAY 8. 1877.

After a forenoon at the Athenaeum
Dodge and I went out to the
Botanic Gardens at Cambridge
spending sometime in that and
in the Glasshouses. Then we gave
a little time to the Museum of
Zoology and the College Buildings
seeing the inside of Alumni Hall
and the tables set for 600 students.
The evening I gave to reading.

877.

NOVEMBER,

FRIDAY 9.

1877.

Studied in the A.M. and in
the P.M. did errands Bought
a map of the Sinaitic Peninsula
and studied it. In the
evening Dodge and I went
to Dr. Wilbur's prayer-meeting.

NOVEMBER, SATURDAY 10.

1877.

NOV

Calling on Mr. Hyde this morning.
I learned that a Methodist clergy-
man was engaged to preach at
the Highlands tomorrow. Spent
considerable time at Mr. Sargents
but got nothing. Did considerable
reading and study during the
day in spite of having to wait
on the Dispenser of Pulpits.
Soon after noon I went into
the Chrysanthemum show
which was very fine.

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7. NOVEMBER,

SUNDAY 11.

1877.

At 9 o'clock I went with Mr. Torrey to the State Prison. Had a class of about 14 colored men - most of whom could not read. It was hard work to keep their attention. After the S. S. there was a Prayer Meeting. At 11 Chaplain Speare held the regular Service of Worship. All the prisoners - nearly 800 - filed in and occupied the whole hall. It was a painfully impressive sight. Took full notes on all I saw. Got back at 12 1/2 and spent the P.M. in my room, reading the Bible and Stanley's Eastern Church. Took tea with the Pratts and went with Miss Sarah to their Church to hear Mr. Bouelle speak on Japan.

NOVEMBER,

MONDAY 12.

1877.

NOV

Went to the Athenaeum in the Spec
A.M. and was there till noon. ing to
Read and rested in the P.M. I g
About 4 I went to Dr. Joly's Zoo
and took tea there meeting little
Rev. Mr. Hilton & wife, Mr. & Mrs.
Devard and the friends of the
family. We had a very social
and pleasant evening.

7. NOVEMBER, 11 TUESDAY 13. 1877.

Spent the A.M. as usual and
in the ~~evening~~ afternoon Dodge &
I gave to the Museum of
Zoology at Cambridge. Wrote
letters and read.

NOVEMBER, WEDNESDAY 14. 1877.

Pleasant chat with Cook at
the Athenaeum this morning.
In the P. M. looked thro' the
Museum of the Boston N. H.
Soc. and by invitation of
Mr. Scudder the Pres attended
the meeting of the Appalachian
Club.

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NOVEMBER, THURSDAY 15. 1877.

Spent the A. M. in study
At 2 I went over to E. Boston
and called on Frank Foltz. We
called together on Miss Wargatt
in her school. Lectured in the
Vestry of the Haverick Church
at 7½. The audience was
rather small but all seemed
interested. Met Mr & Mrs. Bowker &
the former praised my lecture
much. Including the exhibition
of the dress the exercises con-
tinued from 7½ till nearly 9.
It was a benefit for the Woman's
Temperance Union so I got
nothing for it.

NOVEMBER, FRIDAY 16. 1877.

N

Did not get asleep till nearly 3
in consequence of nervous
excitement and my supper.
Did considerable study reading
etc. nevertheless. Attended
Prayer Meeting at Dr. Withrow's in
in the evening.

377.

NOVEMBER,

SATURDAY 17.

1877.

Still bright beautiful weather
In vain I waited on Sargent
today. Did considerable writing
& reading besides. Dodge and
I went to the Art Museum
in the P. M.

NOVEMBER, SUNDAY 18.

1877.

Heard Mr Pentecost
preach in the A. M. and
Philip's Brooks at 3 1/2
Took tea in Miss Pratt's and
read in the evening. Have
had a pleasant Sabbath.

Attended the ministers
meeting at 10 and heard Dr
Washburn of Robert College
speak on the Turkish ques-
tion. Went to Cook's lecture
at 12. Wrote to Columbus in
the P.M. - indeed read and
wrote much of the day.

NOVEMBER,

TUESDAY 20.

1877.

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Spent the forenoon and evening in study. Took some Art exercise and did errands in the P. M.

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has been reading and
part of the day

NOVEMBER,

WEDNESDAY 21.

1877.

This forenoon I finished an
Article for the Witness on
Wine Drinking in Europe. Spent
most of the P.M. in reading
and studying. With Dodge went
to the meeting of the N. H.
Society in the evening.

NOVEMBER, THURSDAY 22.

1877.

W. L. P. M. Dodge and I went to
the meeting of the S. I. Convention
The rest of the day I gave as usual
to study and writing. Except that
in the evening I had a very
pleasant call on Mrs Joseph Cook.

to After my usual A. M. in the
Athens, I went in the P. M.
to the N. History Building and
spent sometime in the Library.
Did several other errands. In
the evening I went to the Prayer
Meeting in Park Street Vestry.

NOVEMBER, SATURDAY 24. 1877.

Spent considerable time at Mr. Sargent's all in vain. Dodge left for Barter at 5.35 P.M. I saw him off.

Have sent an article to the Witness this week entitled "Do we want this?" and upon Wine drinking in Europe. Also sent a bit to Cook's Excursionist on my discovery of lava in the Fih. Heard today from Mr. Winter that Dr. Obadiah Head seems to be passing away. It was sad news to me. Heard it yesterday rather.

r. After 11 it rained all day. I
heard Dr. Withrow in the A. M.
on the words: "They that know
thy name will put their trust
in thee." Took tea with the
Pratts and went with Miss
Sarah to her church in
the evening. Heard and
enjoyed Prof. Townsend very
much. Read much in Stanley's
Eastern Church.

NOVEMBER,

MONDAY 26.

1877.

Studied as usual in the A.M.
and in the P.M. I read and wrote.
It was raining all day and I
was unable to go about much.

Thanksgiving

7. NOVEMBER, 88 TUESDAY 27. 1877.

Did many errands this P.M.
and in the evening I went to
Dr. Foltz and had a very pleasant
call.

Wrote some distance up
Meridian St. and attended the
Wedding of Frank Foltz and
Kerry Helburn. Henry Helburn
married them calling on me
to offer a prayer. We then went
down stairs and had benedict
and wedding cake. At 5 the
bride and groom started for
Colorado and I took a horse
car home. Have had a very
pleasant day and with the
best pleasant part has been
in the quiet of my own room.
Wrote Grandpa and Grandma
in the evening.

Greatly has God blessed me in
the past year. Though I am con-
fined for the present by inability
to find a place yet even here
and now I am equally blessed.
Wonderous mercy has brought me
through the extensive journey
of 1877.

NOVEMBER, WEDNESDAY 28. 1877.

A day of quiet steady work.
Wrote Dr. Schaff in the evening
about getting Dr. Hitchcock's
pictures of Palestine.

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Thanksgiving.

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NOVEMBER, THURSDAY 29. 1877.

A rainy day. At 11½ I went to Dr. Foltz. Took dinner there with a large number of my wife's relatives. At 3 we all went to Mr. Wasgatt's some distance up Meridian St. and attended the wedding of Frank Foltz and Grace Wasgatt. Henry Hetcham married them calling on me to offer a prayer. We then went down stairs and had lemonade and wedding cake. At 5 the bride and groom started for Colorado and I took a horse car home. Have had a very pleasant day and not the least pleasant part has been in the quiet of my own room. Wrote Grandpa and Grandma in the evening.

Greatly has God blessed me in the past year. Though I am now tried for the present by inability to find a place yet even here and now I am equally blessed. Wondrous mercy has brought me through the extensive journey of 1877.

NOVEMBER, FRIDAY 30. 1877.

Took my papers endorsing
me as a good minister to
Mr. Smith at the Congregational
House this morning. Read and
did errands in the P.M. It has
grown very cold today.

In the evening I went to
the Tabernacle and heard Mr.
Munhall. He did not seem to
be a man of much power.

Greatly shocked to see mention
of the death of Bishop E. M. Marvin.

of 1877

Thinking about Mr. Smith con-
siderable this A.M. but it was
the Old, Old Story of no preaching
Spent some of the A.M. and
much of the P.M. in the libraries.

DECEMBER,

SUNDAY 2.

1877.

DEC

Went to Tremont Temple and
heard Dr. Lorimer in the A.M.
There was an immersion at
the end of the service - the
first time I have ever seen a
baptism of this kind. In the
evening I went to a prayer-
meeting of the same church
in the Meigs room. Read in
the P.M. with much interest
Geo. Müller's Life of Trust
and with some profit I think.

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DECEMBER,

MONDAY 3.

1877.

d Spent the A.M. at the
1. Athenaeum and in the P.M.
read and wrote. Went to the
Public Library and thus
had a little exercise.

DECEMBER, TUESDAY 4.

1877.

D

Devoted the forenoon to
poisoning my botanical
specimens. Got about half
through. Read & strolled
about in the P. M. and called
on the Pratts in the evening.

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Spent the forenoon at the
Museum mainly. Wrote
several letters today. Went in
the P.M. to Dr Webb's Vestry and
heard Mrs. Smiley. It rained
so hard in the evening I did
not go to the meeting of the
Natural History Society.

Had a call from Mr. Dodge
when Dodge returned from
Boston. Went to Conference
Meeting at Park St. Church.

DECEMBER, THURSDAY 6. 1877.

This forenoon I finished
pressing my botanical
specimens. In the afternoon
I went to the N. Y. Library
and looked over the ten vols
of Sibthorp's Flora Graeca.
Spent the evening at Dr.
Jolly.

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Spent the forenoon after
reading the papers at the
Museum as my Grecian
plants. About 2 o'clock I
walked out to Cambridgeport
and called on Rev. Chas. Smith
Free Will Baptist formerly of
Barton Landing. Returning I
read till nearly meeting time
when Dodge returned from
Barton. Went to Conference
meeting at Park St. Church.

DECEMBER, SATURDAY 8. 1877.

Spent the forenoon waiting on
Mr. Smith and doing some work.
In the P.M. did errands and
went to the libraries. Wrote and
read in the evening.

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DECEMBER, 0 SUNDAY 9. 1877.

Went to the Music Hall
and hear Rev. W. H. Murray
in the A. M. and in the evening
I heard Mr. Herrick whom I
liked much better. Spent the
rest of the day in my room.
Wrote on a sermon some.

DECEMBER,

MONDAY 10.

1877.

Heard Dr. Merrill talk at the
Minister's Meeting about his
Palestine Explorations. The
rest of the A. M. I spent at
the Athenaeum. Wrote home
in the P. M. and did errands.
Read "The Howadji in Syria"
in the evening.

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Spent most of the A. M. on
a sermon from the text:
"Ye are --- a royal priesthood."
exercised and did miscellaneous
work in the P. M. In the evening
Dodge and I talked and read
aloud in "The Howadje."

DECEMBER, WEDNESDAY 12. 1877.

Gave the A. M. 6 my sermon.
In the afternoon I went with
Dodge to the Natural History
Museum

Read "Sphinx" and "Sphinx"
in the evening.

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DECEMBER, THURSDAY 13. 1877.

Finished the first writing of
my sermon this forenoon.
Spent the P. M. in the N. H.
library naming my Greek
Plants. Read and wrote in
the evening.

DECEMBER, FRIDAY 14. 1877.

Spends the forenoon at the
Cathedral. Did several errands
in the P.M. Gave up my room to-
day to Mrs. Dodge who is visiting
her son. Showed her my Swiss
plants in the evening. Later she
and her son went to a reading.
Here P.M. I hear Mr. Rainford
the English Evangelist at
St. Paul's

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Through Dodge I got today an opportunity to go to Westport. Left at 12 for Fall River. Took stage thence at 2 1/2 and reached Capt. Little's where I was to stop at 4.15. Had a pleasant evening.

Was up very early this morning and saw Mrs. Dodge to the horse cars while ^{her son} I went after her trunk.

For several days it has been warm & bright with clear moonlight nights.

The mildness of the season is very remarkable.

DECEMBER, 7 SUNDAY 16.

1877.

Dr

The bed was damp and I was long in getting to sleep.

At 10 $\frac{1}{2}$ went to the S.S. and preached taught a class. Talked at the close for some 15 minutes about Palestine. Preaching at 2 $\frac{1}{2}$. Congregation small. At 6 I had a service for an hour giving my "Impressions ^{from} Travel". At 7 at Mrs Scott spoke on temperance and I assisted her in the pulpit. This is a small place but I think I much interested my congregations today and was quite successful. Took tea at Dea. Anthony's tonight.

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DECEMBER, MONDAY 17. 1877.

Had a good sleep. At 8½ I left my very pleasant stopping place at Capt. Little's and went to the store whence I took the stage between 9 and 10. Left Bowenville (Fall River) at 11.19. Had the company of Mrs. Scott the last part of the way. Found on reaching Pinckney St. that I had to lecture at Chelsea tonight instead of Wednesday evening. So I was very busy all the P.M.

Did not have much of an audience at Chelsea but think I interested them much. Met several old friends - Mrs. Wilder (Sarah Page) Miss Mary Ann Stoddard, Mr. & Mrs. Bacon, besides Mr. Nason.

For several days it has been warm & bright with clear moonlight nights.

The mildness of the season is very remarkable.

DECEMBER, TUESDAY 18. 1877.

The Athenaeum and a sermon
occupied my A.M. Took a
stroll with Dodge early in
the P.M. and then wrote
home. In the evening spent
some time with the Pratts.

After spending a while with
the papers & books I wrote
letters. Went to the Public
Library and did some errands.
At the Meeting of the N. H. Soc.
in the evening Prof. Morse oc-
cupied the time in a very
interesting way.

DECEMBER, 20 THURSDAY 20. 1877.

Spent the forenoon in writing
worked on my plants in the
P.M. and did some errands.
Called at Dr. Foltz and Mrs.
Juliette Pierce's in the
evening. Dodge left for his
new residence at Boston
Highlands today.

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Spent the day in study of my plants and in preparation for my journey. At 6 o'clock I took the cars for Fall River at the Old Colony Station. A fast ride of an hour and a half brought us to our destination and before eight we were sailing down to bay. It was cloudy but not dark, the moon being full - nor was it windy. Did some reading in the evening.

DECEMBER, SATURDAY 22. 1877.

Slept much during the night. Rose early and read. We did not get to the dock till much after 7. Saw two ocean steamers just getting off. Went up to the Central Station left my baggage and cleaned up somewhat. After a while I went to 12 Bible Ho. Found Dr. Schaff there and had a cordial reception. After talking a while his daughter and a friend came in and we all went to Scribner's and other stores to see the Holiday display. Then I spent a while at the Astor Library. Returning to Dr. S.'s office I met Mr. Salmon of our Palestine party who is now studying at Princeton. We all lunched together at Dr. S. Had a pleasant chat with Dr. & Mrs. S. and got my Palestine bundle. Took cars at 3.55 and met Mr. Winter at Port Chester. He did many errands en route and we were late in getting to the Parsonage. Dreaded to stay there.

Revision of Union Bible Dictionary proposed

DECEMBER,

SUNDAY 23.

1877.

Preached for Mr. Wintee in the
A.M. on Herod under Conviction.
Remained through the S.S. and
talked a little to the school. Mr.
W. spoke in the evening so that
I had an easy day. There was
a Converts Meeting at 6 and I
talked for a while to those who
came together. Quite a good
work is in progress here. In
the P.M. I visited the graveyard.

DECEMBER,

MONDAY 24.

1877.

DE

I wrote this A.M. and in the P.M.
I called at Mr. Hill's, Mr. Brown's,
James Husted's and Chas. Knapp's.
Here Mr. Winter met me. Rev.
Mr. Underwood also unexpectedly
arrived here. We all took tea here
and spent sometime socially.
Rode home with Mr. Winter
and went down to Silas
Heads to stay.

DECEMBER, ²⁸ TUESDAY 25. 1877.

Christmas - The Semi-Centennial.
Another bright mild day. A
large congregation gathered for
the Celebration. The Church was
modestly adorned with evergreens
and flowers. Over the pulpit was
the inscription: "Ye shall celebrate
the fiftieth year", 1827-1877.

Exercises were as follows -

Invocation Mr. Winter. Hymn "The Year
of Jubilee". Scripture & Prayer Mr. Underwood.
Hymn. "How pleased & blessed was I". Historical
Sketch: Dea. S. H. Mead. Sermon, Mr. Winter.
Hymn: "I love thy Kingdom Lord". Salutation
from the Mother Church Mr. Treat. Hymn, "Bless
be the tie that binds". Benediction.

Intermission. Hymn: "All hail, the power".
Prayer. Mr. Kero of Bedford. Sketch of Ladies'
Beneficent Soc. Mrs. Amy Close, D^o of S. S.
Mr. Savage. Hymn: "Sunday School War Cry".
Addresses from former Pastors (Myself only).
Reading of Letters. Hymn. "Sweet Bye & Bye".
Benediction (Myself). Sessions A. M. 10¹/₂ - 12¹/₂
P. M. 2¹/₂ to 4. Collations in the Academy, which
was filled 4 times. Saw about everybody.
Everything passed off perfectly. John Muldown
was drunk & noisy when I was speaking. Went
to Mr. Mead's again. Called at Mr. Winter's
in the evening. About 350 were out in
the A. M. - nearly 400 in the P. M.

DECEMBER, WEDNESDAY 26. 1877.

Wrote and read a while this morning.
Then I went to Dea. Obadiah's. He
was bright, knew me and I had a
good talk. I saw his wife also and
she recognized me partly at least.
Told that I should never see the Dea.
again. On my way down I found
a dandelion flower. Dined at Mr.
Savage's. Called in the P. M. at Henry
Mead's, Wm. Purdy's, Mrs. Tamm's,
Wm. Johnson's, Richard Carpenter's &
took tea at Jas. L. Palmer's. At 7
there was a good congregation in
the church and I preached on
the words: "I am the door". Had
considerable liberty.

Went to Mrs. Husted's tonight.

Saw eight bluebirds in a little tree as I rose. Got away from this pleasant home at 10 and called on Mrs Edwin Brundage and Isaac Knapp's family. Dined at John J. Clove's. Did business with Mr. Haight, visited Odle Knapp's family and the Terrises. Ran into Eugene Brundage's for a few moments, walked across to the Ridge and took tea at Mr. Winters. At 7 a full house had gathered in the Church to see my curiosities and hear me talk for an hour. Went to Mr. Meeds to stay this evening - night rather.

DECEMBER, FRIDAY 28.

1877.

DE

At 8 $\frac{1}{2}$ I bid farewell to Silas Mead's hospitable family and he brought me to Port Chester. Concluded to see Dr. Mason. My courage failed me when I came over. Went to N.Y. and to his house. He was not at home then. So I called again at 1.45. He examined the action of my heart by auscultation and questions. I could not make him own that he discovered any ~~serious~~ disease except what may be symptomatic. Said I had an irritable heart but he plainly said there was no marked organic trouble. He prescribed for indigestion. On the whole I felt much encouraged and glad I saw him - for he seemed to find nothing out of the way - unless he withheld his discoveries. Took the cars at 3 for Plainville. Reached Bristol at 6.45. Left my things and walked up to Grandpa's. Found all well and letters from Mother and Mary.

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DECEMBER, SATURDAY 29. 1877.

Colder last night. Nucle I
took me to Bristol this A. M.
I got my luggage and did
several errands. Wrote part of
the P. M. and visited.

DECEMBER, SUNDAY 30.

1877.

DE

Windy, cloudy, cold and with every appearance of a heavy easterly storm. But with a few flakes of snow all blew over. Uncle J. and I went to meeting. Mr. Hilliard of Plymouth preached a sermon of great originality and force. We did not return in the P. M. I spent the rest of the day in reading, conversing, singing, &c.

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The end of everything comes as
does the close of this to me long
& eventful year. The day was bright
& cold & windy. At 9 Uncle I.
took me over to Farmington and
at 10 1/2 we met the judge of
Probate, C. L. Whitman at the
Bank Office. I went thro' the
forms & was appointed administrator
of my wife's estate. Reached home
before 1. I wrote in the P.M. In the
evening I spent sometime at
Uncle I's.

Thus ends this year, one of
~~wonderful~~ experiences and
almost unlooked for mercies.
God kept me through all my
wanderings in safety and has
spared the lives of all my
relatives. At the close of this
twelvemonth I find myself in
apparently better health than
at its beginning and though I
am without a Parish & am alone
in the world I have a comfort-
able home - even several - and have
work to do and encouragement
for the future & a head full of stim-
ulating hopes and aims.

MEMORANDA.

- Stanley's Sinai & Palestine
 Baedeker - Osgood & Co -
 Van Lennep's Bible Lands -
 Boissier's Flora Orientalis -
 Gray's Darwiniana -
 Autobiography of a Vegetarian
 Frazer's Magazine - July 1876 -
 Cultivation of trees as a Crop -
 Bulwers Last Days of Pompeii. Study up P.
 Study. Pop. Descript. of plants of Europe & Eg. & Syria.
 Catacombs. Brownings book on Universal Cyclopaedia
 Rame. Account of recent Explorations by S. P. Marsh
 Tristram. Land of Israel & N. H. of Bible.
 Mueller. Great Religions of the World.
 Arabian Nights.
 Palgrave, Pocock, Burton, Burchhardt, Layard on Arabs.
 Florae Egypt. Arab. Forskal. B. A. 1846.
 Hist. Rei Herbar. Sprengel. 19. 13.
 Flora Atlantica Desfontaines.
 Flora Palestina, Strand!!! See Smith's Bible Dict.
 Flore d'Egypte, Delile. Ann. Ed. Wildermers to
 Plants of Palestine, Labillardiere 109. 17.
 Flora Graeca Sibthorp & Walpole Memoirs of Turkey
 Researches Robinson I. p. 123
 Movement of Exodus, David Roberts, 3429. 58
 Smith's Bible Dict. Art. Wildernesses Wilderness of
 Note at end of Book
 Tristram Natural History of the Bible. Public
 Gages Studies 5426. 17. Library
 Ritter.
 Celsius Microbotanicon. 5849. 14. 28. 13.
 Earth as modified by Human Action, S. P. Marsh
 Schimper, Floral Catalogue. Rich. an Sinai
 Jevons Principles of Science

MEMORANDA.

Sent to America - New York in a valise of Dr. Schaff's. Two undershirts, package of pressed flowers on cards, package of seeds & bulbs, Shells from Red Sea, Gourds, Arab Distaff, Granite from Sinai, Bone from the Catacombs. - Value assigned, 2 £. Space - less than 1/4 the value.

Dr. Schaff has one half a box of mamma belonging to me.

Oxyris alba Broom, Jerusalem Mt. Carmel & Scilla *maritima*, Broad leaved plant of Palestine.

N. Z. Errands. Rose of Jericho, Crown thorns, cap for turban, Schaff's things, *Plantae Orientales*.

Sent to Della Floyd for turban, tunic, woman's dress & veil.

CASH ACCOUNT—JANUARY.

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| | | cab in Liverpool | | |
| | | " " | | 1 |
| | | " " London | | |
| | | " " cars to Dover St | | 2 |
| | | 14 " Contrib. at Spurgeons | | 3 |
| | | 15 " for 4 cuffs | | 1 |
| 3 | 15 | 15 " Stanley's Sinai & Pal. | 22.5 | 11 |
| | | " 50 Check + credit from C. of 400 | 200 | 6 |
| | | " " Cook's Guide | 11-3 | |
| | | 14 By | | 1 |
| | | remittances | | |
| | | 24 Warburg 5 pieces | | 6 |
| | | 22 For Shakespeare Woodcut | | 1fr |
| | | Guide at Rome | | 40cts. |
| 4 | 61 | 8 shillings a day | | |
| | | | sh | |
| | | | 24 | |

1 Butin - Oak - Butin -
 7 5 Nubb - Crataegus spina-cristi -
 Carob - Ceratonia siliqua -
 Sukkum - Eleagnus - like olive but thorny -
 Esob - Zizyphus -
 Retem - Quercus -
 6 2 Hommeus - Cicer arietinum -
 Ads - Lentil -
 1 4 Bamia towilch - Hibiscus esculentus -
 Bamia beledi or wayha - H. fraxinifolius -
 D. Lufa? Mandrake - S. of Hebron & in Mts.
 1 01 Sout Acacia tortilis - Mt. Sinai
 = burning bush
 Seyah " = Shittim
 5 8 Farfa - Fawarukh.
 Lasaf = Caper plant
 Seimir = Barley -
 Gamch = Wheat -
 Hassab el Sukkar = Sugar Cane.
 Saf-saf - willow
 Ghurkud - thorny bush. Nitraria tridentata

Saigib = good. ciwa & nam = yes =
 Kater = very. Leich = Water. Tukrah = turn over
 Arr-rit to bring camel into life. Ergah, & c
 Suttural "h" to make camel get down.
 "Kemarak Said". Luck to you.
 Wady Sawarik - opp Ayun Musa.

1/2 Tariff Piastres = Franc - or 8 "Currencies"

CASH ACCOUNT - FEBRUARY.

| DATE. | RECEIVED. | PAID. |
|--|-----------|------------|
| 1 By ride in Alexandria. | | 4 franc |
| " " self & baggage, ashore
to Hotel & Custom Ho. Charge | | 5 sh |
| 2 " Station. | | 2 sh |
| " postage stamp. | | 2 1/2 |
| 5 Up pyramid & down | | 10 fr. |
| " Water boy | | 4 piaster |
| 3 Drive in A.M. & Buckle shoes. | | 3 fr. |
| " " P.M. | | 2 1/2 |
| " Buckle shoes | | 2 1/2 |
| 6. Glasses | | 2 1/2 |
| " Scarf | | 2 fr. |
| " Zigzag tour (Gazeerah) | | 12 1/2 fr. |
| " Papers to Dr. Sansing's schools | | 2 1/2 |
| " Carriage | | 13 1/4 |
| 23 By distaff | | 2 piaster |
| " " of lavender | | 2 " |
| " " date flowers | | 1 " |
| " " Bakshish to "Obe" | | 3 " |
| " " Cent (Abbott) repaid | | 20 " |
| 24 " gift to Mohammed - 5 fr = | | 4 " |
| " " Lachry to Arriset 1 fr | | 4 " |
| 26 " Washing | | 4 " |
| " " tip to Steward 5 fr = | | 20 " |
| 27 " ink | | 5 " |
| " " collars | | 4 " |
| " " cutting hair. (2 shillings?) | | 12 " |
| " " ride + 4 pi. Bakshish | | 12 " (12) |
| " " hotel bills to Trieste +
porterage & extra - to bring
me into the personally
conducted party -
in two checks - | | |
| " To balance of 5 £ check. | | 15 |
| 28 By ride to Teiopolis | | 15 |

Plants seen but not collected.

Wild fig - Well of Nubk Hawy.

Veronica anagallis? W. Teiran - edging brook.

Reeds - Wady Teiran

Yellow *Lyoscyamus* Nubhl & North of it.

cap.

Botanical notes.

Cotula austrioides -

Tragopogon Arabica. Fl. many & flowers blue, whorls of 11

CASH ACCOUNT - FEBRUARY.

Hydrocotyle Alhagi - Leg. Fl. many, racemes, many.

Zygophyllum pinnata - axillary clusters.

ID.

Cycas revoluta - circinalis, E. V.

anc.

Thymus niger - ar. Sikkim -

Viscum album - mistletoe -

Orbanchis? seen at Wady Sudr & W. Shurundul -
growing thro' the sand - Fl. many Arabica -

2 1/2

1 1/2 foot high. Stem thick bent like a foot 3
inches from end & twisted for last 6 in. Roots a
few short roots broken from end. Spike 1 ft. long densely
flowered. Flowers 2 in. long, 5 shallow divisions of corolla
tubes (with stamens & pistil) bent at 1/2 its length &
constricted. Fl. yellow. Stamens 4. Anthers in rows
sticking together with wool, inserted in corolla
which is hairy below their insertion. Pistil longer.
Stigma broad & bent down to corolla. Ovary 4-
celled 4-parted. Yellow ring at base with red
- many fine seeds.

arter

fr.

fr.

aster

"

Stem hard purple with lighter scales. Outer
bract for each flower - 2 inner ones & 5 sepals
calyx tube. Interior of root white & resembling
milk of potato in appearance & taste. Stamens
ascending.

(Later all through the Desert in sandy wadies.)

Orbanchis like the above but smaller -
divisions of corolla purple, tube white,
2 folds in thro at yellow. Stem & scales
purple -

Shepherdia, Blue *Geranium* (Craw's bill)

Linum pubescens. *Pterocephalus Palestinus* &
many Compositae.

Foot hills towards Hebron. *Cyclamen*, *Styx*, *Burnet*,
large *Salvia*, *Cistus*? yellow

(72)

Polium, *Carob* - Large flowered. *Cistus*? yellow
Smaller (5 p. 30-56+) yellow, & white, *Arbutus*

Helix desertorum - large, much
red color.

H. Boissierii, contorted mouth -

H. euryomphala, not large as *H. desertorum*
white open umbilicus.

Bulinus decollatus - truncated -

at Berne. *Antirrhinum deltoidea*, D.C.

Gentiana acaulis, *Erica carnea*.

Hippocastanum carnea? *Geranium*

sylvaticum *Pinus cembra* (50, Alps)

Chrysanthemum grandiflorum -

ok.

CASH ACCOUNT—MARCH.

| DATE. | RECEIVED. | PAID. |
|---|------------|-------------------|
| | Piastres | |
| 1 By "Sugar Powder" | 7 - | |
| " " donkey ride | 8 | |
| 2 " washing | 6 | |
| 3 " postage on letter (6d board of P.S.) | 12 1/2 sh. | |
| " " hotel bill (12 sh " ") | | |
| 12 " lunch at Saint Catherine | 10 | |
| " " "inanna" | 8 | |
| 14 " poor of Convent | 8 | |
| 26 " for guide at Gaza | 1 | |
| 27 " Bakhish to my Arab | 8 | |
| " " " to other Arabs | 6 | |
| 29 " " Convent Bethlehem | 8 | |
| 30 ^{10%} By check cashed. £. 01 for gold | | Recd. 247 1/2 sh. |
| " By Bakhish, Mt. of Bethlehem | 8 | |
| 31 " ink | 2 1/2 d | |
| " " book | 1. 0. 6 | |

Turkey.
 1 Piaster = 40 Paras = 80 half Paras.
 1 Russian Franc = 4.30 Piasters.
 " " = 17 half pence (English)

Subjects to be Studied

CASH ACCOUNT—MARCH.

| PAID. | DATE | RECEIVED. | PAID. |
|-------|------|---|-------|
| | | Acacias, Aloes, Agaves, Succas | |
| | | Caranthis, Pepper tree | |
| | | The Camell. See July 5. Herb. | |
| | | Fig tree - The difficulty | |
| | | Sticks up Arabia Burton? | |
| | | Biblical Name of Coney - <i>Tristram</i> | |
| | | Palmer - Desert of Exodus <i>(Lycra Syriacus)</i> | |
| | | Botanics of Syria, Pal. Arabia & Egypt. | |
| | | Dist. between bay & laurel | |
| | | Russengers Map of Sinai. | |

id.
h

sh

CASH ACCOUNT—APRIL.

| DATE. | RECEIVED. | PAID. | DATE. |
|---|---------------|-------|-------|
| | <i>francs</i> | | |
| 3 By Palestine Museum | | 2 | |
| " " horseback ride | | 5 | |
| " " mending boots | | 5 | |
| (Foot owes 2 for Museum 5/night)
925 + 7 borrowed April 12. | | | |
| 4 By Bahilish Joseph 15 for
Abraham 5, the Cook 5 | | 25 | |
| " Seeds & bulbs 3s 3d,
12 cards pressed flowers 12p.
minerals 1 1/2 s, colocyttis 1s. | | 22 | |
| 5 By postage | | | 50 |
| " " Bahilish at Beltrany | | 1 | 50 |
| 6 " Hebrew Roll of Esther | | 10 | 50 |
| 7 " Bahilish for Greek Fire | | 1 | - |
| 8 " collars | | 2 | - |
| " " map | | 1 | 50 |
| " " bag with shoulder strap | | 18 | 00 |
| " " pencil & penholder | | | |
| 60 paras - 60 paras | | | |
| " " lentils 20 paras - | | | |
| " " postage on letter | | | 50 |
| " " washing - 12 pieces. | | 4 | - |
| 11 " Bahilish to our guard - | | | |
| 12 " " various, 3 coppers. | | | |
| " " Samaria, Nazareth (Bahmad)
Zabon | | | |
| 16 " sail in Sea of Galilee one hour | | 1 | - |
| 19 " Bahilish to guide to Castle Shabeibeh | | | |
| 22 " contribution, Mission S.S. | | 4 | - |
| 23 " Bahilish to Jerusalem to Damascus | | | 50 |
| " " postage 2 letters - sixpence | | 12 | (6d) |
| " " Arab Abba | | | 50 |
| " " " Joseph as guide | | 2 | - |
| " " " boy & lock | | 1 | - |
| 24 " pay for care of boots | | | 50 |
| 26 " entrance to Round Temple | | | 50 |
| 28 " collars | | 1 | 50 |
| " " guide & exchange | | 1 | 50 |
| 30 " cutting hair | | 1 | 25 |
| " " Bahilish to Ward | | 10 | 00 |
| " " " 3 watters | | 15 | 00 |

CASH ACCOUNT—MAY.

Francs unless specified

| DATE. | | RECEIVED. | PAID. | DATE. |
|-------|--|-----------|------------|------------------|
| May 1 | By boots & slippers mended | | 1 25 | 26 th |
| " | " 20 sheets foolscap | | 2 piastres | 27 |
| " 2 | " boat at Larnika (w. Dr. Post) | | 1 00 | 28 |
| " " | " guide " | | 50 | " |
| " 5 | " boat, guide &c. | | 60 | " |
| " 10 | " horseback ride | | 5 — | " |
| " " | " dinner | | 1 50 | " |
| " " | " derwisches, ears &c. | | 2 00 | " |
| " " | " washing | | 1 50 | " |
| " 11 | " carriage to see Sultan | | 2 25 | " |
| " " | " hat | | 12 00 | " |
| " " | " fezes 2-1 medjed each | | 9 75 | " |
| " " | " caïque to steamer | | 5 piastres | 29 |
| " " | " bakshiish to guide | | 1 00 | 30 |
| " 8 | fare of letter | | 50 | " |
| " 13 | " " | | 50 | " |
| " " | pay of guide | | 3 piastres | " |
| " " | 3 crossings of bridge | | 50 paras. | " |
| " 14 | Ride 1- bakshiish 25 | | 1 25 | " |
| " 15 | " " | | 2 00 | " |
| " 16 | " 6 1/2 bakshiish 1/2 | | 7 00 | " |
| " " | orange 20, bakshiish Museum 10 | | 60 | " |
| " 18 | By ride to Pentelicus | | 11 50 | " |
| " " | " cravat | | 2 00 | " |
| " " | " night lodging + 5 days | | 4 00 | " |
| " " | " bakshiish | | 1 00 | " |
| " 22 | " ride | | 2 00 | " |
| " " | " postage | | 1 00 | " |
| " " | " roses | | 10 | " |
| " 23 | To 10 th check cashed by Cassuto Aquilina 250. 00 | | | " |
| " 24 | By ride Trieste to Miramar | | 2 50 | " |
| " " | " 2 meals at Trieste | | 9 00 | " |
| " 24 | " ticket to Venice (2c.) | | 14 50 | " |
| " 25 | " Baedekers Switzerland | | 9 00 | " |
| " " | " Campanile | | 35 | " |
| " " | " Doge's Palace | | 2 20 | " |
| " " | " dinner | | 1 12 | " |
| " " | " Sail | | 3 00 | " |
| " " | " book of photographs | | 20 00 | " |
| " " | " Last Days of Pompeii | | 50 | " |
| " 26 | " 10 Hotel Coupons | | 100 00 | " |
| " " | " glass (breakage) | | 2 50 | " |
| " " | " extra meal | | 2 50 | " |
| " " | " 2 nd Class to Milan | | 27 00 | " |
| " " | " boat to station | | 1 10 | " |
| " " | " porter | | 10 | " |
| " " | " dinner | | 1 10 | " |
| " " | " ride & fees at Verona | | 3 70 | " |

CASH ACCOUNT—MAY.

| ID. | DATE. | | RECEIVED. | PAID. |
|-----|------------------|---------------------------------------|-------------|-------|
| | 26 th | By supper | | 2 70 |
| 25 | " | care of luggage | | 45 |
| 27 | " | Waldensian Church | | |
| 28 | " | ticket to Lucerne 2 nd cl. | 40 35 | |
| 100 | " | omnibus at Milan | 2 00 | |
| 50 | " | eggs | | 50 |
| 60 | " | postal card 15, stamp 30 | | 45 |
| — | " | luggage | | 20 |
| 50 | " | omnibus at Como | | 50 |
| 100 | " | dinner | | 1 60 |
| 50 | " | Do 5 £. check cashed at | 100 00 gold | |
| 25 | " | Hotel Royal - - - | 28 00 paper | |
| 100 | " | By ticket to Lucerne | 40 35 | |
| 75 | " | luggage porters & omnibus | | 90 |
| 100 | 28 | Bellagio and back | 5 60 | |
| 100 | 30 | omnibus | | 50 |
| 50 | " | Bellagio, Hotel Grande Bretagne | | |
| 50 | " | 2 nights & 5 meals | 25 00 | |

CASH ACCOUNT—JUNE.

Francs & centimes unless specified.

| DATE. | RECEIVED. | PAID. | DATE |
|-------|---|-------|--------|
| 1 | By 2 whole days at Lugano | 23 25 | 16, 70 |
| " | " washing | 50 | 15 " |
| " | " paper | 25 | " " |
| " | " discount on 4 lira paper | 1 00 | 16 " |
| " | " baggage-overnight 40 + Porter | 1 20 | " " |
| 2 | " porter at Lucerne | 1 00 | " " |
| " | " lunch at Andermatt | 2 00 | " " |
| " | " lodging & breakfast Airolo | 4 50 | 17 " |
| 3 | " Contribution | | 18 " |
| 4 | " fares Nizman 2. Rigi Nylung. | | " " |
| | " Immensee 60, Küssnacht 70 Lucerne 2. | 12 50 | " " |
| " | " lunches-2. | 1 50 | " " |
| 5 | " Museum | 1 00 | " " |
| " | " Gletschergarten | 1 00 | 19 " |
| " | " paper & envelopes | 1 00 | " " |
| " | " collars | 1 50 | " " |
| " | " ice-cream | 70 | 20 " |
| " | " mending boots | 7 00 | " " |
| " | " stamps & cards | 1 20 | " " |
| 6 | " washing & extra food at Lucerne | 3 65 | 21 " |
| " | " Porter & fees to waiters | 4 00 | " " |
| " | " Steamboat Alpsee | 2 40 | 22 " |
| " | " diligence to Brienz | 8 50 | 23 " |
| " | " " " " " " " " " " " | 2 30 | " " |
| " | " supper + 1/2 fr. for luggage | 3 50 | 28 " |
| 7 | " lodging & breakfast | 5 75 | " " |
| " | " dinner 1.25 + milk 30 | 1 55 | 24 " |
| " | " Upper Grindelwald Glacier | 75 | 27 " |
| " | " Alpsee Hotel | 10 | " " |
| " | " Reichenbach fall | 50 | 26 " |
| 8 | " 2 meals & lodging, Grindelwald. | 9 00 | 28 " |
| " | " lunch 1. meal 1.50 | 1 80 | 25 " |
| " | " horse & guide to top 36 + "drink money" | 40 00 | 28 " |
| " | " porter at Hotel de 2 Biers | 50 | 29 " |
| 9 | " Hotel bill Lauterbrunnen + Porter 1. | 6 00 | " " |
| " | " fares Interlaken 2.75, to Berne 5.05 | 7 80 | " " |
| " | " omnibus 1. boots 50, Porter 60 | 2 10 | " " |
| 10 | " contribution | 2 00 | " " |
| 11 | " Museum & Cathedral | 1 80 | " " |
| " | " Oranges 50, Ice 60 | 1 10 | " " |
| 12 | " Hotel Bill - Coupons + | 6 50 | 30 " |
| " | " Porter | 1 00 | " " |
| " | " Pictorial | 1 00 | " " |
| " | " fare to Geneva | 12 35 | " " |
| " | " ticket to Chamourmy | 21 00 | " " |
| 13 | " dinner | 2 50 | " " |
| " | " Porter, flowers, clarity | 7 50 | " " |
| 14 | " Alpbstock | 1 50 | " " |
| " | " Guide | 2 50 | " " |
| " | " Chalets | 20 | " " |
| " | " milk & eatables | 1 50 | " " |
| 15 | " Chamourmy to Vevray 21.25 + 1. | 2 25 | " " |
| " | " eating | 1 10 | " " |
| " | " Borgelodes Gricut | 1 50 | " " |
| 16 | " Hotel at Vevray | 11 00 | " " |
| " | " Bouveret R.R. 5 | 2 65 | " " |
| " | " fare to Chillon | 2 7 | " " |

CASH ACCOUNT—JUNE.

| DATE. | RECEIVED. | PAID. |
|---------------------------------------|-----------|--------|
| 16 To fee at Chillon | | 1. 50 |
| 15 " Hotel at Chamoray | | 22 10 |
| " " Porters at C. & U. | | 1 80 |
| 16 " Chillon to Montreux | | 20 |
| " " dinner at " | | 2 50 |
| " " fare to Geneva | | 7 00 |
| " " porter to Hotel | | 1 00 |
| " " supper on Boat | | 1 75 |
| 17 " coach b. | | 2 00 |
| 18 By Cash cashed | 250 00 | |
| " 20 cards 25 Postage 10 + 50 | | 85 |
| " " eating 75, Museums 40. 1.50 | | 2 25 |
| " " Photo books 10, 10 + 5 + 19 views | | 41 20 |
| " " Floras, 2 + 12 = | | 21 00 |
| " " Bellows Dictionary | | 13 25 |
| " " Tourists Flora | | 25 50 |
| 19 " Car 25, Boots 20, News 50 | | 95 |
| " " Cherries 25 Card Photo 2 fr. | | 2 25 |
| " " ticket to Paris | | 76 90 |
| 20 " Mres. Jol | | 1 00 |
| " " Porters & Waters | | 3 20 |
| " " Hotel, Washing, Omnibus | | 30 60 |
| " " at Geneva - Carport | | 1 00 |
| 21 " Eating | | 2 50 |
| " " Omnibus | | 26 25 |
| " " Cooks Excursion | | |
| 22 " Boots 20. | | 2 00 |
| 22 " Panorama of Paris | | 9 90 |
| 22 " Eating 180, 23, 4.60, 22, 350 | | 3 00 |
| 22 " Guide to Paris | | 60 |
| " " Fees to Driver, Guide & Entrances | | 4 50 |
| 28 " Dinners & Suppers 5 days | | 14 20 |
| " " Transportation " | | 4 65 |
| 29 " Contributions | | 2 00 |
| 27 " News, 80 Postage 55 | | 1 35 |
| " " Jardin d'acclimatation | | 1 00 |
| 26 To 5 £ Note | 125 00 | |
| 28 By Ticket via Dieppe to London | | 41 35 |
| 25 " Chair | | 10 |
| 28 " Reading Room | | 50 |
| 29 " Cook's London Guide | | 60 |
| " " Hotel Londres St. N. S. - 9 days | | 56 10 |
| " " Waiter 3 fr. Porter 2 | | 5 00 |
| " " Crackers - 1/2 kilo - | | 1 60 |
| " " Porters, Boat & Hotel | | 1 00 |
| 30 " Newhaven Hotel | | 54 6d. |
| " " Porter | | 6d. |
| " " Cabs. | | 2d. |
| " " Exchange of 5 fr. | | 2d. |
| " " Ice Cream | | 7d. |

CASH ACCOUNT—JULY, Shillings & pence unless specified

| DATE. | RECEIVED. | PAID. | D |
|---|-----------|----------------------------------|----|
| 1 By Contribution | | 1 - | 19 |
| 2 50 checks cashed | 300 00 | | " |
| " " Credit on Eastern Trip | | | " |
| Reduction for 25 days in Palestine | 37 6 | | " |
| from 26 ¹ / ₂ d. to 25s = trip | 10 0 | | " |
| " " Failure of Ephesus trip | | | " |
| " By leather trunk 95 + Case 15 | | 110 00 | 20 |
| " " Badger's Syria & Pal | | 17 00 | 19 |
| 3 " Guide to Hebr | | 1 00 | 21 |
| 4 " Suit of clothes 6 sovs out 6-6p. | | 126 00 | " |
| " " Hebr's Christian Year | | 3 00 | " |
| " " Map - Ottoman Empire in Asia | | 11 00 | " |
| 6 " Hair cut & fringed 1 Comb. 1-3 | | 2 3 | " |
| " " 100 cards & copper plate | | 4 00 | 22 |
| 7 " dinners for the week | | 5 05 | 2 |
| " " transportation for the week | | 2 01 | 2 |
| " " Beggars 1 ¹ / ₂ W.C.I., Boots 6 | | 08 ¹ / ₂ | 24 |
| " " News 3 & Zoological Gardens | | 1 03 | " |
| 8 " Contribution at Churches | | 2 00 | 26 |
| 90 " collar & tie | | 1 00 | 25 |
| 11 " Entrance to Tower 1s + Guide | | 1 06 | " |
| " " Kefiyeh of R. Floyd | | 25 00 | " |
| " " Wild Fauna of Palestine | | 17 06 | 26 |
| " " Saturday Guide | | 04 | 27 |
| 9 " Galleries Hall 4c of St. Paul | | 2 01 | " |
| 10 " Horticultural Gardens & Albert Hall & Programme | | 2 07 | " |
| 11 " Tower 1s, Guide 6d | | 1 06 | " |
| " " "Civilities" | | 01 | 25 |
| 15 " Lunches past-week | | 3 10 | " |
| " " transportation past-week | | 8 06 ¹ / ₂ | 28 |
| 10 20 balance of "Circular Letter" | 600 00 | | " |
| 13 By Guides - Parliament 1st Crystal Palace | | 1 02 | " |
| 14 " Cook & Washelaps Exhibition | | 1 00 | " |
| 12 " Cave at Crystal Palace | | 01 | " |
| " " Civility | | 01 | " |
| 14 " Contribution | | 2 00 | " |
| 20 " Board 21 days except - | | | " |
| dinner @ - 5s 6d - | | 115 06 | " |
| " " 3 washings (& mending) | | 2 03 | " |
| " " Grunk to Liverpool | | 2 08 | Ac |
| " " Cab. | | 2 00 | " |
| 21 " Cab. | | 2 06 | " |
| " " transportation for the week | | 1 05 | " |
| " " eating for week | | 3 11 ³ / ₄ | " |
| " " postage | | 08 ³ / ₄ | " |
| 18 " Murray's Egypt | | 12 06 | " |
| 19 " paper | | 1 04 | " |
| " " Dore's Gallery 1 + 6d | | 1 06 | " |
| " " Livonian Society | | 1 00 | " |
| " " gloves | | 3 03 | " |
| " " paper wristbands 12d | | 1 00 | " |
| " " 4 Mediterranean shells | | 4 00 | " |
| 20 " Aquarium | | 1 00 | " |
| 19 " ticket to Liverpool & Glasgow | | 84 05 | " |

CASH ACCOUNT—JULY.

| D. | DATE. | | RECEIVED. | PAID. |
|--------|-------|--------------------------------------|-----------|-------|
| — | 19 | By 2 Aunt Louisa Books | | 2 00 |
| | " | " 1 " " | | 09 |
| | " | " 2 Chatterboxes & 1 Birds | | 9 00 |
| | " | " Walt's Illustrated | | 1 08 |
| | " | " " plain | | 03 |
| 70 | 20 | " 36 Stereoscopic views | 30 00 | |
| 70 | 19 | " given in Horse Car | | 02 |
| 70 | 21 | " board 21 days (except dinner) | 115 06 | |
| 70 | " | " Charles | 5 00 | |
| 70 | " | " Stereoscope of Melrose | 1 00 | |
| 3 | " | " Entrance to U. A. & baggage | 06 | |
| 70 | 22 | " Contribution at Ch. | 2 06 | |
| 75 | 23 | " Compass 14, Museum & Holy road 14. | 2 00 | |
| 78 1/2 | 24 | " 3 nights & 5 meals Edinburgh | 24 00 | |
| 73 | " | " Waiter & Porter | 2 00 | |
| 70 | 26 | " Staffa & Iona trips | 20 00 | |
| 70 | 25 | " "Waverly" Supper & lodging | 6 03 | |
| 76 | " | " Landing at Goyers | 04 | |
| 70 | " | " Music | 06 | |
| 76 | 26 | " ferms at Iona | 02 | |
| 74 | 27 | " Caledonian (Oban) | | |
| 71 | " | " 2 lodgings, 3 meals | 15 06. | |
| 77 | " | " Glasgow to Liverpool | | |
| 76 | " | " 2nd class | 23 03 | |
| 71 | " | " Other meals 5 days | 7 06 | |
| 70 | 25 | " omnibus (Inverness) | 1 00 | |
| 76 1/2 | " | " Porter | 06 | |
| 72 | 28 | " box pens | 06 | |
| 70 | " | " box collars | 10 | |
| 71 | " | " Liverpool, Breakfast | | |
| 71 | " | " & lodging part of night | 6 06 | |
| 70 | " | " omnibus to Ch. | | |
| 76 | " | " Cunard Office | 1 06 | |
| 73 | " | " Porters 3 times | 06 | |
| 78 | " | " Newspapers this week | 05 1/2 | |
| 70 | " | " Cunard Porter | 1 00 | |
| 76 | " | " | 10 00 | |
| 75 | Aug 8 | By Table Steward James | | |
| 71 3/4 | " | " Harrison, Bedroom | | |
| 76 | " | " Steward | 10 00 | |
| 75 | " | " Boot black | 2 50 | |

CASH ACCOUNT—AUGUST.

| DATE. | | RECEIVED. | PAID. | D. |
|--------|--|-----------|-------|----|
| 8 | To Cash on hand | 15 00 | | |
| " | " for Eng. money | 50 | | |
| " | By trunk to Hotel | | 50 | |
| " | " Bay. Ferry City & New York | | 17 | |
| " | " Ferry 2 Horse cars 18 | | 20 | |
| " | " hair cutting & shampooing | | 65 | |
| 9 | " Eating yesterday & today | | 70 | |
| " | " Groceries & Boots | | 35 | |
| " | " Pop. Se Vol. & Papers | | 55 | |
| " | " fare to the Se. 3.00, to Dorchester | | 3 60 | |
| " | " Grand Union Hotel | | 1 50 | |
| " | " carriage to Grand pas | | 1 00 | |
| 11 | " Naturalist's Directory | | 1 00 | |
| 14 | " Postage 1.50 + 2.5 + 5 | | 1 80 | |
| " | " Railway Guide | | 40 | |
| " | " Drawers | | 50 | |
| " | " Eating | | 15 | |
| " | " housekeeping | | 50 | |
| 21 | To Cash from Mother | 59 00 | | |
| " | By tickets to N.Y. | | 2 80 | |
| " | " Harper's Magazine | | 35 | |
| 23 | " Boots | | 10 | |
| " | " Horse cars | | 27 | |
| 24 | " on trip to Ohio | | 47 | |
| " | " trunk transportation | | 1 10 | |
| " | " ticket to Columbus | | 16 25 | |
| " | " Newspapers | | 14 | |
| " | " Wash at Columbus | | 10 | |
| 28 | " Note Paper 1/4 ream | | 75 | |
| " | " envelopes | | 14 | |
| " | " Knife. | | 1 25 | |
| " | " suspenders | | 1 00 | |
| " | " car tickets | | 25 | |
| 31 | " Mary's Expenses (R.R. &c) | | 14 00 | |
| " | " hunting photographs | | 50 | |
| " | " 2 1/2 yds cotton cloth | | 25 | |
| " | " Mary's Expenses with
\$14.00 above | | 1 00 | |
| Totals | | 74 50 | 54 62 | |

CASH ACCOUNT—AUGUST.

| PAID. | DATE. | RECEIVED. | RECEIVED. | PAID. |
|-------|-------|-----------|-----------|-------|
|-------|-------|-----------|-----------|-------|

| | | | | |
|-----|--|--|--|--|
| 50 | | | | |
| 87 | | | | |
| 20 | | | | |
| 65 | | | | |
| 70 | | | | |
| 35 | | | | |
| 55 | | | | |
| 60 | | | | |
| 50 | | | | |
| 100 | | | | |
| 100 | | | | |
| 180 | | | | |
| 40 | | | | |
| 50 | | | | |
| 15 | | | | |
| 50 | | | | |
| 280 | | | | |
| 35 | | | | |
| 10 | | | | |
| 27 | | | | |
| 2,3 | | | | |
| 10 | | | | |
| 625 | | | | |
| 14 | | | | |
| 10 | | | | |
| 75 | | | | |
| 14 | | | | |
| 125 | | | | |
| 100 | | | | |
| 25 | | | | |
| 15 | | | | |
| 100 | | | | |
| 50 | | | | |
| 25 | | | | |
| 100 | | | | |

62

CASH ACCOUNT—SEPTEMBER.

| DATE. | | RECEIVED. | PAID. | D. |
|-------|-------------------------------|-----------|-------|----|
| 1 | To Cash on hand | 19 88 | | |
| 2 | By Contribution | | 25 | 22 |
| 4 | " Car tickets | | 50 | " |
| 7 | " row-boat 1/2 hour. | | 20 | 24 |
| 8 | " envelopes | | 25 | " |
| 9 | " contribution | | 25 | |
| 10 | " undershirts | | 3 50 | 27 |
| 11 | " getting trunk to Station | | 35 | 28 |
| " | " ticket to Springfield | | 14 25 | " |
| 12 | " " " Newport | | 8 30 | 29 |
| 13 | " Stage to Peacham | | 50 | |
| " | " eating on trip | | 40 | " |
| " | " news 15, boots 10, bag 10 | | 35 | |
| " | " barber 50, collars 25 | | 75 | |
| " | " grapes & peaches for dinner | | 60 | |
| 10 | To Compen cashed | 50 00 | | |
| 12 | By telegram | | 30 | |
| 15 | " team for ride | | 75 | |
| 18 | " " " " | | 75 | |
| " | " washing 1/2 day | | 45 | |
| 19 | " Mrs. Morrill, Merrill 2 wks | | 16 00 | |
| " | " " M. night 2 wks to 22nd | | 2 00 | |
| " | " Drs. bill | | 1 50 | |
| 20 | " Mina - gift | | 10 00 | |
| " | " stage to Barnet | | 50 | |
| 22 | To Crockery &c. for 4 wks | 5 50 | | |

CASH ACCOUNT—SEPTEMBER.

| D. | DATE. | | RECEIVED. | PAID. |
|----|-------|-----------------------------|-----------|-------|
| 25 | 22 | To Boiler sold (Peck) | 2 75 | |
| 50 | " | By Storage of furniture | | 3 00 |
| 20 | 24 | " express on photographs. | | 60 |
| 25 | " | To Furniture sold, by | | |
| 5 | | C. H. Greene | 13 50 | |
| 50 | 27 | " Lecture | 26 60 | |
| 35 | 28 | " ticket to New York | | 10 00 |
| 25 | " | " Leslie's Pop. Monthly | | 25 |
| 30 | 29 | " boots 10, bags 10, news 5 | | 25 |
| 50 | " | " lodging | | 1 00 |
| 40 | " | " fare to Forestville | | 60 |
| 35 | | | | |
| 75 | | Totals | 118 23 | 78 40 |
| 60 | | | | |
| 30 | | | | |
| 75 | | | | |
| 75 | | | | |
| 45 | | | | |
| 70 | | | | |
| 70 | | | | |
| 50 | | | | |
| 60 | | | | |
| 50 | | | | |

CASH ACCOUNT—OCTOBER.

| DATE. | RECEIVED. | PAID. |
|-------------------------------|-----------|-------|
| 1 To Cash on hand | 39 83 | |
| " " " over check | 30 | |
| " By postage | | 1 50 |
| 4 " fares 60, 3.50 to Boston | | 4 10 |
| " " news | | 10 |
| 5 " trunks moved | | 50 |
| 6 " postal 2, boots 5. | | 07 |
| " " ink | | 10 |
| " " hat | | 7 00 |
| 5 " car-fares 2 days. | | 36 |
| 6 " Eating 2 days | | 55 |
| 9 " Horan | | 75 |
| " " unweilage 12, paper 2 | | 14 |
| 10 To Newtonville & back | | 36 |
| " " Elijah Oratorio | | 75 |
| 11 " postage 34 Words 10 | | 44 |
| 12 " barber 35, cars 28 | | 63 |
| " To Coupon cashed | 50 00 | |
| " By Check for Horabrientatis | | 15 47 |
| 13 " Envelopes 65 | | 65 |
| " " food past week | | 2 57 |
| 14 " contribution | | 10 |
| 15 " fare to Wellesley & back | | 80 |
| " " collars | | 25 |
| 18 To 7 1/2 sovereigns sold | | |
| @ 4.95 - 6 1/2 cts | 37 06 | |
| | 127 19 | 37 19 |

CASH ACCOUNT—OCTOBER.

| D. | DATE. | RECEIVED. | PAID. |
|----|--------------------------------|-----------|-------|
| | 19 To Cash brot forward | 90 00 | |
| | 20 By fare to Andover & back | | 1 20 |
| 50 | 17 " Contribution (Merrill) | | 25 |
| 10 | 20 " washing 2 weeks | | 75 |
| 10 | " " eating this week | | 1 36 |
| 50 | 22 To preaching for Boyd | 12 00 | |
| 57 | " By fare Amesbury trip | | 2 50 |
| 10 | " " tags 10, news 4 | | 14 |
| 70 | 23 " charity | | 15 |
| 36 | 24 " Collars 22, Boot brush 40 | | 62 |
| 55 | 31 " Car-riding | | 56 |
| 75 | " " Cook's Egypt | | 2 00 |
| 14 | 28 " collection | | 05 |
| 26 | 31 " eating 10 days | | 2 75 |
| 75 | 29 To Sabbath Services | 15 00 | |
| 14 | 30 By matches | | 02 |
| 63 | | 117 00 | 12 35 |

CASH ACCOUNT—NOVEMBER.

| DATE. | RECEIVED. | PAID. |
|------------------------------------|-----------|-------|
| 1 To Cash on hand | 104 65 | |
| 2 By room 4 weeks | | 6 00 |
| " " rubbers | | 85 |
| 1 " car-fare | | 16 |
| 5 To preaching N. H. | 15 00 | |
| " By Foreign Miss, 1 year | | 1 00 |
| 6 " Overcoat | | 28 00 |
| 5 " Wood, 1.35 + 20 + sawing 4c 50 | | 2 05 |
| 9 " Peninsula of M. S. Map | | 4 00 |
| " " Note Book | | 15 |
| 5 " Advt of Lecture | | 1 80 |
| 10 " Food 14th to 10th | | 2 65 |
| 8 " fare to Cambridge | | 20 |
| " To stamps sold | 12 | 00 |
| 16 By Washing to far | | 1 25 |
| 17 " News 3, Library fine 6 | | 09 |
| 16 " contributions | | 50 |
| 15 " cars & ferry | | 49 |
| 17 " "roll" mended | | 30 |
| " " Songs of Salvation | | 30 |
| 18 " Eating | | 1 95 |
| 24 " Sermon Paper | | 1 75 |
| " " Eating | | 1 14 |
| 27 " Postage Stamps | | 1 50 |
| 28 " Mending Boots | | 50 |
| 29 " Travelling | | 63 |
| | 119 77 | 57 26 |

CASH ACCOUNT—NOVEMBER.

| D. | DATE. | RECEIVED. | RECEIVED. | PAID. |
|----|-------|----------------------|-----------|-------|
| 70 | 27 By | Carle brot forward | 62 51 | |
| 85 | 30 By | Room rent 4 weeks. | | 8 00 |
| 16 | " " | Eating | | 1 27 |
| | " " | Contributions | | 30 |
| 70 | | | 62 51 | 9 57 |
| 70 | | | | |
| 75 | | Eating for the month | | 7 01! |
| 70 | | | | |
| 15 | | | | |
| 30 | | | | |
| 65 | | | | |
| 0 | | | | |
| 00 | | | | |
| 15 | | | | |
| 79 | | | | |
| 50 | | | | |
| 79 | | | | |
| 10 | | | | |
| 0 | | | | |
| 15 | | | | |
| 75 | | | | |
| 14 | | | | |
| 50 | | | | |
| 50 | | | | |
| 3 | | | | |
| 26 | | | | |

CASH ACCOUNT—DECEMBER.

| DATE. | RECEIVED. | PAID. | DATE. |
|--|-----------|-------|------------------|
| 1 To Cash on hand | 52 74. | | 28 th |
| " By washing | | 1 00 | " |
| 3 Poison for Herbarium | | 1 45 | 26 |
| 4 By Postage | | 05 | |
| 14 " Diary 1878 | | 50 | 28 |
| " " Bottles | | 70 | " |
| 16 " contributions | | 29 | " |
| 17 " Car & Ferry fares | | 45 | 29 |
| " " eating this month | | 1 70 | " |
| 18 " cutting hair | | 25 | 28 |
| " " matches | | 02 | |
| 8 " lost | | 10 | |
| 16 To preaching—1.00 to
B.W.W. & fares 3.80 | 5 20 | | |
| 17 " lecture at Chelsea | 5 00 | | |
| 18 By Dodge for wood | 50 | | |
| 21 To ferry & cabs | | 15 | |
| " " room last 3 weeks | | 6 00 | |
| " " eating | | 50 | |
| " " collars | | 25 | |
| " " fare to N.Y. | | 3 00 | |
| " " baggage keeping | | 20 | |
| " " boots | | 10 | |
| " " tickets to Plainville | | 2 80 | |
| " " baggage from Beirut | | 3 75 | |
| | 63 64 | 23 26 | |

CASH ACCOUNT—DECEMBER.

[illegible]

CASH ACCOUNT—SUMMARY.

| RECEIVED. | | PAID. | |
|------------|---|-------|---|
| JANUARY, | . | . | . |
| FEBRUARY, | . | . | . |
| MARCH, | . | . | . |
| APRIL, | . | . | . |
| MAY, | . | . | . |
| JUNE, | . | . | . |
| JULY, | . | . | . |
| AUGUST, | . | . | . |
| SEPTEMBER, | . | . | . |
| OCTOBER, | . | . | . |
| NOVEMBER, | . | . | . |
| DECEMBER, | . | . | . |

CASH MEMORANDA.

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Rev
to G
See

Notes & observations

World eye flesh & blood

JANUARY—BILLS PAYABLE.

Thrilled me again & again -

Differences are in detail

Age of nation - opportunities of education, religion, contact with world

See Apr 22.

See little of a country from cars
Gardens at R.R. stations in England, &c
English reserved, improve on acquaintance
Wear well

French the reverse

Temperance. Hon. Cook 40 yrs total
abstinence not using even tobacco. Travelled
how many thousand miles yearly in every
land. Never gave for using water. O. in
India but little of coconuts provided by
Crestor. Weybthero Palestine with a party
including Newman Kyle. all total abstinence
entirely free from diarrhoea - bone of country.

Every experience FEBRUARY. Gold could not
drink water - hurt eye &c. Seared to use by
ministers & everyone. I admire your moral
courage more than your prudence. Egbert
Starr 10 of many ministers here with slot one
yet (Feb 8) but used wine - 8 on 10th half of
them D.D's. Understand now they ministers
been abroad are so generally in favor of
expediency & introduction of light wine.
Universal drinking of Europe & Orient
(except Mohammedans).

Temperance of these countries only apparent
little downright drunkenness. But find
substance for wine - mental & moral demoral-
ization & physical fever. Sinner in demoral-
ization of French people. Awful condition
of things in Paris - few see. Gladstones
will to make European wine abundant
in England a confessed failure.

Bedouins. No alcohol MARCH little wine & tobacco.
Walk all day in sun without food or drink.
Use cigarettes & all poorer people of C. even boys.
Making them. Margharite & Chibouk.

Slipkane for hembane (Xylocarpus) & drunkenness in
Arabia - poison & drunkenness

Tobacco. Hindoo mother hangs her baby's
hammock to the roof & teaches it to smoke
before it can walk. Greeks smoke about
10 minutes out of every 60. Workmen have
to stop so much to make cigarettes &
consume them. This was a smoker's
estimate.

Paris consumes 39 mill. galls. wine annually, or 30
gals to every inhabitant. Morocco guide under "Halle
aux Vins." 66 to 88 mills, says H. Radon in
Revue des Deux Mondes Nov. 15, 1876 44400000
to 6,600,000 galls of beer.

See June 30

APRIL—BILLS RECEIVABLE.

| DATE. | NAME. | AMOUNT. | DATE. |
|--|------------------------|---------|-------|
| | <u>Merrill's Acct.</u> | | "The |
| Paid to Jan 4, 1877. | | 34 00 | rapid |
| Paid Apr. 5 | | 25 00 | hard |
| " July 31 st | | 35 00 | the |
| - to Aug. 2 nd | | | wor |
| Acct settled with Maria | | | whic |
| Mrs. Clarissa J. Clark, South | | | Dec |
| Peacham to Merrill | | | well |
| Sept. 22 nd | | | the |
| | | | blee |
| | | | wan |
| | | | visit |
| Wrote Mrs Clark about Merrill's | | | Sen |
| Not eating pork, butter, fat, grease, tea, | | | |
| Coffee or much cake. | | | Inde |
| Not eating between meals. | | | Ext |
| Eating regularly. | | | |
| Keep an account of all breakage | | | Chu |
| and expenses. | | | |
| Self-dependence. | | | Br |
| Crying things out | | | |
| inconsiderate at first. | | | "The |
| Sweating. | JUNE. | | & all |
| | | | God. |
| | | | call |
| | | | they |
| | | | the |
| | | | go on |
| | | | prea |

APRIL—BILLS PAYABLE.

| DATE. | NAME. | AMOUNT. |
|-------|---|---------|
| | <p>"The reason why <u>It</u> is spreading so rapidly over the world, while Judaism hardly <u>made</u> a proselyte is that <u>God</u> the <u>uncreated</u> & <u>invisible</u> attracted few worshippers among idolatrous nations who <u>must</u> have images: it was Deity embodied in a <u>human</u> form, walking among <u>men</u>, partaking of <u>their</u> infirmities, <u>learning</u> on <u>their</u> <u>torments</u>, weeping over <u>their</u> graves, & bleeding on the <u>cross</u>, that met the want of mankind with a tangible & visible object of adoration." Macaulay.</p> | |

| | | |
|--|--|-----------|
| Great Religions | | |
| Semitic | { Jewish
Christian
Mohammedan | 3,000,000 |
| Indo-European | { Brahmanic
Buddhist
Parsi (Zoroaster) | 100,000. |
| China. | { Confucius
Lao-Tse | |
| Buddhist, Mohammedan, Christian-Missionary | | |

JUNE.

"The Islam is the true worship of God: & all who humble themselves before God & are filled with real reverence are called Moslim." "God the heathen are they Moslim: if they are they are on the right path: if not, you who have no other task but to deliver the message, preach to them the Islam."

JULY—BILLS RECEIVABLE.

| DATE | NAME | AMOUNT. | DATE |
|------|---|---------|------|
| | <u>Botanical Notes.</u> | | |
| | To preserve plants from worms in Herbaria. | | |
| | "Use strong (95 P) alcohol. Put in common | | |
| | sublimate to saturation. Then dilute with | | |
| | about one $\frac{1}{8}$ more alcohol" A. Gray. | | |
| | Paper used in best English Herbaria | | |
| | $16\frac{1}{2} \times 10\frac{3}{4}$ inches. 78/10. a ream. | | |
| | $\frac{1}{2}$ lb. of refined or white glue to | | |
| | 3 qts water to size cloth for painting | | |
| | on it. | | |

AUGUST.

SEPTEMBER.

JULY—BILLS PAYABLE.

DATE.

NAME.

AMOUNT.

AUGUST.

SEPTEMBER.

OCTOBER—BILLS RECEIVABLE.

DATE.

NAME.

AMOUNT.

DATE

NOVEMBER.

DECEMBER.

OCTOBER—BILLS PAYABLE.

| DATE. | NAME. | AMOUNT. |
|-----------|-------|---------|
| NOVEMBER. | | |
| DECEMBER. | | |

MEMORANDA.

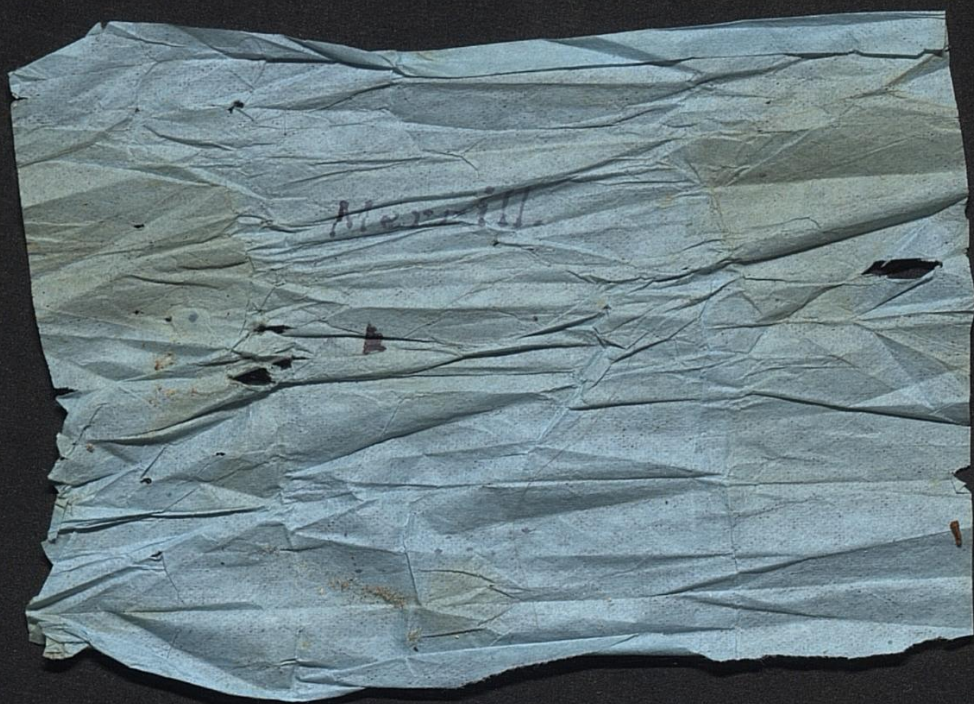
List of papers in Walter's box in
 Hartford Safety Deposit Vault.
 Papers relating to my loan in Ill.
 Receipt for silver watch -
 James' disposition of her things.
 Dismission from North Greenwich.
 Will -
 Copy of bill for services as Supt.
 Receipt & Small Papers -
 Bond of Ill. Mortgage -
 Subjects to be studied, or written on
 Stories for the Children - June 29. July 30.
 Dogs, July 30.
 "Imperance for Bills Payable" July 2 - June 30.
 "Hire Norway with Ladies" W. M. Williams.
 Eng. Part on the Lapps.
 "Women of the Arabs" H. H. Jessup.
 Grays, Darwiniana
 Wilson's Lands of the Bible Vol. 40.
 Notices of European Herbaria. Aug. 1840.
 Palissy the Potter - Morley's Life.
 Arab History, Arabs & the Turks. E. L. Clark
 Traveller's Sabbath.
 Harper for July 1877
 Papers -
 A winter's day, Alexandria to Cairo.
 Winter Sabbath in Corfu.

Subjects to be Studied
 See also our great work July 15
 The Anatomy of the Court
 Alligator & Crocodile. July 6
 Accasion - July 13. Accasion July 10 & 11 -
 Court July 9 also - Stills July 15 -

Hair from sons/wife

William P. Alcott
Diary

2009 MS132
Wade Hall
Collection



Lucy's Hair.

of the 1st



Lucy R. Davis
1863

William P. Alcott
Diary

2009MS132
Wade Hall
Collection

Alcott Farmhouse

William P. Alcott
Diary

2009MS132
Wade Hall
Collection

Valuable for associations.

Godthaab Greenland,
Aug 13 1860

Dear Mother and Sister.

All is well. I have had a delightful time so far. Capt R is going to sail this morning. I leave this with an English vessel so that if anything should happen you may know where we are. We are hindered greatly by the ice. The others are sending letters. We had little time to write without doing it yesterday (Sunday). Four Danish vessels, one Norwegian, one English and an English Steam Man of War with Capt McClintock as commander are here.

With much affection

William P. Alcott

Waburndale, March 28, 1859

Dear William -

It isn't time for us
to write again, I know - and we are
not apt to write very many extras!
I thought I would write tonight
a little - to tell you that Father
is not very well. He went to Marl-
boro' last week, and came home
Friday quite sick with a kind
of pleurisy. He is a little better
we hope, now. Dr Page has been
in several times - and thinks he
is getting along pretty well. You
must not be anxious about him;
we will write if he does not
continue to improve. But I think
he will get better slowly. Mother
thought I had better write you

might think it strange, if we
did not. I hope we shall
hear from you Saturday. - I
have not time to write more
Affectionately - Thine -
Mother sends much love.

Phoebe K. Heath.

RNOR:

AMATION

OF PUBLIC

AND PRAISE

Wilderness of Wandering-
Not desert of S. Id. generally-
Never fertile.
Probably more than now
More trees & shrubbery-
Arabs for centuries been cutting
for wood & charcoal-
Not like been done then.
Rain wd not run off so much.
If rain could be kept every
fertile
Eg. gardens of Carvunt.
W. of S. Id. & T. Id.

Herb. of S. Id. - *Acacia* (S. Id.)
amarisks - Shrubs - Grass, bushes.

Food of Arabs - Goats, Donkeys
Camels milk - Dates - Beans -
Sorghum (Sorghum or small corn) Barley &c.
Lentils

Map of Sinai.
1881

For use at Table No.

Shelf-No.

Borrower

Residence,

FOR HALL USE ONLY.

I desire the above book which I
promise to return at the Desk before
leaving this room.

It will assist in finding the book if you will
also give

Author,

Title, (Brief)

Put only one shelf-number on this slip.
No Library card is needed when this
slip is used.

The national dish of
the Ancient Romans
was a sort of porridge
or hasty pudding made
of Garba, i.e. the flour
of Gar, a coarse species of
wheat, the Pretium
Spelta of Columbo - first
grain cultivated in Italy.
Cerebral food was little
used except on
holidays.

GOD'S LOVE.

Herein is Love; not that we loved God, but that He loved us, and sent His Son to be the propitiation for our sins.—
1 John iv. 10.

L. L. B. I miss him—
Have had a good day
And lived out doors
It is now nine and
Many hasn't got home
from meeting yet— I
must go to bed—

Pleasant dreams and
a good night's rest—
And kiss you for ever—
P. S. I hope you won't feel
Mondayish tomorrow!

get into my bed &
put "thumb on back"

Sweet sleep & dreams
tonight. Your loving
Footy -

Burn this -

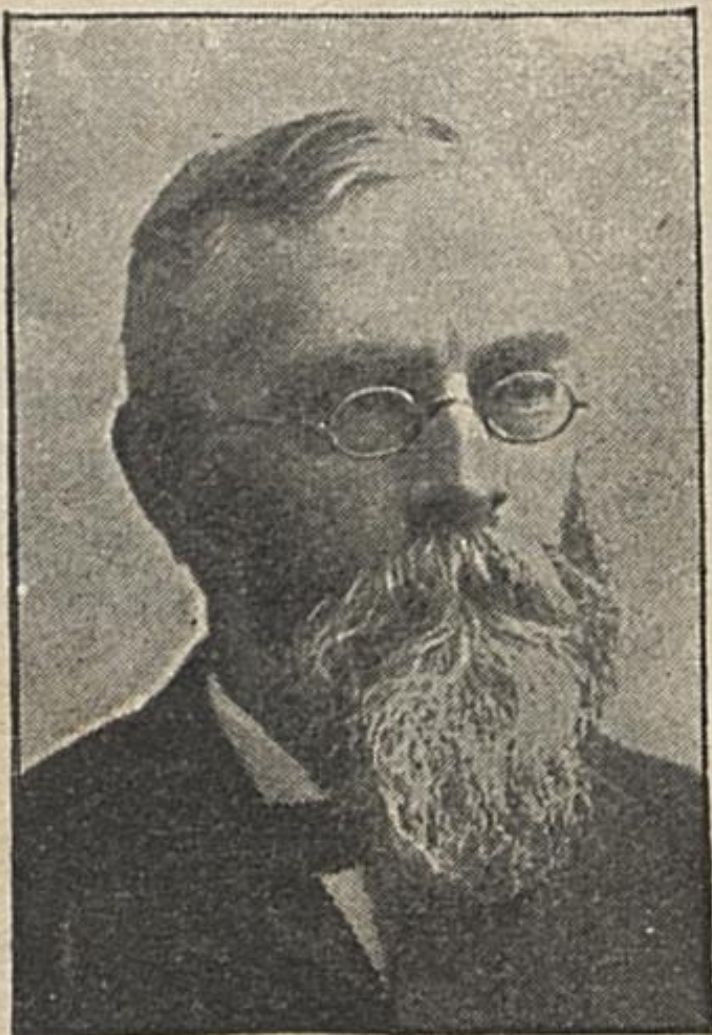
(May, 1885)

GOD'S CARE.

Behold the fowls of the air; for they sow not, neither do they reap, nor gather into barns; yet your Heavenly Father feedeth them. Are ye not much better than they?—*Matt. vi. 26.*

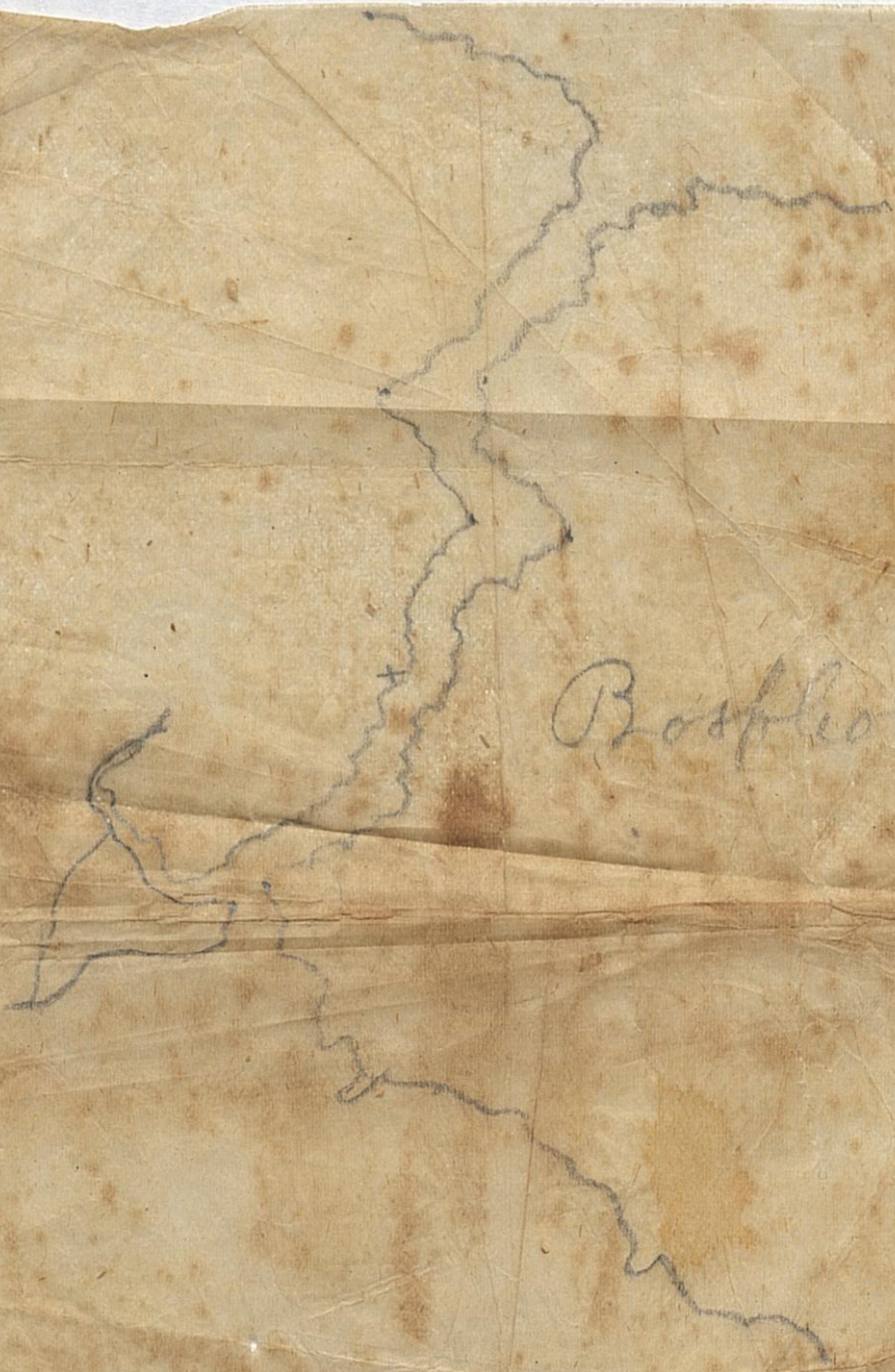
Dear Billy - Its half
past eight & I'm going
to bed - Had a pleasant
day - I. L. B.

Love nevering you shall



HON. SELAH MERRILL, LL.D.

Bosphorus



MEMORANDA.

J. S. Barnes, 27 E. 14th St. N. Y. Florist, Palms &c.
Discipline at Barton Landing.

G. E. Cassino Naturalists Agency Salem.

Bot. paper 17 or 18 lbs to ream. ^{Pretty, large} 11 1/2 x 16 1/2 inches.

^{Engl. dish #10. a ream too much. Gray pays.}
Dr. Henry W. Williams, 15 Arlington St. Boston

Frank J. ~~Lord~~ ^{Colg.} Williamstown, Mass.

Justin Ford, Hudson Grocery, Springfield, 473 Main

Wm. S. Smith, Amherst, N. Y.

"Advance" 245 Broadway, New York

"Independent" P.O. Box 2787, N. Y.

"The Witness" 7 ^{Knickerbocker} ~~Springer~~ St. New York.

Gadsby's Wanderings in Egypt.

Lancaster Egyptians "Below modern Egypt." Lansing.

Mitchell's History of Egypt.

Ramble of a Naturalist in Egypt &c. J. L. Gurney.

Flora Palestina Strauch.

Flore des Alpes Maritimes - H. Ardenne, Menton.

Flora Rodwell? of London.

35 yrs. in the E. Herbigberger (Botany).

Wild flowers of Holy Land, Sieber & Co London.

Jas. Bidell Bowdon near Manchester Eng. - Minister.

Rev. Gilbert Johnston Parish of Shettleston, Scotland.

Mohammed Alawah, Dragonian of Luxor.

M. W. Shapira, Bookeller Jerusalem.

Labillardiere, Plants of Palestine.

Delit Flore d'Egypte.

Flora Atlantica.

Flora Graeca, Sibthorp, & Walpole's Memoirs of Turkey.

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