

DIARY
1870

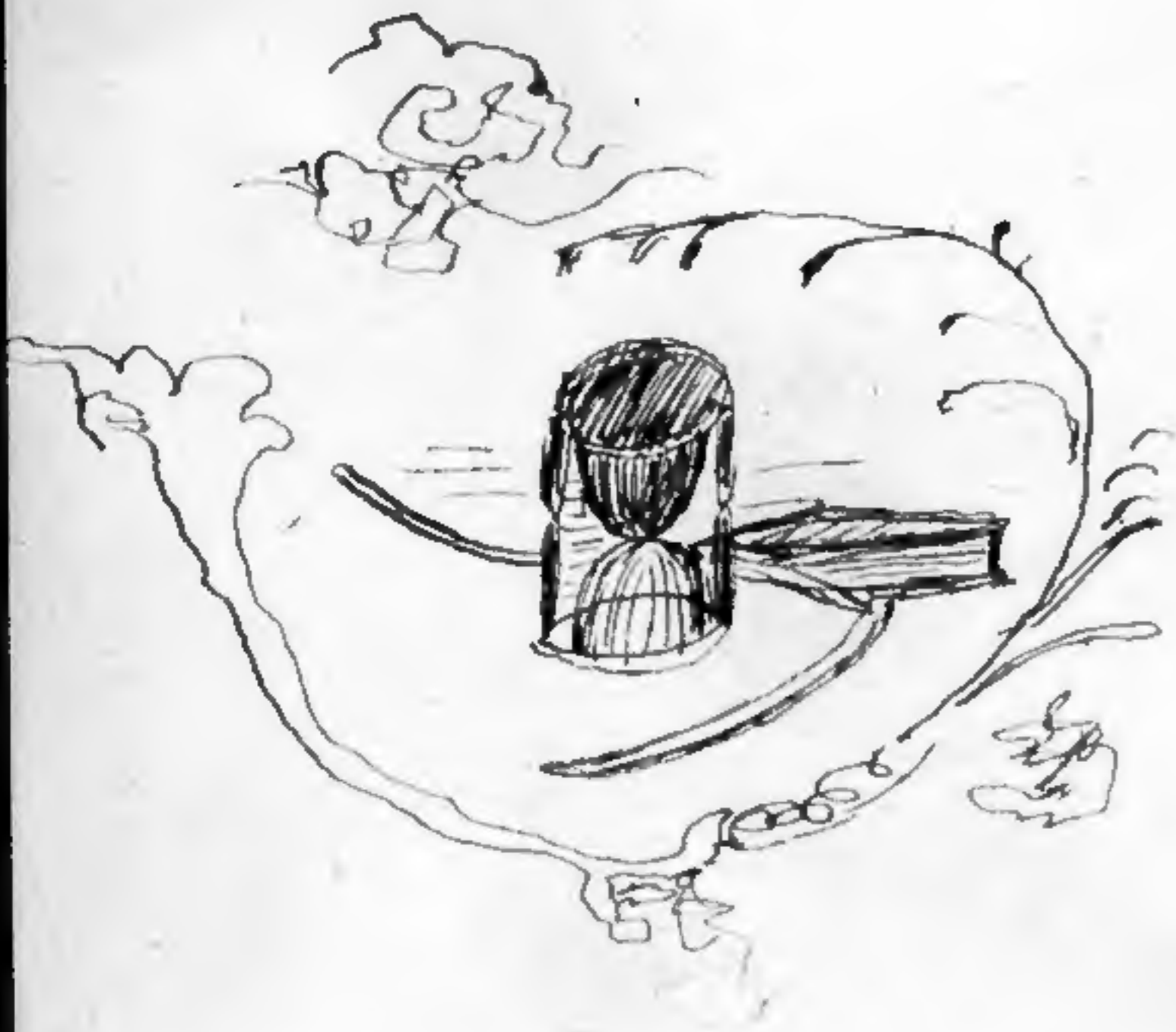
SB 97.41.1 (6)

Am/ Brewster

Jan 1st

1870

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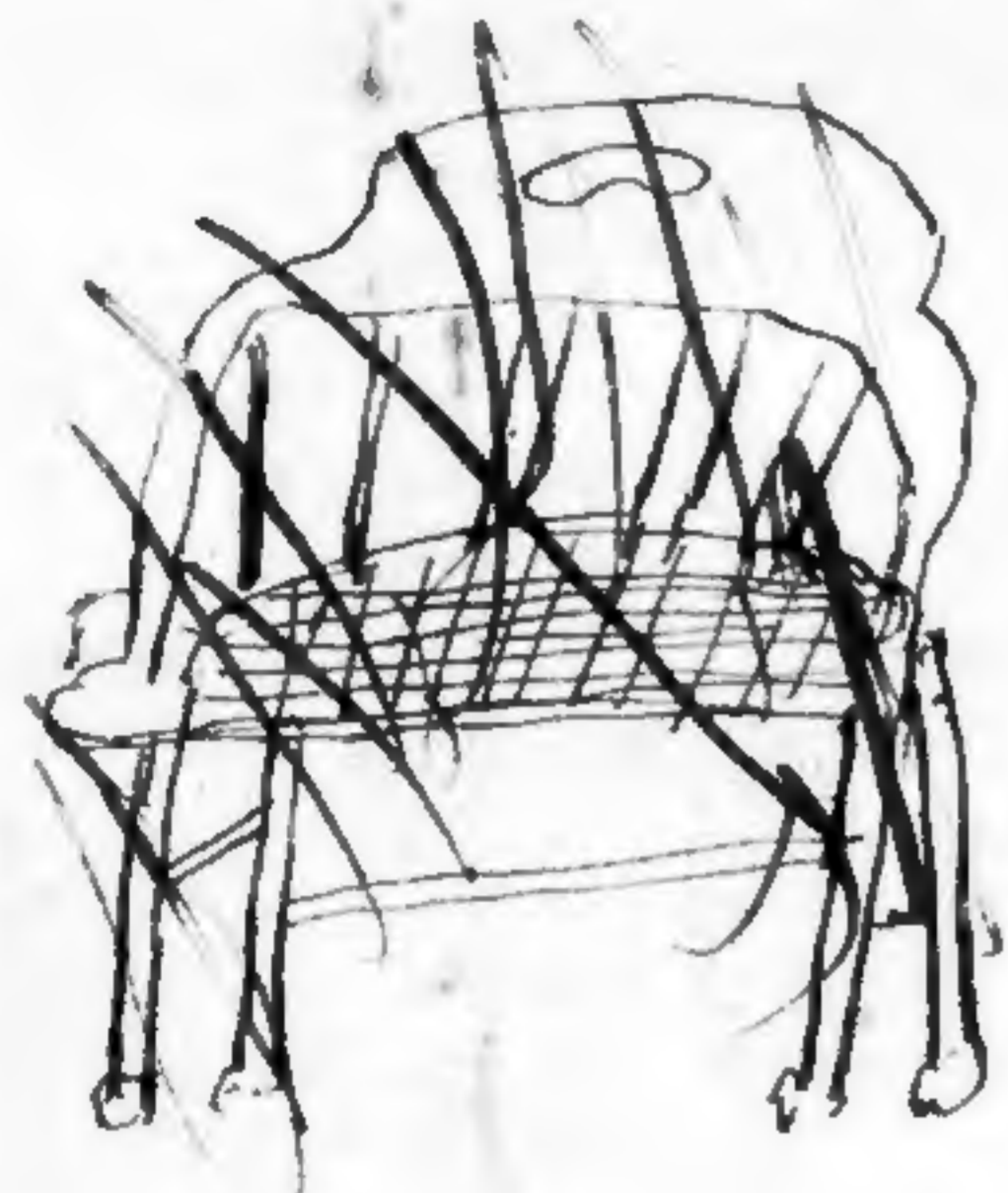
Binary
FOR
1870

PUBLISHED ANNUALLY
FOR THE **Grades**

The right page features a large, ornate decorative frame. At the top, a circular vignette shows a landscape with a tree and hills. The central text reads "Binary FOR 1870" in a stylized, gothic font. Below the text is another circular vignette showing an hourglass and an open book. At the bottom, the text "PUBLISHED ANNUALLY FOR THE Grades" is written in a decorative, cursive font.

Calendar

1870.



JANUARY.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
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30	31

JULY.

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31

FEBRUARY.

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AUGUST.

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MARCH.

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SEPTEMBER.

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APRIL.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
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OCTOBER.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
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MAY.

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NOVEMBER.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
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JUNE.

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DECEMBER.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
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DIFFERENCE OF TIME.

The annexed table exhibits the Difference of Time between that of Boston, and the places therein named:

SLOW OF BOSTON.			FAST OF BOSTON.		
	H	M S		H	M S
Albany, N. Y.....	10	44	Augusta, Me.....	4	54
Augusta, Ga.....	43	22	Bangor, Me.....	0	6
Baltimore, Md.....	22	12	Berlin, Prus.....	5	37 49
Buffalo, N. Y.....	31	23	Charlottet'n, P.E.I.	31	20
Cairo, Ill.....	1	10 0	Constantinople.....	6	40 30
Chicago, Ill.....	1	5 48	Dover, N. H.....		33
Charleston, S. C....	35	28	Dublin.....	4	13 52
Cincinnati, O.....	53	34	Eastport, Me.....	13	30
Cleveland, O.....	42	0	Edinburgh.....	4	34 30
Detroit, Mich.....	47	56	Fredericton, N. B...	17	14
Galveston, Tex.....	1	34 52	Geneva.....	5	8 50
Indianapolis, Ind...1	0	6	Gibraltar.....	4	22 50
Louisville, Ky.....	57	46	Gloucester, Mass...	1	35
Memphis, Tenn....1	17	0	Greenwich, Eng....4	44	14
Milwaukee, Wis....1	7	34	Halifax, N. S.....	29	47
Montreal, C. E....	10	6	Hamburg, Ger.....5	24	8
Mobile, Ala.....	1	8 0	Hallowell, Me.....	4	54
New York, N. Y....	11	50	Hull, Mass.....		24
New Orleans, La....1	16	0	London, Eng.....4	43	50
Newport, R. I.....	1	0	Liverpool, Eng....4	32	13
Niagara Falls, N. Y.	32	0	Lynn, Mass.....		32
Norfolk, Va.....	21	1	Nantucket, Mass...3	52	
Philadelphia, Pa....	16	25	New Bedford, Mass..		32
Pikes Peak.....	2	16 0	Newburyport, Mass.		46
Providence, R. I....	1	25	Paris, France.....4	53	35
Richmond, Va.....	25	35	Portland, Me.....	3	16
San Francisco, Cal..3	25	31	Portsmouth, N. H..	1	11
Savannah, Ga.....	40	18	Provincetown, Mass.	4	2
Springfield, Mass...	6	30	Rome, Italy.....5	34	8
St. Louis, Mo.....	1	16 46	Salem, Mass.....		40
St. Paul, Min.....	1	28 5	St. Johns, N. F....1	12	30
Tallahassee, Fla....	54	10	St. Petersburg.....	6	45 28
Washington, D. C..	24	7	Stockholm, Sw'n...5	46	28
Worcester, Mass....	3	0	Vienna, Austria....5	49	46

DIFFERENCE OF TIME—NEW YORK.

When it is 12 o'clock, noon, at NEW YORK CITY, it will be morning at all places *west* of New York, and afternoon at all places *east*, as shown in the following table:

WEST OF NEW YORK.			WEST OF NEW YORK.		
	H	M S		H	M S
Auburn, N. Y.....	11	50 12	St. Paul, Min.....	10	43 45
Augusta, Ga.....	11	28 28	San Francisco, Cal.	8	46 19
Baltimore, Md.....	11	49 38	Savannah, Ga.....	11	31 32
Buffalo, N. Y.....	11	40 24	Springfield, Ill....	10	57 52
Charleston, S. C....	11	36 22	Tallahassee, Fla....	11	17 40
Chicago, Ill.....	11	6 2	Toronto, C. W....	11	38 38
Cincinnati, O.....	11	18 16	Trenton, N. J.....	11	57 28
Columbus, O.....	11	23 52	Utica, N. Y.....	11	55 12
Dayton, O.....	11	19 20	Washington, D. C..	11	47 53
Detroit, Mich.....	11	23 54	Wilmington, Del...11	54	12
Geneva, N. Y.....	11	47 53	Yorktown, Va.....	11	49 48
Harrisburg, Pa....	11	48 44			
Honolulu, S. I....	6	24 8	EAST OF NEW YORK.		
Indianapolis, Ind..11	11	44	Albany, N. Y.....	0	1 6
Jefferson, Mo....	10	47 32	Augusta, Me.....	0	16 44
Key West, Fla....	11	28 54	Bangor, Me.....	0	26 56
Knoxville, Tenn...11	20	28	Berlin, Prus.....	5	49 39
Little Rock, Ark...10	47	16	Boston, Mass.....	0	11 50
Louisville, Ky....	11	14 4	Constantinople....	6	52 0
Milledgeville, Ga...11	22	45	Dublin, Irel'd....	4	30 42
Milwaukee, Wis...11	4	16	Edinburgh.....	4	43 21
Mobile, Ala.....	11	0 2	Fredericton, N. B..	0	29 4
Monterey, Cal....	8	48 35	Halifax, N. S.....	0	41 38
Nashville, Tenn...11	8	48	Hamburg, Ger....	5	35 58
Natchez, Miss....	10	50 26	Hartford, Ct.....	0	5 21
Newark, N. J.....	11	59 24	London, Eng.....	4	55 41
Newbern, N. C....	11	47 44	Lowell, Mass.....	0	10 48
New Orleans, La...10	56	4	Middletown, Ct....	0	5 28
Norfolk, Va.....	11	50 49	Montreal, C. E....	0	1 44
Petersburg, Va....	11	46 44	New Haven, Ct....	0	4 23
Philadelphia, Pa...11	55	25	Paris, France.....	5	5 26
Pittsburg, Pa....	11	35 56	Portland, Me.....	0	15 10
Raleigh, N. C.....	11	40 52	Providence, R. I...0	10	25
Richmond, Va....	11	46 15	Quebec, C. E.....	0	11 0
Rochester, N. Y...11	44	40	Rome, Italy.....	5	45 59
Sacramento, Cal...8	56	4	St. Petersburg....	6	57 18
St. Augustine, Fla.11	29	44	Stockholm, Sw'n..	6	8 18
St. Louis, Mo.....	10	55 4	Vienna, Austria...6	1	37

RATES OF POSTAGE.

LETTERS TO ANY PART OF THE UNITED STATES, 3 cents for each 1-2 ounce or part thereof.

DROP LETTERS, 2 cents per each 1-2 ounce.

ADVERTISED LETTERS, 1 cent, in addition to the regular rates.

VALUABLE LETTERS may be registered on application at the office of mailing, and the payment of a registration fee not exceeding 20 cents.

TRANSIENT NEWSPAPERS, Periodicals, Pamphlets, Blanks, Proof Sheets, Book Manuscripts, and all mailable printed matter, (except circulars and books,) 2 cents for each and every 4 ounces. Double these rates are charged for Books.

UNSEALED CIRCULARS, (to one address) not exceeding 3 in number, 2 cents, and in the same proportion for a greater number.

SEEDS, CUTTINGS, ROOTS, &c., 2 cents for each 4 ounces or less quantity.

ALL PACKAGES of Mail Matter not charged with letter postage must be so arranged that the same can be conveniently examined by Postmasters; if not, letter postage will be charged.

NO PACKAGE will be forwarded by mail which weighs over 4 pounds.

ALL POSTAGE MATTER, for delivery within the United States, must be PREPAID by stamps, except duly certified letters of soldiers and sailors.

WEEKLY NEWSPAPERS (one copy only) sent to actual Subscribers within the County where printed and published, free.

LETTERS TO CANADA and other British North American Provinces, when not over 3000 miles, 6 cents for each 1-2 ounce, if prepaid; if not prepaid, 10 cents. When over 3000 miles, 10 cents. To Newfoundland, 10 cents; over 3000 miles, 15 cents. Prepayment required.

LETTERS TO GREAT BRITAIN OR IRELAND, 12 cents. Prepayment optional.

LETTERS TO FRANCE, 15 cents for each 1-4 ounce. Prepayment optional.

LETTERS TO OTHER FOREIGN COUNTRIES vary in rate according to the route by which they are sent, and the proper information can be obtained of any Postmaster in the United States.

MONEY ORDERS.

MONEY ORDER POST OFFICES are established in most of the large cities and towns, at which orders can be obtained upon any other office, at the following rates of commission:

On orders not exceeding \$20	10 cents.
Over \$20 and not exceeding \$30	15 "
Over \$30 " " \$40	20 "
Over \$40 " " \$50	25 "

No single order issued for less than one dollar nor more than fifty dollars. Parties desiring to remit larger sums must obtain additional money orders.

A COMPLETE

Table of Stamp Duties,

AS APPROVED MARCH 26, 1867.

AGREEMENT, or CONTRACT, not otherwise specified; any appraisement of value or damage, or for other purpose; for each agreement, or for each sheet of each agreement, &c., or renewal of same, \$0. 05

ASSIGNMENT.— See conveyance.

BANK CHECK, DRAFT, or ORDER for the payment of any sum of money drawn upon any bank, banker, or trust company, or for any sum exceeding \$10, drawn upon any other person, companies, or corporations, at sight or on demand..... .02

BILL OF EXCHANGE, (*Inland*,) DRAFT, or ORDER, for the payment of money, not at sight or on demand, or any PROMISSORY NOTE, (except bank notes issued for circulation, and checks made and intended to be forthwith presented, and which shall be presented to a bank or banker for payment,) or any memorandum, check, receipt, or other written or printed evidence of money to be paid on demand, or at a time designated, for every \$100 or part thereof..... .05

BILL OF EXCHANGE, (*Foreign*,) or LETTERS OF CREDIT, drawn in but payable out of the United States:

If drawn singly or in duplicate, same as *Inland* bills of Exchange.

If drawn in sets of three or more, every bill of each set, for every \$100, or the equivalent thereof, in any foreign currency in which the bill is expressed..... .02

BILL OF LADING, or RECEIPT, (other than charter party,) for any goods &c., exported to a foreign port..... .10

UNITED STATES STAMP DUTIES.

BILL OF SALE OF VESSEL, or any part thereof, consideration of value not over \$500	50
Every add'l \$500, or part thereof, 50 cents more.	
BOND OF INDEMNITY, every \$1,000, or part thereof..	.50
BOND, for the execution of the duties of any office..	1.00
BOND, other than required in legal proceedings, or used in connection with mortgage deeds, and not otherwise charged.....	.25
CERTIFICATE OF STOCK, in incorporated company....	.25
CERTIFICATE OF PROFITS, or any certificate or memorandum showing an interest in the property or accumulations of any incorporated company, if for \$10 and not over \$50.....	.10
Over \$50 and not over \$1,000 .....	.25
Every add'l \$1,000, or part thereof, 25 cents more.	
CERTIFICATE OF DAMAGE, or otherwise, and all other certificates or documents issued by any port warden, marine surveyor, or person acting as such.....	.25
CERTIFICATE OF DEPOSIT, \$100 or less.....	.02
Over \$100.....	.05
(Certificates of measurement or weight of animals, wood, coal, or hay; certificate of the record of a deed or other instrument in writing, or of the acknowledgment or proof thereof, by attesting witnesses, require no stamp.)	
CERTIFICATE, of any other description.....	.05
CHARTER PARTY, (or renewal &c. of same,) contract or agreement for charter of vessel or steamer of registered tonnage, not over 150 tons.....	1.00
Over 150 and not over 300 tons.....	3.00
Over 300 and not over 600 tons.....	5.00
Over 600 tons.....	10.00
CONTRACT, or renewal, Broker's note, or memorandum of sale of merchandise, exchange, real estate, or other property issued by brokers, or persons acting as such, each.....	.10
CONVEYANCE.—Deed or writing, whereby any lands, tenements, or other realty sold is granted, assigned, or transferred, for every \$500, or part thereof.....	.50

UNITED STATES STAMP DUTIES.


ENTRY OF GOODS, &c., at any custom house, for consumption or warehousing, of value not over \$100 .....	.25
Over \$100 and not over \$500 .....	.50
Over 500.....	1.00
WITHDRAWAL from bonded warehouse.....	.50
INSURANCE (<i>Life</i>).—Policy, (or assignment, &c. of same,) not over \$1,000.....	.25
Over \$1,000 and not over \$5000.....	.50
Over 5,000.....	1.00
INSURANCE, (<i>Marine, Inland, and Fire</i>).—Each policy or renewal, (or assignment, &c. of same,) on which premium is \$10 or less.....	.10
Over \$10 and not over \$50.....	.25
Over 50.....	.50
INSURANCE against accidental injury to persons, exempt.....	
LEASE, agreement, memorandum, or contract, for the hire, use, or rent of any land, tenement, or portion thereof, when rent or rental value is not over \$300 per annum.....	.50
Every add'l \$200, or part thereof, 50 cents more.	
LEASE, ASSIGNMENT OF.—A stamp duty equal to that imposed on the original instrument, increased by a stamp duty on the consideration or value of the assignment equal to that imposed upon the conveyance of land for similar consideration or value. (See Conveyance)	
MANIFEST, for custom house entry or clearance of vessel's cargo for foreign port, (except to British North America,) tonnage not over 300 tons.....	1.00
Over 300 and not over 600 tons.....	3.00
Over 600 tons.....	5.00
MORTGAGE, Trust Deed, or Personal Bond, for the payment of money, over \$100 and not over \$500 .....	.50
Every add'l \$500, or part thereof, 50 cents more.	
Upon each assignment or transfer of a mortgage, a stamp duty equal to that upon a mortgage for the amount remaining unpaid.	
TRUST DEED conveying estate to uses, to be stamped as a conveyance.	

UNITED STATES STAMP DUTIES.

OFFICIAL INSTRUMENTS, documents and papers issued by the officers of the United States government, or by the officers of any State, county or town, require no stamp.	
Affidavits in suits or legal proceedings, exempt.	
ORDER for the payment of money.— See Bank Check.	
PASSAGE TICKET, to foreign port, (except British North America,) costing \$35 or less.....	.50
Over \$35 and not over \$50.....	1.00
Every add'l \$50, or part thereof, \$1 more.	
POWER OF ATTORNEY, to sell or transfer any stock, bond, or scrip, or for the collection of any dividend, or interest thereon .....	.25
To vote by proxy for officers of any corporation or society, (except religious, charitable, literary societies, or public cemeteries,).....	.10
To sell or rent real estate.....	1.00
To collect rents.....	.25
To perform any act not herein mentioned.....	.50
PROBATE OF WILL, or LETTERS OF ADMINISTRATION, value of estate not over \$2,000.....	1.00
Every add'l \$1,000, or part thereof, 50 cents more. (Probate of will, letters testamentary or of administration, or administrator's or guardian's bonds, when the value of the estate, real and personal, does not exceed \$1,000, require no stamp.)	
PROMISSORY NOTE.—See Bill of Exchange, Inland	
PROTEST of note, bill of exchange, acceptance, check or draft, or any marine protest, whether protested by a notary public or by any other officer who may be authorized by law to make such protest,	.25
RECEIPTS for any sum of money, or for the payment of any debt exceeding \$20 in amount, not being for the satisfaction of any mortgage or judgment or decree of any court, or by indorsement on any stamped obligation in acknowledgment of its fulfilment .....	.02
WAREHOUSE RECEIPT, exempt.	
—	
CANNED MEATS, &c., for and upon every can, bottle or other single package, containing meats, fruits, vegetables, sauces, sirups, prepared mustard, jams or jellies, not exceeding 2 lbs. in weight...	.01
Every additn'l pound or part thereof, 1 cent more.	

UNITED STATES STAMP DUTIES.

PROPRIETARY, Medicines, Perfumery, Cosmetics, Preparations, &c., each package retailed at not over 25 cents .....	.01
Over 25 cents and not over 50 cents .....	.02
Over 50 cents and not over 75 cents .....	.03
Over 75 cents and not over \$1.....	.04
Every add'l 50 cents, or part thereof, 2 cents more.	
FRICTION MATCHES, or lucifer matches, or other articles made in part of wood, and used for like purposes, each package of 100 matches or part thereof.....	.02
Packages of more than 100 matches, for each 100 or part thereof.....	.01
CIGAR LIGHTS, made in part of wood, wax, glass, paper, or other materials, in packages containing twenty-five lights or less, each package.....	.01
Every additional twenty-five lights or part thereof, 1 cent more.	
PLAYING CARDS, for and upon every pack, not exceeding fifty-two cards in number, irrespective of price or value.....	.05

 The indiscriminate use of all kinds of stamps (except postage or proprietary) is permitted, care being taken to affix a stamp or stamps of the proper amount.

Documents made in any foreign country, to be used in the United States, shall pay the same duty as when made here.

Powers of Attorney, or other papers relating to applications for bounties, arrearages or pay, or pensions, require no stamp; neither do indorsement of negotiable instrument, nor any warrant of attorney accompanying a bond or note when such bond or note shall be stamped; and whenever any bond or note shall be secured by mortgage, but one stamp duty is required, provided the stamp duty placed thereon is the highest rate required for said instrument, or either of them.

The person using or affixing the stamp or stamps, shall write thereupon the initials of his name and the date upon which the same shall be attached or used, so that the same shall not be used again, under a penalty of \$50; or they may be otherwise canceled as the Commissioner of Internal Revenue may prescribe.

Violations of these Stamp Duties will be punished as the law directs.

ECLIPSES IN 1870.

IN the year 1870 there will be six Eclipses; four of the Sun, and two of the Moon.

I.—A TOTAL ECLIPSE OF THE MOON, January 17th, visible more or less to the continents of the globe, except to South America. Partially visible to the following places at the times given:

PHASES.	NEW YORK.		BOSTON.		CHICAGO.	
	d	h m	d	h m	d	h m
Moon enters Penumbra	17	7 0 M.	17	7 12 M.	17	6 6 M.
Moon enters Shadow...	after setting.		after setting.		17 7 7 M.	

II.—A PARTIAL ECLIPSE OF THE SUN, January 31st, visible to the South Polar Regions.

III.—A PARTIAL ECLIPSE OF THE SUN, June 20th, visible to the South Pacific Ocean.

IV.—A TOTAL ECLIPSE OF THE MOON, July 12th. The last contact with Penumbra will be visible, as the moon rises in the evening, to places of the United States as far west as the Mississippi River. This eclipse will be visible to the world generally, except to northwestern North America.

V.—A PARTIAL ECLIPSE OF THE SUN, July 28th. A very small and unimportant eclipse, visible to Kamschatka.

VI.—A TOTAL ECLIPSE OF THE SUN, December 22d, visible to Europe and the northern half of Africa.

Morning and Evening Stars.

VENUS will be *Evening Star* until February 23d, then *Morning Star* till December 8th, and *Evening Star* again the rest of the year.

JUPITER will be *Evening Star* until May 24th, then *Morning Star* till December 13th, and *Evening Star* again the rest of the year.

FASTS AND FEASTS FOR 1870.

Septuagesima Sunday, Feb. 13	Low Sunday.....April 24
Shrove Sunday..... " 27	Rogation Sunday.....May 22
Ash Wednesday.....Mar. 2	Ascension Day..... " 26
First Sunday in Lent, " 6	WHIT SUNDAY.....June 5
Palm Sunday.....April 10	Trinity Sunday..... " 12
Good Friday..... " 15	First Sund. in Advent, Nov. 27
EASTER SUNDAY.... " 17	CHRISTMAS DAY.....Dec. 25

Chronological Cycles, 1870.

Dominical Letter..... B.	Solar Cycle..... 3
Epact..... 28	Roman Indiction..... 13
Lunar Cycle or Golden No. 9	Julian Period..... 6,583



MOON'S PHASES.		Boston.				New York.				
	Day.	h	m		h	m		h	m	
NEW MOON.....	1	7	21	P. M.	7	9	P. M.			
FIRST Q'RTER.....	9	4	18	P. M.	4	6	P. M.			
FULL MOON.....	17	10	1	A. M.	9	49	A. M.			
LAST Q'RTER.....	24	5	39	A. M.	5	27	A. M.			
NEW MOON.....	31	10	56	A. M.	10	44	A. M.			

Day of M th	Day of Week	Boston,						N. York.							
		Sun Rises.		Sun Sets.		Moon R & S		High Tide.		High Tide.					
		h	m	h	m	h	m	Morning.	Evening.	h	m				
1	SA.	7	30	4	39	SETS	11	2	11	27	7	47	8	12	
2	S	7	30	4	39	5	32	11	51	.....		8	36	8	59
3	MO.	7	30	4	40	6	35	0	14	0	35	9	20	9	44
4	TU.	7	30	4	41	7	37	0	59	1	21	10	6	10	28
5	WE.	7	30	4	42	8	38	1	43	2	5	10	50	11	11
6	TH.	7	30	4	43	9	38	2	26	2	46	11	31	11	52
7	FR.	7	30	4	44	10	37	3	7	3	28	.....		0	13
8	SA.	7	29	4	45	11	36	3	49	4	11	0	34	0	56
9	S	7	29	4	46	MORN		4	33	4	56	1	18	1	41
10	MO.	7	29	4	47	0	34	5	20	5	44	2	5	2	29
11	TU.	7	29	4	48	1	32	6	10	6	36	2	55	3	21
12	WE.	7	28	4	49	2	31	7	3	7	31	3	48	4	16
13	TH.	7	28	4	50	3	32	7	58	8	25	4	43	5	10
14	FR.	7	27	4	52	4	33	8	52	9	19	5	37	6	4
15	SA.	7	27	4	53	5	34	9	45	10	12	6	30	6	57
16	S	7	27	4	54	6	32	10	38	11	3	7	23	7	48
17	MO.	7	26	4	55	RISES		11	28	11	52	8	13	8	37
18	TU.	7	25	4	56	6	19	.....		0	15	9	0	9	24
19	WE.	7	25	4	58	7	30	0	39	1	3	9	48	10	12
20	TH.	7	24	4	59	8	42	1	27	1	51	10	36	11	0
21	FR.	7	24	5	0	9	54	2	15	2	38	11	23	11	47
22	SA.	7	23	5	1	11	3	3	2	3	26	.....		0	11
23	S	7	22	5	3	MORN		3	51	4	18	0	36	1	3
24	MO.	7	21	5	4	0	16	4	46	5	15	1	31	2	0
25	TU.	7	21	5	5	1	26	5	46	6	18	2	31	3	3
26	WE.	7	20	5	6	2	36	6	50	7	22	3	35	4	7
27	TH.	7	19	5	8	3	44	7	54	8	26	4	39	5	11
28	FR.	7	18	5	9	4	47	8	56	9	25	5	41	6	10
29	SA.	7	17	5	10	5	44	9	53	10	20	6	38	7	5
30	S	7	16	5	12	SETS		10	45	11	9	7	30	7	54
31	MO.	7	15	5	13	5	21	11	31	11	53	8	16	8	38



MOON'S PHASES.		Boston.		New York.	
	Day.	h	m	h	m
FIRST Q'RTER..	8	1	35 P.M.	1	23 P.M.
FULL MOON....	15	10	44 P.M.	10	32 P.M.
LAST Q'RTER..	22	2	2 P.M.	1	50 P.M.

Day of M th	Day of Week	Boston.						N. York.							
		Sun		Moon	High Tide.		High Tide.		High Tide.		High Tide.				
		Rises.	Sets.	R & S	Morning.	Evening.	Morning.	Evening.	Morning.	Evening.	Morning.	Evening.			
h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m
1	TU.	7	14	5	14	6	23	.....	0	14	8	59	9	19	
2	WE.	7	13	5	16	7	24	0	34	0	54	9	39	9	59
3	TH.	7	12	5	17	8	24	1	14	1	34	10	19	10	38
4	FR.	7	11	5	18	9	23	1	53	2	12	10	57	11	16
5	SA.	7	10	5	19	10	22	2	31	2	49	11	34	11	53
6	S	7	8	5	21	11	20	3	8	3	28	.....	0	13	
7	MO.	7	7	5	22	MORN		3	49	4	10	0	34	0	55
8	TU.	7	6	5	23	0	18	4	33	4	58	1	18	1	43
9	WE.	7	5	5	25	1	17	5	24	5	51	2	9	2	36
10	TH.	7	4	5	26	2	18	6	19	6	49	3	4	3	34
11	FR.	7	2	5	27	3	18	7	19	7	50	4	4	4	35
12	SA.	7	1	5	29	4	16	8	20	8	50	5	5	5	35
13	S	6	59	5	30	5	11	9	19	9	47	6	4	6	32
14	MO.	6	58	5	31	6	2	10	15	10	42	7	0	7	27
15	TU.	6	57	5	32	RISES		11	9	11	34	7	54	8	19
16	WE.	6	56	5	34	6	22	11	57	.....		8	42	9	5
17	TH.	6	54	5	35	7	36	0	20	0	43	9	28	9	51
18	FR.	6	53	5	36	8	50	1	6	1	30	10	15	10	38
19	SA.	6	51	5	37	10	4	1	53	2	17	11	2	11	25
20	S	6	50	5	39	11	17	2	40	3	4	11	49	.....
21	MO.	6	48	5	40	MORN		3	29	3	56	0	14	0	41
22	TU.	6	47	5	41	0	28	4	24	4	53	1	9	1	38
23	WE.	6	45	5	43	1	37	5	25	5	59	2	10	2	44
24	TH.	6	44	5	44	2	42	6	33	7	6	3	18	3	51
25	FR.	6	42	5	45	3	41	7	38	8	9	4	23	4	54
26	SA.	6	41	5	46	4	33	8	40	9	9	5	25	5	54
27	S	6	39	5	47	5	18	9	36	10	2	6	21	6	47
28	MO.	6	38	5	49	5	57	10	25	10	49	7	11	7	34
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MOON'S PHASES.		Boston.		New York.	
	Day.	h	m	h	m
NEW MOON.....	-	5	5	A. M.	8 41 A. M.
FIRST Q'RTER.....	10	8	27	A. M.	8 15 A. M.
FULL MOON.....	17	9	8	A. M.	8 56 A. M.
LAST Q'RTER.....	23	11	53	P. M.	11 41 P. M.
NEW MOON.....	31	9	4	P. M.	8 52 P. M.

Day of M th	Day of Week	Boston.						N. York.							
		Sun		Moon	High Tide.		High Tide.		High Tide.		High Tide.				
		Rises.	Sets.	R & S	Morning.	Evening.	Morning.	Evening.	Morning.	Evening.	Morning.	Evening.			
h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m
1	TU.	6	36	5	50	SETS	11	10	11	29	7	55	8	14	
2	WE.	6	34	5	51	6	14	11	48	.....		8	33	8	51
3	TH.	6	33	5	52	7	14	0	6	0	24	9	9	9	27
4	FR.	6	31	5	54	8	12	0	42	1	0	9	45	10	3
5	SA.	6	29	5	55	9	10	1	18	1	36	10	21	10	39
6	S	6	28	5	56	10	9	1	54	2	13	10	58	11	17
7	MO.	6	26	5	57	11	8	2	32	2	51	11	36	11	56
8	TU.	6	24	5	58	MORN		3	11	3	32	.....	0	17	
9	WE.	6	23	5	59	0	7	3	54	4	18	0	39	1	3
10	TH.	6	21	6	1	1	5	4	44	5	13	1	29	1	58
11	FR.	6	19	6	2	2	3	5	43	6	14	2	28	2	59
12	SA.	6	18	6	3	2	58	6	46	7	19	3	31	4	4
13	S	6	16	6	4	3	49	7	52	8	23	4	37	5	8
14	MO.	6	14	6	5	4	36	8	54	9	24	5	39	6	9
15	TU.	6	12	6	6	5	19	9	53	10	21	6	38	7	6
16	WE.	6	11	6	8	5	57	10	47	11	11	7	32	7	56
17	TH.	6	9	6	9	RISES		11	34	11	57	8	19	8	42
18	FR.	6	7	6	10	7	43	.....		0	20	9	5	9	28
19	SA.	6	6	6	11	8	59	0	43	1	7	9	52	10	15
20	S	6	4	6	12	10	14	1	30	1	54	10	39	11	4
21	MO.	6	2	6	13	11	26	2	19	2	44	11	29	11	55
22	TU.	6	0	6	14	MORN		3	10	3	37	.....	0	22	
23	WE.	5	59	6	15	0	34	4	6	4	36	0	51	1	21
24	TH.	5	57	6	16	1	36	5	8	5	41	1	53	2	26
25	FR.	5	55	6	18	2	31	6	14	6	47	2	59	3	32
26	SA.	5	53	6	19	3	19	7	19	7	50	4	4	4	35
27	S	5	52	6	20	4	0	8	19	8	47	5	4	5	32
28	MO.	5	50	6	21	4	34	9	12	9	36	5	57	6	21
29	TU.	5	48	6	22	5	4	9	58	10	19	6	43	7	4
30	WE.	5	46	6	23	5	31	10	39	10	59	7	24	7	44
31	TH.	5	45	6	24	5	56	11	17	11	35	8	2	8	20



MOON'S PHASES.		Boston.		New York.	
	Day.	h	m	h	m
FIRST Q'RTER..	8	11	41 P.M.	11	29 P.M.
FULL MOON....	15	5	42 P.M.	5	30 P.M.
LAST Q'RTER..	22	11	41 A.M.	11	29 A.M.
NEW MOON....	30	1	53 P.M.	1	41 P.M.

Day of M th	Day of Week	Boston.								N. York.					
		Sun Rises.		Sun Sets.		Moon R & S		High Tide.		High Tide.		High Tide.			
		h	m	h	m	h	m	Morning.	Evening.	Morning.	Evening.	Morning.	Evening.		
1	FR.	5	43	6	26	7	3	11	52	.....	8	37	8	54	
2	SA.	5	41	6	27	8	2	0	9	0	26	9	11	9	29
3	S	5	39	6	28	9	1	0	44	1	2	9	47	10	6
4	MO.	5	38	6	29	10	0	1	21	1	40	10	25	10	45
5	TU.	5	36	6	30	10	58	2	0	2	20	11	5	11	26
6	WE.	5	34	6	31	11	55	2	41	3	2	11	47	.....	.....
7	TH.	5	33	6	32	MORN	.....	3	25	3	50	0	10	0	35
8	FR.	5	31	6	33	0	51	4	16	4	45	1	1	1	30
9	SA.	5	29	6	34	1	43	5	15	5	46	2	0	2	31
10	S	5	28	6	36	2	30	6	19	6	53	3	4	3	38
11	MO.	5	26	6	37	3	12	7	26	7	58	4	11	4	43
12	TU.	5	24	6	38	3	50	8	29	8	58	5	14	5	43
13	WE.	5	23	6	39	4	25	9	26	9	54	6	11	6	39
14	TH.	5	21	6	40	4	58	10	21	10	46	7	6	7	31
15	FR.	5	19	6	41	RISES	.....	11	10	11	34	7	55	8	29
16	SA.	5	18	6	42	7	48	11	57	.....	.....	8	42	9	5
17	S	5	16	6	44	9	4	0	20	0	43	9	28	9	53
18	MO.	5	15	6	45	10	18	1	8	1	34	10	19	10	45
19	TU.	5	13	6	46	11	25	2	0	2	27	11	12	11	38
20	WE.	5	12	6	47	MORN	.....	2	53	3	20	.....	0	5	.....
21	TH.	5	10	6	48	0	26	3	48	4	18	0	33	1	3
22	FR.	5	8	6	49	1	18	4	48	5	19	1	33	2	4
23	SA.	5	7	6	50	2	1	5	50	6	21	2	35	3	6
24	S	5	5	6	51	2	38	6	51	7	20	3	36	4	5
25	MO.	5	4	6	52	3	8	7	48	8	14	4	33	4	59
26	TU.	5	2	6	53	3	35	8	38	9	1	5	23	5	46
27	WE.	5	1	6	54	4	0	9	23	9	45	6	8	6	30
28	TH.	5	0	6	56	4	25	10	5	10	25	6	50	7	10
29	FR.	4	58	6	57	4	50	10	44	11	2	7	29	7	37
30	SA.	4	57	6	58	5	15	11	20	11	38	8	5	8	23
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MOON'S PHASES.		Boston.		New York.	
	Day.	h	m	h	m
FIRST Q'RTER..	8	10	53 A.M.	10	41 A.M.
FULL MOON....	15	1	19 A.M.	1	7 A.M.
LAST Q'RTER..	22	1	25 A.M.	1	13 A.M.
NEW MOON....	30	5	13 A.M.	5	1 A.M.

Day of M th	Day of Week	Boston.								N. York.					
		Sun Rises.		Sun Sets.		Moon R & S		High Tide.		High Tide.		High Tide.			
		h	m	h	m	h	m	Morning.	Evening.	Morning.	Evening.	Morning.	Evening.		
1	S	4	55	6	59	7	53	11	56	.....	.....	8	41	8	59
2	MO.	4	54	7	0	8	53	0	14	0	33	9	18	9	38
3	TU.	4	53	7	1	9	51	0	53	1	13	9	58	10	19
4	WE.	4	51	7	2	10	47	1	34	1	56	10	41	11	3
5	TH.	4	50	7	3	11	39	2	18	2	41	11	26	11	49
6	FR.	4	49	7	5	MORN	.....	3	4	3	29	.....	0	14	.....
7	SA.	4	48	7	6	0	27	3	56	4	23	0	41	1	8
8	S	4	46	7	7	1	10	4	52	5	23	1	37	2	8
9	MO.	4	45	7	8	1	49	5	55	6	28	2	40	3	13
10	TU.	4	44	7	9	2	24	7	0	7	31	3	45	4	16
11	WE.	4	43	7	10	2	56	8	1	8	30	4	46	5	15
12	TH.	4	42	7	11	3	27	8	59	9	27	5	44	6	12
13	FR.	4	41	7	12	3	58	9	54	10	21	6	39	7	6
14	SA.	4	40	7	13	4	32	10	47	11	12	7	32	7	57
15	S	4	39	7	14	RISES	.....	11	36	.....	.....	8	21	8	45
16	MO.	4	38	7	15	9	6	0	0	0	25	9	10	9	35
17	TU.	4	37	7	16	10	12	0	50	1	16	10	1	10	27
18	WE.	4	36	7	17	11	9	1	42	2	9	10	54	11	20
19	TH.	4	35	7	18	11	58	2	35	3	2	11	47	.....	.....
20	FR.	4	34	7	19	MORN	.....	3	28	3	55	0	13	0	40
21	SA.	4	33	7	20	0	38	4	22	4	50	1	7	1	55
22	S	4	32	7	21	1	10	5	19	5	47	2	4	2	32
23	MO.	4	31	7	22	1	38	6	13	6	39	2	58	3	24
24	TU.	4	30	7	23	2	5	7	5	7	31	3	50	4	16
25	WE.	4	30	7	24	2	31	7	56	8	20	4	41	5	5
26	TH.	4	29	7	25	2	55	8	43	9	5	5	28	5	50
27	FR.	4	28	7	26	3	19	9	26	9	47	6	11	6	32
28	SA.	4	28	7	27	3	45	10	8	10	29	6	53	7	14
29	S	4	27	7	27	4	14	10	49	11	9	7	34	7	54
30	MO.	4	27	7	28	SETS.	.....	11	29	11	49	8	14	8	34
31	TU.	4	26	7	29	8	43	.....	0	9	.....	8	54	9	15



Moon's PHASES.

	Day.	Boston.		New York.	
		h	m	h	m
FIRST Q'RTER..	6	6	32 P.M.	6	20 P.M.
FULL MOON....	13	9	3 A.M.	8	51 A.M.
LAST Q'RTER..	20	4	50 P.M.	4	38 P.M.
NEW MOON....	28	6	49 P.M.	6	37 P.M.

Day of M th	Day of Week	Boston.						N. York.							
		Sun Rises.		Sun Sets.		Moon R & S		High Tide.		High Tide.					
		h	m	h	m	h	m	Morning.	Evening.	Morning.	Evening.				
1	WE.	4	26	7	30	9	37	0	30	0	52	9	37	10	0
2	TH.	4	25	7	31	10	27	1	15	1	37	10	22	10	45
3	FR.	4	25	7	31	11	12	2	0	2	24	11	9	11	33
4	SA.	4	24	7	32	11	51	2	48	3	13	11	58	.....	.....
5	S	4	24	7	33	MORN		3	38	4	4	0	23	0	49
6	MO.	4	24	7	33	0	25	4	31	5	0	1	16	1	45
7	TU.	4	23	7	34	0	57	5	30	6	0	2	15	2	45
8	WE.	4	23	7	35	1	28	6	30	7	1	3	15	3	46
9	TH.	4	23	7	35	1	58	7	32	8	2	4	17	4	47
10	FR.	4	23	7	36	2	29	8	32	9	1	5	17	5	46
11	SA.	4	22	7	36	3	3	9	30	9	58	6	15	6	43
12	S	4	22	7	37	3	42	10	26	10	53	7	11	7	38
13	MO.	4	22	7	37	RISES		11	20	11	45	8	5	8	30
14	TU.	4	22	7	38	8	43	.....	0	9		8	54	9	20
15	WE.	4	22	7	38	9	48	0	35	1	1	9	46	10	11
16	TH.	4	22	7	38	10	33	1	26	1	51	10	36	11	1
17	FR.	4	22	7	39	11	11	2	16	2	40	11	25	11	48
18	SA.	4	22	7	39	11	42	3	3	3	26	.....	.....	0	11
19	S	4	23	7	39	MORN		3	50	4	14	0	35	0	59
20	MO.	4	23	7	40	0	9	4	38	5	2	1	23	1	47
21	TU.	4	23	7	40	0	34	5	27	5	52	2	12	2	37
22	WE.	4	23	7	40	0	58	6	17	6	42	3	2	3	27
23	TH.	4	23	7	40	1	22	7	7	7	32	3	52	4	17
24	FR.	4	24	7	40	1	48	7	57	8	22	4	42	5	7
25	SA.	4	24	7	40	2	16	8	46	9	10	5	31	5	55
26	S	4	24	7	40	2	47	9	34	9	57	6	19	6	42
27	MO.	4	25	7	40	3	23	10	21	10	44	7	6	7	29
28	TU.	4	25	7	40	4	6	11	6	11	28	7	51	8	13
29	WE.	4	25	7	40	SETS		11	50	8	35	8	57
30	TH.	4	26	7	40	9	12	0	12	0	35	9	20	9	44
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Moon's PHASES.

	Day.	Boston.		New York.	
		h	m	h	m
FIRST Q'RTER..	5	11	46 P.M.	11	34 P.M.
FULL MOON....	12	5	51 P.M.	5	39 P.M.
LAST Q'RTER..	20	9	33 A.M.	9	21 A.M.
NEW MOON....	28	6	34 A.M.	6	22 A.M.

Day of M th	Day of Week	Boston.						N. York.							
		Sun Rises.		Sun Sets.		Moon R & S		High Tide.		High Tide.					
		h	m	h	m	h	m	Morning.	Evening.	Morning.	Evening.				
1	FR.	4	26	7	40	9	52	0	59	1	21	10	6	10	29
2	SA.	4	27	7	40	10	28	1	44	2	8	10	53	11	17
3	S	4	27	7	40	11	1	2	32	9	55	11	40	.....	.....
4	MO.	4	28	7	40	11	32	3	19	3	43	0	4	0	28
5	TU.	4	29	7	39	MORN		4	8	4	34	0	53	1	19
6	WE.	4	29	7	39	0	0	5	2	5	32	1	47	2	17
7	TH.	4	30	7	39	0	29	6	3	6	35	2	48	3	20
8	FR.	4	31	7	38	1	2	7	7	7	38	3	52	4	23
9	SA.	4	31	7	38	1	39	8	9	8	41	4	54	5	26
10	S	4	32	7	38	2	21	9	12	9	41	5	57	6	26
11	MO.	4	33	7	37	3	8	10	10	10	38	6	55	7	23
12	TU.	4	33	7	37	RISES		11	6	11	32	7	51	8	17
13	WE.	4	34	7	36	8	25	11	56	.....	.....	8	41	9	5
14	TH.	4	35	7	35	9	6	0	20	0	43	9	28	9	51
15	FR.	4	36	7	35	9	41	1	6	1	28	10	13	10	35
16	SA.	4	37	7	34	10	11	1	50	2	12	10	57	11	18
17	S	4	38	7	34	10	37	2	33	2	53	11	38	11	58
18	MO.	4	38	7	33	11	1	3	13	3	34	.....	.....	0	19
19	TU.	4	39	7	32	11	25	3	55	4	17	0	40	1	2
20	WE.	4	40	7	31	11	50	4	39	5	2	1	24	1	47
21	TH.	4	41	7	30	MORN		5	27	5	53	2	12	2	38
22	FR.	4	42	7	29	0	16	6	19	6	45	3	4	3	30
23	SA.	4	43	7	29	0	45	7	12	7	39	3	57	4	24
24	S	4	44	7	28	1	19	8	7	8	35	4	52	5	20
25	MO.	4	45	7	27	2	0	9	1	9	27	5	46	6	12
26	TU.	4	46	7	26	2	48	9	54	10	20	6	39	7	5
27	WE.	4	47	7	25	3	43	10	45	11	9	7	30	7	54
28	TH.	4	48	7	24	SETS		11	32	11	55	8	17	8	40
29	FR.	4	49	7	23	8	28	.....	0	17		9	2	9	25
30	SA.	4	50	7	22	9	4	0	40	1	3	9	48	10	11
31	S	4	51	7	21	9	35	1	26	1	49	10	34	10	57



SATURDAY, JANUARY 1, 1870.

MOON'S PHASES.

	Day.	Boston.	New York.
FULL MOON....	7	9 55 P.M.	9 43 P.M.
LAST Q'RTER..	15	4 26 P.M.	4 14 P.M.
NEW MOON....	22	7 34 A.M.	7 22 A.M.
FIRST Q'RTER..	29	11 54 A.M.	11 42 A.M.

Day of Month	Day of Week	Boston.						N. York.							
		Sun Rises.		Sun Sets.		Moon R & S		High Tide.		High Tide.					
		h	m	h	m	h	m	Morning.	Evening.	Morning.	Evening.				
1	TH.	7	9	4	29	0	40	6	19	6	46	3	4	3	51
2	FR.	7	10	4	28	1	41	7	12	7	36	3	57	4	21
3	SA.	7	11	4	28	2	40	8	0	8	24	4	45	5	9
4	S	7	13	4	28	3	39	8	47	9	9	5	32	5	54
5	MO.	7	14	4	28	4	38	9	30	9	52	6	15	6	37
6	TU.	7	15	4	28	5	37	10	13	10	35	6	58	7	20
7	WE.	7	16	4	28	6	37	10	56	11	16	7	41	8	1
8	TH.	7	17	4	28	RISES		11	36	11	56	8	21	8	41
9	FR.	7	17	4	28	5	49	.....		0	16	9	1	9	22
10	SA.	7	18	4	28	6	41	0	37	0	59	9	44	10	6
11	S	7	19	4	28	7	40	1	21	1	44	10	29	10	52
12	MO.	7	20	4	28	8	43	2	7	2	30	11	15	11	33
13	TU.	7	21	4	28	9	49	2	53	3	16	.....	0	1	
14	WE.	7	22	4	28	10	56	3	40	4	5	0	25	0	50
15	TH.	7	22	4	29	MORN		4	31	4	58	1	16	1	43
16	FR.	7	23	4	29	0	4	5	26	5	56	2	11	2	41
17	SA.	7	24	4	29	1	14	6	26	6	56	3	11	3	41
18	S	7	24	4	29	2	27	7	26	7	57	4	11	4	42
19	MO.	7	25	4	30	3	41	8	27	8	57	5	12	5	42
20	TU.	7	26	4	30	4	57	9	27	9	56	6	12	6	41
21	WE.	7	26	4	31	6	14	10	25	10	54	7	10	7	39
22	TH.	7	27	4	31	SETS		11	21	11	46	8	6	8	31
23	FR.	7	27	4	32	5	54	.....		0	12	8	57	9	24
24	SA.	7	27	4	32	7	3	0	39	1	6	9	51	10	17
25	S	7	28	4	33	8	13	1	32	1	57	10	42	11	7
26	MO.	7	28	4	34	9	22	2	22	2	46	11	31	11	54
27	TU.	7	29	4	34	10	27	3	9	3	32	.....	0	17	
28	WE.	7	29	4	35	11	30	3	55	4	19	0	40	1	4
29	TH.	7	29	4	36	MORN		4	43	5	7	1	28	1	52
30	FR.	7	29	4	36	0	31	5	32	5	57	2	17	2	42
31	SA.	7	30	4	37	1	50	6	23	6	48	3	8	3	33

Cloudy but did not rain. Ther. about 40° - 48° - 40°. Rose as usual. After breakfast went to work on my accumulated birds and had the whole seventeen laid out by 4 P.M.

They took a walk with Dart as far as Mt. Auburn gate. The new year comes i.e. more like April than Jan. Not a speck of snow can be found anywhere, the frost is entirely out of the ground, the sidewalks are dry and nothing to be gathered a bouquet of pansies in our garden that were in full bloom.

SUNDAY, JANUARY 2, 1870.

Cloudy and fairly
poured all day.
Thur. about 38° - 48° -
 38° . Snow as usual.
Attended Church
in A. M.

I spent the af-
ternoon in the
house, roaming about
and talking with
the boys.

In the evening
we all went up
to see Ruth Deane.

Fresh pond broke
up entirely to day.

The wind blew
so hard as to take
down several buildings.

MONDAY, JANUARY 3, 1870.

Clear but very windy.
Thur. about 31° - 36° -
 34° . Snow as usual.
After breakfast had
the general harness
and went up to
Westchester to see
Mr. Maynard but
he was away from
home. Left him
~~some~~ Berthias and five
Goldcrest.

On the way up saw
a Shrike.

Got home by 11:30
A. M. and took out
my horse.

Took the 1:20 car for
Boston and had one
cavity filled and
another discovered.

Took in my traps to be
ground & got a samrod.
Call your Ber. saw one.

TUESDAY, JANUARY 4, 1870.

Clear but quite windy
and cold. Ther. about
31° — 40° — 38°.

Rose as usual. After
breakfast went shoot-
ing, first up around
the pond and then
over into Watertown.
Took *Colaptes auratus*
two ♂; *Cuthia ciner.*
two; *Trogl. Hyemalis* ♂;
and *Regulus Sat.*
♀. Shot off a large
hornets nest in
Watertown. Got home
at 2:30 P. M. and
taking out Mater, took
a ride over through
Brighton.

Trogl. Hyemalis took a ♂.
Colaptes auratus, took two
and saw three more.
Reg. Satrapa, took a ♀

WEDNESDAY, JANUARY 5, 1870.

A. M. cloudy & had
a snow squall. Cleared
up in P. M. Rose as
usual. After breakfast
had the General har-
nessed and rode up
to Maynards but did
not find him at home.
Got back at 11 A. M.,
after lunch went to
work on the five birds
taken yesterday and
did them all up before
dark. G. B. Piestell brought
me in five *Regulus Sat.*
which he had killed
with a crossbow.
In the evening attend-
ed the Nat. Hist. Soc.
meeting.

~~*Colaptes auratus* saw
one to day.~~

THURSDAY, JANUARY 6, 1870.

A. M. Cloudy. P. M.
clear. Ther. about 26° —
 40° — 45° .

Rose as usual. After
breakfast rode up to
West Newton and
spent the forenoon
with Mr. Maynard
taking notes &c.

At 10:30 we came
down together and
after getting my Chick-
adees proceeded together
to the museum and
had a long talk with
Allen. He also com-
pared my Goshawk
Chicadees with a
number of his.

On the way up to May-
nard's saw a Shrike
Collyris borealis, saw
one in remarkably brown
plumage.

FRIDAY, JANUARY 7, 1870.

James Hayman, saw several

bear but - cold and
very windy. Ther.
about 28° — 25° — 20° .

Rose as usual.
After breakfast went
shooting with Dent.
Struck up around Mt.
Cuburn and took Par.
Atricap. ten; Pie Pubes.
one (♀). Search for the
shrike seen yesterday
but could not find him.
Then over into Waverly
& took Certhia of one. one.

Then to the edge of
Stirlington and took
Par. Atri. ten; Pie
Pubes 5; and Spiz. Mont.
one. Got home at
4.30 P. M. pretty well tired
out.

Yale's Columbarius, saw
a small hawk probably this
Pyan. Cer. Saw several.
Certhia of one took one.

SATURDAY, JANUARY 8, 1870.

Four inches falling.
Cloudy and cold.
Ther about 24° — 28° —
 20° . Rose as usual.
After breakfast, as
father had a bad cold
and decided not to
leave the house, I took
the car into Boston,
and sat in father's
office all the fore-
noon. Had lunch
at 2 P. M. and
after buying several
articles came out
at 3.

In the evening
stuffed the five Golden
crests shirt by H.
Russell.

Began to snow at
about 1 P. M. and
snowed into the
evening about ~

SUNDAY, JANUARY 9, 1870.

Clear and cold. Ther
about 14° — 25° —
 16° .

Rose as usual.
Attended church
in A. M. walking
up with Thos. Russell.

In P. M. took a
walk up to the pond
with Charlie and
saw two Song Sparrows.
The pond still con-
tains open except
in the coves.

On the way home
Charlie left me and
called at R. Deane's, find-
ing him out and then
at the Russells where
I took tea

McCloughia Melodia, saw 2
Junco Hyemalis, saw Wood
Cuckoo. Am. saw two

MONDAY, JANUARY 10, 1870.

Cloudy and snowed
all day about an
inch falling in all
Thurs about -20° —
 28° — 28° .

Warm as usual.
After breakfast began
on the birds collected
Friday and laid out
all but eight chicks.

Took the 1:30 P. M.
car for Boston and
had two carriages
filled by Dr. Stearns.

Went down to
J. P. Wilkinson's
and bought a steel
measure marked
off into hundredths
of inches.

There is just enough
snow to make
slipping
Received an invitation
to Charlie Wymann's party.

TUESDAY, JANUARY 11, 1870.

Clear and warm.
Thurs. about -32° — 45° —
 40° . Frost as usual.
After breakfast
finished the chicks
getting through at
about noon.

Then took Kate in
the buggy, as the sun
had by this time melt-
ed all the snow,
and took a ride up
through Watertown
and then over into
Belmont, and down
by the pond, which
is again frozen over.

Abelospiza abrodia,
saw one
Spizella monticola
saw a large flock.

WEDNESDAY, JANUARY 12, 1870.

Cloudy but rained
only a very little
Ther. about 38° -
 45° - 40° .

Rose as usual.
After breakfast
went into Boston
and attended an
auction sale of en-
gravings at 50 Brom-
field St.

About two hundred
and engravings were
sold in all. Bought
a Madonna for \$7.00
Called in at Mr.
Davenport's store
and went all over
it. Came out at 1:30
P.M. At 4 P.M. went
down to the house
and meeting Mr. Van
took him all over
it

THURSDAY, JANUARY 13, 1870.

Cloudy and warm.
Commenced to rain
at about 1.30 P.M. and
rained hard most
of the afternoon.

Ther. about 39° - 40° -
 25° Rose as usual.

After breakfast took
John's double barreled
and Dan and went
shooting. Went up
around Fresh pond
and shot around
the flag staff hill.

Took Bar. Atri. four;
Spiz. about six; and
Pip. about 2.

Got home at 2:30 pretty
well soaked. Dan called
in P.M. and stayed till
5:30 P.M.

Collyria borealis, saw one
May. *Tritris*, saw two.
Cord. Am. saw several.

FRIDAY, JANUARY 14, 1870.

Cloudy and snowed
all day but very
little came.

Ther. about 10° —
 25° — 16° .

After breakfast
went to work on
the birds taken
yesterday and
with numerous
interruptions fin-
ished them by
4 P. M.

Mardie Wymen
had a gunner
this evening to
which I was in-
vited but did not
go.

In the evening
took a walk.

SATURDAY, JANUARY 15, 1870.

Cloudy and rained
hard all day, the
rain freezing as it
fell until by night
there was a coating
of ice over everything,
nearly an inch thick
making the walking
very hard. Ther. about
 16° — 32° — 30° .

Rose as usual. After
breakfast went down
to see J. Atkinson
and after stopping
an hour or so at his
house, we went into
Boston together. Went
first to Beads, and
then into several pic-
ture stores on Washing-
ton St. Then Frank
left me and I went
down to the Nat. Hist.

Beards and looked
over the collection.
I came out at 4 P. M.

SUNDAY, JANUARY 16, 1870.

Pleasant and clear.
Ther. about 40° —
 60° — 85° .

Roan ~~as~~ usual.

Attended church
in A. M.

after dinner.

J. Atkinson came
up and we went
up to Mr. Daven-
ports together.

and looked over
his collection.

In the evening

Charlie and I

went down to

the new church

and heard Mr.

Brooks.

After service

walked up as far

as Fayerweather St. with

E. Dodge, J. Crosswell, &

ed. Washburn.

MONDAY, JANUARY 17, 1870.

Cloudy and rained
hard in the afternoon.
Ther. about 34° —
 48° — 40° .

Roan as usual. After
breakfast took my
gun and Dart and
went up around
the pond into Belmont.

Took Spiz. Minor,
two (one partial albino)

Pic. Picaea ~~caerulea~~

Melospiza ^{cooperata} ~~caerulea~~ and

Picus. ~~striatus~~ one.

Got home at 2.30

P. M. just in time

to escape the rain.

After getting off my

things and opened my

birds. P. Dana called

at 4.30 P. M.

Melod. Melod. took one

Egyptus ~~caeruleus~~, took

at

TUESDAY, JANUARY 18, 1870.

Clear and windy.
Ther. about 30° — 45° —
 30° . Rose as usual.
After breakfast took
my gun and dart
and went up into
Watertown. Did not
fire a shot at any-
thing except a red
squirrel which I
did not hit.

Got home at 2 P.M.
and went to work
on the birds skinned
yesterday and finished
them before dinner.

WEDNESDAY, JANUARY 19, 1870.

Clear and pleasant
Ther. about 28° —
 38° + 30° .

Rose as usual.
After breakfast had
the mare harnessed
and took mother to
ride. Got home at
about 12 A.M.

Spent the P.M. in
writing in my
bird record and
accomplished a good
deal.

THURSDAY, JANUARY 20, 1870.

Clear and a most
lovely day. Ther. about
26° - 40° - 36°.

Started shooting im-
mediately after break-
fast. The air was clear
and bracing and the
grass covered by a white
frost. Struck over
by Spy Pond and then
over the hill towards
Arlington. The morning
was such a one as we
rarely can enjoy - per-
fectly clear and still with
the rich sunlight bathing
everything in a flood of
splendor. Did not get
home till 5 P. M.

Took during the day
Pine. Kill. ♀; Jun. ♂; y. ♀; ♀;
Spiz. Wood. two; and Pine. ♂.
saw Pine Kill. to be ♀;
Junco. ♂; y. ♂. saw a number

FRIDAY, JANUARY 21, 1870.

Alternately cloudy
and clear. Ther. about
28° - 40° - 28°.

After breakfast called
at Farrar's and asked
him to go skating
but he was not at
home. Therefore start-
ed off alone and
found the skating
pretty good in Cam-
bridge Hook which was
the only part that would
bear. Stayed until the
ice began to get soft
and then left.

In P. M. measured
the birds taken yes-
terday and took a
ride with Kate up
through Belmont and
Watertown.

SATURDAY, JANUARY 22, 1870.

Clear and moderate —
slightly cold. Ther. about
24° — 34° — 36°.

Rose as usual.
After breakfast went
to work on the birds
taken Thursday and
finished them all
by 2 P. M. After
church went into
Boston and bought
a pound of powder.

Called at Mr. N.
and had a talk
with him about
bird cases. Also
ordered a pair of
leather legging to
be made.

In the evening both
Mr. Russell & Mr. N.
called and stayed
till 10 P. M.

SUNDAY, JANUARY 23, 1870.

Ther. about 43° — 60° — 50°
A. M. cloudy and
rainy. P. M. clear
and pleasant.

In A. M. attended
church as usual
Mr. Nichols sitting
with me.

In P. M. took a
walk with C. Carter
up around the
pond and then nearly
up to Belmont.
On the pond seen
a flock of Gulls.

Wrote most of the
evening, etc.

The frost is now
almost entirely out
of the ground and
the pond is entirely
open again.

Found a quantity
saw 6 boys one hundred
on the West Fish pond.

MONDAY, JANUARY 24, 1870.

Clear and pleasant.
Ther. about 210° -
 45° - 410° .

Prose as usual,
After breakfast went
to work on some of
my old birds and
measured a number
of them by 1 P.M.
When I took the
car to Boston.

Went first to father's
office, and then
proceeded to Hughes
on Washington St. to
see about a bird case.

Finally decided
to let Peterson, on
Cambridge, have the
job. Got out at 4
P.M.

The Howfords had
another party to night.

TUESDAY, JANUARY 25, 1870.

Cloudy and rained hard
all day. Ther. about
 70° - 50° - 42° .

Prose as usual. After
breakfast went to work
on some of my old birds
and had measured
quite a number of
them when R. Deane
called and I knocked
off and went up to his
house with him where
I stayed till 2 P.M.

In P.M. wrote a
letter to L. E. Beecher
in which I enclosed
two dollars, buying ten
eggs, but which I shall
not send till to-morrow.

R. Deane did not
go into town to day on
account of a damaged
eye.

WEDNESDAY, JANUARY 26, 1870.

Clear but very windy.
Ther. about 34° — 50° —
 40° .

Rose as usual. After
breakfast took the
Hillsborough car and
rode up as far as the
cars go. Then kept
on up to Maynards
got there at about 10
and finding him at
home, carried him about
forty bird and got of
him in return a Gos
Hawk, a Starling and
a Br. Crest. Flycatcher.
Got home at 2 P.M.

After lunch took my
gun and went up
around the pond to the
pine swamp and took Par
At. one. Fired at a Gull
on the pond
Bertha came saw them.

THURSDAY, JANUARY 27, 1870.

Clear and lovely.
Ther. about 43° — 55° —
 45° .

Rose as usual. After
breakfast took my gun
and Dart and went
up to the pond. Stay in
wait in a nice car and
got a good shot at a Gull
but failed to bring him al-
though I hit him hard.

Then left the pond and
kept on up into Belmont
Fired twice at Meadow
Larks and took two of
Par. A. Trip up. The meadows
are entirely free of frost, the
merry birds are playing on
the brook and the grass
is everywhere getting
green. Par evening went
up to see R. Deard.

Sturnella magna, saw
a flock of five

FRIDAY, JANUARY 28, 1870.

Clear and a most lovely day. Ther. about 36° - 45° - 38° .

Rose as usual. After breakfast started off with Mark and went up around the pond into Belmont. Thence through Waverly unto Waltham and back by Crown Hill and down again through Waverly. Took during the day Par. Ct. thru 2 Jun. W. Y. thru; Reg. Satrap, thru; Per. Am. one; Colap. Au. one; Cyan. Cris. one. Got quite tired by the time I reached home at 6:30 P. M.

From beyond saw several Colap. auratus. Took a ♂ Cyanura Cris. Saw about a dozen. Vol. Melodica, heard a male singing splendidly

SATURDAY, JANUARY 29, 1870.

Cloudy and snowed in a desultory manner all day about four inches falling. Ther. about 32° - 34° - 34° .

Rose as usual. After breakfast went to work on the birds taken yesterday and got them all measured and labeled by 12 M. They went down to the house and got some arsenic.

Finished the last of my fifteen bird specimens for dinner

SUNDAY, JANUARY 30, 1870.

Clear and very
dazzling with the
richly fallen snow
Thur. about 82° —
38° — 28°.

Rose as usual.
Attended church
in A. M.
Pr. P. M. R. Dean
and E. Dodge called
and with Charlie
we took a walk up
to the pond together
getting back at about
dusk.

Spent the evening
in the house.
Fresh pond is
skinned over.
Cartia Ann. saw three
Junco Hyemal. saw
numbers.

MONDAY, JANUARY 31, 1870.

Cloudy and snowed
part all day about four
inches of damp snow
falling. Thur. about 25°
30° — 30°. Rose as
usual. After breakfast
received a letter from
Richscker relative to
an exchange. Took the
9.35 Watertown car and
walked the rest of the way
to Newton. Found C. J.
M. at home and got
of him ten Stone Paradise
War my exchange.

In P. M. packed my
eggs and went down
to see H. Kingson.
Sent a letter to Richscker
accepting his offer.
In evening went up to
N. Deane's

Ch. Tristis, saw several
Junco Hyemal. saw several

TUESDAY, FEBRUARY 1, 1870.

Morning broke clear and snowing fast.

Clear up at 10 A.M.

Rest of day pleasant.

Ther. about 32° - 38° -

16° . Rose as usual.

After breakfast went into Boston with father and mailed a box of eggs to Dr. E. Richardson. Coming out stopped at the Cushaws and got some eggs.

After lunch had the man harnessed and took a slight ride over through Brighton and Brookline. The sleighing was pretty good though soft. In the evening Dr. Deane & I went down to B. P. Mann's and got 6 box. Thrushes, 6 Quail, 1 Ace. Titmouse, 2 V. Spar. for our exchange.

WEDNESDAY, FEBRUARY 2, 1870.

Morning broke clear. Clouded up at sunrise and remained so the rest of the day.

Ther. about -8° - 25° - 25° .

Rose as usual.

After breakfast went down to the museum and tried to get a couple of eggs of J. C. Allen of Passaic, N. J. but he did not have them to spare.

got home in time for lunch.

Spent the afternoon in measuring up some of my old birds.

In the evening went into the Nat. Hist. Soc. lecture. The sleighing is very good to day although thin.

THURSDAY, FEBRUARY 3, 1870.

Cloudy and cold.
Thurs. about 8° — 20° —
 15° .

Rose as usual.
After breakfast went
to work on measuring
up my old skins & I
spent the day
on it finishing most of them.

Did not go out of
the house the whole
day as I had a very
bad cold and sore
throat.

FRIDAY, FEBRUARY 4, 1870.

Clear and cold. Thurs.
about 8° — 20° —
 20° . Rose as usual.
After breakfast went
into Boston and went
first to Brewster's to
see if he wanted any
butterflies. He agreed
to take powder and took
in exchange four eggs of
My. Crinites.

Next went to see the
Cardiff giant, going
in with R. Deane's Bea-
son ticket.

Called last of all at Mr.
Dav. came out at 12 M.
At 2 P.M. had Kate
harnessed and took
mother to ride through
Belmont & Waverly.
Found the sleighing
very good.

SATURDAY, FEBRUARY 5, 1870.

Cloudy and snowed
a good deal during
the day although
very little fell.

Ther. about 15° —
 24° — 24° . Rose
as usual. After
breakfast to work on
some butterflies and
set fourteen of them
besides some proths.
The butterflies I am
to take into Brewster's
in exchange for the eggs
taken yesterday.

Spent most of the
afternoon in putting
up my bird record
and copied up as far
as the middle of No-
vember. The digram
is very fine and con-
tains hard & smooth

SUNDAY, FEBRUARY 6, 1870.

Cloudy and rather
~~warm~~. Ther. about
 24° — 28° — 28° .

Rose as usual.
Attended church in
A. M.

In P. M. had the
mice harvested and
took a ride with
R. Deane over through
Brookline and Brite-
ton.

Wrote almost
all the evening.

Received a letter
from L. E. Richman
saying that he had
received my eggs.

Collyris borealis, saw
one.

MONDAY, FEBRUARY 7, 1870.

Clear and cold.
Thur. about 12° - 28° -
 27°

Rose as usual, but upon stepping out of bed was attacked with a sudden dizziness and nausea. By 10 A.M. I was very feverish and anticipating a severe illness moved into mother's room with some difficulty. Put my feet into hot water and mother bathed my head with Camphor.

Dr. Wyman called on this afternoon and said that it was only sore throat. I suffered a good deal through the day.

TUESDAY, FEBRUARY 8, 1870.

Morning broke cloudy. Began to snow at 10 A.M. and snow very hard the rest of the day about eight or ten inches falling. Thur. about 24° - 32° - 30° . Rose as usual after passing a tolerable night.

The doctor called soon after breakfast. He made me gargle my throat with cold tea and chloride of potash. He also ordered me a dose of rhubarb.

By the afternoon the wind blew a tremendous gale and continued to blow hard into the night.

On the whole had a hard day although did not suffer so much as yesterday.

WEDNESDAY, FEBRUARY 9, 1870.

Morning broke cloudy. Snowed a little but cleared up by noon. P. M. clear and pleasant.

Thur. about 23° - 32° - 25° . Rose as usual.

Had a very fair night's rest, sleeping all but two or three hours.

The doctor called after breakfast as usual and told me to continue my gargling, wet flannel around my neck &c.

The sleighing will be very good after this snow is trodden. Received a letter from G. W. Lawrence and his Birds of New York.

THURSDAY, FEBRUARY 10, 1870.

Clear most of the day. Occasionally clouded up for a few minutes.

Thur. about 21° - 30° - 25° .

Rose as usual after passing a very comfortable night.

Spent most of the day reading and being read to.

My sore throat began to leave me at noon and by night I was decidedly better.

In the evening had Charlie and John come in to see me.

Charlie brought a horn which he is engraving.

The sleighing is now most perfect. Doctor called in P. M.

FRIDAY, FEBRUARY 11, 1870.

Alternately cloudy
and clear. Ther. about
16° - 25° - 28°.

Rose as usual.
After breakfast came
down stairs for the
first time, feeling
very weak. Eat lunch
in the sitting room
and stayed till
about 2 P.M. when
I went up again.

Read most of the
P.M.

Got a letter from
Dan to day.

In the evening
R. Deane called and
I saw him for about
half an hour in
my room.

My sore throat has entirely
left me and I am
quite comfortable.

SATURDAY, FEBRUARY 12, 1870.

Clear and a lovely
day, very warm.
Ther. about 38° - 54° -
34°.

Rose as usual.
Came down to breakfast
for the first time.

Spent most of the
forenoon down stairs
reading and med-
itating.

Spent the after-
noon reading &c. and
wrote a note to G. W.
Lawrence of N. H.
thanking him for
his pamphlet.

Took dinner down
stairs and spent the
evening with the
boys in the dining
room. The thaw has
turned the sleighing
into slush. The doctor
called for the last time.

SUNDAY, FEBRUARY 13, 1870.

Clear and a most lovely winter day. Therm. about 22° - 38° .

Rose as usual and shaved. Came down to breakfast feeling quite myself again. After the folks had gone to church, went to work on my diary which was behind a whole week and wrote it all up in a short time.

MONDAY, FEBRUARY 14, 1870.

Cloudy moderating all day but did not storm. Therm. about 11° - 28° - 32° .

Rose as usual. Spent the day in the house, reading most of the time. I intended to have gone out had the weather permitted.

TUESDAY, FEBRUARY 15, 1870.

Cloudy and damp
but did not rain
much. Ther. about
42° — 48° — 40°.

Rose as usual.

In A. M. went down
to the house, the
first time that
I have been out
since my sickness.

Stayed there about
an hour.

Read most of
the P. M. and measured
some skins.

Snowed about
an inch this even-
ing. 11

WEDNESDAY, FEBRUARY 16, 1870.

Clear and a beautiful
day. Ther. about
29° — 38° — 32°.

Rose as usual.
After breakfast took
the car down to the
Square and called at
J. Atkinson's but as
I did not find him
at home I kept on
into Boston carrying
in fourteen butterflies
to Brewster in exchange
for the four eggs of My-
iarchus Primitus which
I got from him last
week. Bought a scrap
book \$2.00 and went
to E. G. Peterson's and
saw my bird cage
which is at last fin-
ished. Got out at 1.30 P. M.
Worked on my insects
the rest of the day.

THURSDAY, FEBRUARY 17, 1870.

Clear and pleasant.
Thurs. about 12° -
 40° - 30° .

Rose as usual.
After breakfast went
to work on my bird
~~record~~ and wrote
up the year.

After lunch went
down to the house
and received my
bird case which
Mr. Peterson brought
out.

We spent the
whole of the afternoon
in putting it up.

In the evening
B. Deary called.
Nothing has been
heard from Bicksh-
er, who should have
sent our egg some time
ago.

FRIDAY, FEBRUARY 18, 1870.

Cloudy and rained
hard all day.
Thurs. about 37° - 45° -
 44° . Rose as usual.
After breakfast
took the car down
to the square and
walked down to
Frank Atkinson,
and spent the fore-
noon with him.
Came home in
time for lunch.
Spent the P.M. in
setting some of my
mountain insects.

Got an insect box
of F. Atkinson and
some large mouthed
vials at Fairbairns for
insects. The snow is now
rapidly disappearing.

MONDAY, FEBRUARY 21, 1870.

At morning broke moving fast but it soon ceased. By 10 A.M. the wind began to rise and by noon the sky was clear. Ther. about 35° - 30° - 20° .

Rose as usual. At about 10 A.M. went down to the museum to see J. A. Allen and got my hawk back: it had at last been identified beyond a doubt as *Buteo laciniatus*, bird of the year. My specimen was slightly damaged, the tail being broken.

Spent the P.M. in the house. The ice on Fresh pond is about six inches thick.

TUESDAY, FEBRUARY 22, 1870.

Ice six inches thick. Clear cold and windy. Ther. about 8° - 20° - 16° .

Rose as usual. Charlie went into Boston at 8 A.M. and got out at 10. We then went down to the house and getting Leonard's revolver with a paper of bullets, came back again and fired some twenty or more shots. Then put in some bullets which had been fired once and four barrels went off at once. At 2 P.M. went shooting up and Mr. Auburn paid back by the pond. Charlie shot a red squirrel which got into a brush pile. Saw nothing else except a pair of gulls. Got home by 4 P.M. Commenced to cut out Fresh

WEDNESDAY, FEBRUARY 23, 1870.

Clear and pleasant
Thurs about 15° —
 32° — 28°

Rose as usual.
Spent the most
of the A. M. in the
kitchen, setting insects,
and worked until
my pins gave out.

Wrote the 2.20 car
into Boston.

Went first up to School
St. and then down to
N. York St. where I bought
a pound of bullets for
Leonard's revolver.

Thence to Hanover St.
and bought Smith's report
for 1861. Coming out got
off at Broadway and
ordered four paper tops
at Page's. Got home in
time for dinner. Ground
perfectly bare still.
Saw *S. pentadactylus*, saw *S.*

THURSDAY, FEBRUARY 24, 1870.

Clear but very windy
Thurs about 23° —
 32° — 28°

Rose as usual.
After breakfast
walked down to
Frank Atkinson's but
found him out. On
the way down called
to see Ben. Mann but
found him also not
at home. At 2 P. M.
went down again to
miss him by only a
few minutes.

At 3 P. M. had the
mare put into the
open buggy and took
a ride up through
Waverly and back
by "the pond" where
they were cutting ice.
Spent the evening
in the house as usual.

FRIDAY, FEBRUARY 25, 1870.

Clear and the coldest
day since December.
Ther. about 7° —
 16° — 12° .

Rose as usual.
After breakfast
went into Boston
with father and went
up to Corner's Com. Coll.
but Mr. Corner was
not there. Went up
again at 12 o'clock
but as ~~he~~ had not
even then arrived, I
saw his head teacher
and talked with him
about his terms for
juniorship.

Came out at 1 P.M.
and spent the
rest of the afternoon
in writing.

R. Deane called in
evening.

SATURDAY, FEBRUARY 26, 1870.

Clear and cold
Ther. about 15° —
 28° — 25° .

Rose as usual.
After breakfast took
the car into Boston
with father.

Went up to Corn-
er's Com. College and
took my first lesson
of two hours.

Got out of Boston
at about 12 P.M.
and after eating
lunch went down
to B. P. Mann's
with the Veronsey,
that I owe him
but he was not
at home.

SUNDAY, FEBRUARY 27, 1870.

Cloudy and chilly.
Ther. about 25° - 28°
 28°

Rose as usual.
Attended church
in A. M.

In P. M. went
up to R. Deane's
and spent the
A. M. with him.

Spent the even-
ing in the house as
usual, and wrote
a number of let-
ters.

MONDAY, FEBRUARY 28, 1870.

Cloudy and snow-
ed all day about
four inches falling.
Ther. about 32° &
 35° - 35° .

Rose as usual.
After breakfast
took the car into
Boston and took
my two hours at
Gobner's getting out
at about 2 P. M.

In the P. M. G.
Atkinson called
and I went over
to Mr. Austin's
house with him but
he was not at
home.

In the evening
went down to see
Mr. Mann and got
of him four eggs of
Quis. Abajo.

TUESDAY, MARCH 1, 1870.

Cloudy and very chilly. Ther. about 30° - 34° - 30° .

Rose as usual. After breakfast answered Thickseth's letter received yesterday. Took the 10 A.M. car into Boston. Carried in four shells to Brewster and got in return three eggs of *Hydro. Thumbr.* Took my two hours at Corbett's.

Got out at about 1 P.M. and spent the most of the P.M. in setting butterflies.

For the evening Tho. and Joe called.

WEDNESDAY, MARCH 2, 1870.

Clear but very windy. Ther. about 21° - 35° - 25° .

Rose at 6 A.M. and took breakfast with the boys.

Started off at about 7.30 and went first up around Fresh pond, nearly up to Belmont. Saw a flock of Meadow Larks. Then over back of Mt. Auburn and home by the river. Spent most of the P.M. in firing at ad marks with Leonard's revolver.

Ampelis Cedrorum, Heard a flock. *Stimul. Mag.* Saw five. *Colaptes Auratus*. Saw five. *Chelospiza hel.* Saw one.

THURSDAY, MARCH 3, 1870.

Clear and a beautiful day.
Ther about
25° - 35° - 30°
Rose as usual.
After breakfast
went into Boston
with father. Took
in fifty belts to
Brewster and
got in exchange
six eggs of *Hy-*
drochelidon Plum-
ber. Took my two
hours at Corners
and got out at
2 P.M. Spent most
of the P.M. in
writing up my
diary.

The snow still
continues about
the same depth,
three or four inches.

FRIDAY, MARCH 4, 1870.

Cloudy but did not
storm. Ther. about
14° - 32° - 30°.

Rose as usual.
Went into Boston
after breakfast and
took my writing
lesson. Met P. Deam
on Washington St.
Got out at 1 P.M.
After lunch took my
gun and Dart and
went up around
Mt. Auburn but did
not get a shot at
anything except a
Chimade.

Got home by 4 P.M.
In the evening got
ready to go up to C. Dodge
when P. Deam called
and spent the evening
Colaptes Auratus, *Heard*
one.

SATURDAY, MARCH 5, 1870.

Cloudy and cold,
Ther. about 19° —
 29° — 26° .

Rose as usual.
After breakfast took
the car down to the
Port and went to the
box factory after my
insect boxes but they
were not finished.

Called at the house
on the way up and
got the two cases of
Chinese insects.

Spent the rest of
the day in rearrang-
ing them, taking
out some and sub-
stituting American
in their places.

Miss Lizzie Farley
took lunch with
us. There is no sleigh-
ing, although the snow
remains the same depth

SUNDAY, MARCH 6, 1870.

Clear and a beautiful
day. Ther. about 14° —
 38° — 30° .

Rose as usual
attended church
in A.M.

In P.M. went
up to see Mr.
Lavenport, found
him at home
and spent a pleas-
ant afternoon with
him. Carried up
three or four of my
mountain butte-
flies and got some
of him in exchange.
He also gave me
a bottled Owl's
egg.
That evening
went down to see
Lyon but as he was
not at home called
at the Russells

MONDAY, MARCH 7, 1870.

Cloudy and snowed quite fast all day about four inches falling. Ther. about 20°—32°—30°. Rose as usual. After breakfast wrote a letter to Richscker, Henry Henshaw and J. Krider. After lunch went down to see Lyon's collection of eggs. Took the 2 P.M. car into Boston and went up to Corner's but found that they are not open in the afternoon so I had to turn around and come out again.

TUESDAY, MARCH 8, 1870.

Clear and a lovely day although rather windy. Ther. about 18°—35°—28°.

Rose as usual. After breakfast went into Boston and took my two hours lesson as usual. Went up to the Common and watched the English Sparrows awhile and then came out getting home at about 2 P.M. Spent the afternoon in the house working on my insects. The sleighing this morning was very good.

WEDNESDAY, MARCH 9, 1870.

Clear but rather
windy. Ther. about
19° - 40° - 26°

Rose as usual
After breakfast took
the car into Boston.
Took my two hours
at Corners and
gave an order for
an egg cabinet to
Patterson on Cornhill.
Came out on the
Broadway car and
got my insect boxes.

After getting home
took Richards' revol-
ver and fired three
rounds with it,
making pretty
fair shots.

In the evening
called up to see
Ed. Dodge and
played several games
with him.

THURSDAY, MARCH 10, 1870.

A. M. clear. P. M.
cloudy. Ther. about
20° - 35° - 30°

Rose as usual.
After breakfast
took my gun and
Dart and
went up around
Mt. Auburn and
over into Belmont.

Had a long chase
after a Shrike in
the Snipe meadow
but finally got him.
Got home by 1.30 P. M.
Cook during the
day. *Certhia Am. B.*,
Parus Atri. g., *Spiz. Mont.*
two males. After lunch
went to work on my
birds and finished
them by 5 P. M.
Abt. chapt. heard one,
Str. albina, saw one
Colinus borealis. Shot a
Spiz. Mont. rather scarce.

FRIDAY, MARCH 11, 1870.

Cloudy and cold.
Ther. about 13° —
 25° — 25° .

Rose as usual.
After breakfast
took the car into
Boston and took
my writing lesson
as usual.

Called twice at
Patterson but
he was not in.

Came out at
about 12 M.

Spent the af-
ternoon in work-
ing on my in-
sects.

The roads are bare
and frozen, but
the fields are cov-
ered with snow.

SATURDAY, MARCH 12, 1870.

Cloudy and very
chilly. Spite snow
most of the day.
Ther. about 19° —
 28° — 25° .

Rose as usual.
After breakfast went
into Boston and
took my writing
lesson. I have now
got into capitals.
After getting through
went down to Fidd's
store with Charlie
and looked over
guns. Then went
up to Patterson's
and had a talk
with him about
my egg cabinet.
Got out at 5 P. M.

Spent the evening
at home & R. Deane
called

SUNDAY, MARCH 13, 1870.

Cloudy and the
harshest snow
storm of the season.
Ther. about 20°—
28°—25°.

Morning broke
snowing fast and
snowed hard all
day, over a foot
falling and drift-
ing badly at that.

Spent the
whole day in the
house with Char-
lie, reading most
of the time. He
wrote a letter to
Rich ordering
several eggs for
me, two Hooded Mer-
gansers, two Rusty
Blackbirds and a
Wh. bellied Woodpecker.

MONDAY, MARCH 14, 1870.

Clear and a beautiful
day. Ther. about 20°—
48°—40°.

Rose as usual.
Spent the forenoon
in the house writing
letters most of the
time.

For J. M. had
the man harnessed
and took a slight
ride up to Belmont
and back.

The sleighing
was very hard, as
many of the
roads were scarcely
broken.

TUESDAY, MARCH 15, 1870.

Clear and warm
Thurs about 13° -
 50° - 40°

Rose as usual
Went into Boston
in A. M. and
took my writing
lesson.

Called at the
Express office and
got a box of eggs
from Ricksecker
all of which came
safely.

Got out at 2 P. M.
After lunch went
down to the museum
to see Allen but
could not find
him.

Spent the evening
in the house as
usual. The sleighing
is pretty much gone.

WEDNESDAY, MARCH 16, 1870.

Cloudy and chilly.
Thurs about 24° - 35°
 30° In the afternoon
it blew a perfect gale
with snow or rain.

Spent the whole
day in the house
writing a letter to
Dan and Ricksecker
in the morning
and setting butter-
flies in the afternoon.

Mother spent the
day at the house
and late in the
afternoon I went
down with an
umbrella and brought
her home in the
gait.

THURSDAY, MARCH 17, 1870.

A. M. cloudy. Noon clear. P. M. cloudy. Began to snow at about 6 P. M. and snowed all night. After breakfast took the car into Boston. Called at Mr. Davenport's and left him the egg of the Boat tailed Grackle and the Yellow head. Tropical. After taking my writing lesson came out. The streets were crowded with Irish following the processions.

Spent the P. M. at the house working on bird stands. Sleighting rather poor.

FRIDAY, MARCH 18, 1870.

Cloudy and snowed at intervals during the whole day. About six inches fell last night so that it made the sleighting quite good. Ther. about 28°
30°--28°.

Rose as usual. In A. M. went into Boston.

Took my writing lesson, bought a pair of rubber boots, looked at guns at Tonks' Schafers and Lovells and got out by 2 P. M.

In the afternoon took a sleigh ride up through Belmont. Sleighting very good.

SATURDAY, MARCH 19, 1870.

Clear and a pleasant day.

Ther. about 22°—
40°—34°.

Rose at 6 A. M.
and getting Kate
harnessed to take
a sleigh ride up
through Belmont
and around Mt.
Auburn on my
way home. Saw a
Purple Finch.

Went into Boston
in A. M. and af-
ter taking my
writing lesson, looked
at Schafer's gun
with Chas. W.

In P. M. took a
sleigh ride with the
General, up around
Mt. Auburn.

Carpod. Perfractus
two a mate.

SUNDAY, MARCH 20, 1870.

Clear and warm.
Ther. about 32°—
50°—32°. Rose as
usual.

Attended church
in A. M. Mr. Nich-
ols sitting in our
pew. Dr. Robbins
preached.

In P. M. R. Dean
called and stayed
two or three hours.
Spent the evening
in the house.

The warm weather
has about used up
the sleighing, but
the snow still lies
in the fields to the
depth of a foot or more.

MONDAY, MARCH 21, 1870.

Cloudy and foggy
but did not rain.
Thur. about 38°—
40°—35°.

Rose as usual.
Spent the morn-
ing in the house
writing a letter
to H. Henshaw
and John Krider.
About noon a
large flock of Am-
pelis Cedrorum came
into the yard and
I killed fourteen of
them at a shot.

Spent most of
the P. M. in meas-
uring them.

They put up the
chandeliers in
our house to day.
Ampelis Cedrorum,
Saw upwards of
two hundred.

TUESDAY, MARCH 22, 1870.

Clear and a warm
spring like day.
Thur. about 34°—
50°—36°.

Rose as usual.
Jno A. M. went
into Boston, and
took my writing
lesson as usual.
Got out at about
12 M. and spent
the P. M. on my
birds doing them
all.

After dinner went
up to the reservoir
with Charlie and
tried his new gun
which he bought yes-
terday. Turdus Migratorius saw twenty two
flying North. Specales
Nexicolor, saw one

WEDNESDAY, MARCH 23, 1870.

Clear but rather
windy and cold.
Ther. about 32°-
40° - 35°.

Woke at 6 A. M.
and after eating
breakfast with
the boys, started
shooting without
Dad. Took two or
three of Mel. Melod.
and male Ag. Phoc.
Broke through
the ice in the swamps
and spent an hour
or so in a switch
board drying my
boots and stockings.
Got home at 12 M. Stuffed
in P. M. Ag. Phoc. saw
numbers. See Ferrugin.
saw numbers
Circus Hudson. saw
a pair.

THURSDAY, MARCH 24, 1870.

Clear and warm.

~~A. M. cloudy.
Clear up at noon.
P. M. cloudy. Began
to snow at about
6 P. M. and snowed
all night.~~

I rose as usual.
After breakfast
took the cars into
Boston and took
my writing lesson.
Called at Mr.
Davenport's and
gave him the egg
of a Boat-tailed Grack.
He and a Yellow-browed
Tropical Gt. got out
at 12 M. Spent the
P. M. at the house
and took a short drive
with Kate up around
Mt. Auburn
Girlic Sialis, saw a
pair.

FRIDAY, MARCH 25, 1870.

Clear and windy.
Ther. about 18° -
45° - 38°.

Rose as usual.
In A. M. went into
Boston and took
my writing lesson.

Got out at 2 P. M.

Got a box of eggs
from John Birds.

After getting lunch
took my gun and
went up around
Mt. Auburn.

Took *T. Migrat* two;
Mel. Mel. one; *Sialia*
Sialis 5.

Got home by 5 P. M.
Spent the evening
in the house.

SATURDAY, MARCH 26, 1870.

Clear and warm.
Ther. about 19° - 50°
35°.

Rose as usual.
After breakfast took
the cars to Watertown
and walked the rest
of the way.

Found Mr. May-
nard at home and
spent the most of
the forenoon with
him.

Got back at 2 P.
M. and spent the
rest of the day on
the birds taken
yesterday.

In the evening
the Russells called.

The grass is
beginning to get green
in places.

SUNDAY, MARCH 27, 1870.

Cloudy. Ther. about
38° - 40° - 40°.

Snowed most of
the afternoon, melting
as it fell.

Attended church
in A. M.

In P. M. Mr. Daver-
port called and stayed
several hours.

Late in P. M.
went up to R. Deane's
with Charlie.

Carried up an
egg of *Mergus serrator*
which I exchanged
for one of *Lophodytes*
gambelii.

Spent the evening
in the house with
the boys.

MONDAY, MARCH 28, 1870.

Cloudy and rained
most of the day.
Ther. about 40° - 50° -
40°.

Rose as usual.
After breakfast with
Leonard carried
down my cabinet
drawers.

Spent most of the
day at the neighbors,
fixing things up.

Spent the evening
about the house.

TUESDAY, MARCH 29, 1870.

Cloudy and sprinkled
a number of times
but did not actually
rain.

Thur. about 38° —
 45° — 40° .

Rose as usual.
After breakfast went
over to the house, and
spent most of the
day in painting
my boat.

The ground is
now bare in large
patches and the
snow disappearing
rapidly.

The roads are
now in a most
wretched condition
as the frost is coming
out.

WEDNESDAY, MARCH 30, 1870.

Cloudy but did
not rain.

Thur. about 39° —
 48° — 44° .

Rose as usual.
After breakfast had
Batie harnessed and
took a ride up around
Mt. Auburn and up
to Belmont.

In P. M. took my
gun and went over
to Simon's hill, and
fired my gun a num-
ber of times. Also
shot a Skink.

The ground is now
almost entirely bare.

We intended to have
moved to day but
Mr. Danforth did
not come.

THURSDAY, MARCH 31, 1870.

Clear and a most
springlike day.

Ther. about 40° -
60° 40°.

Moved into our house
to day.

Mr. Danforth came
this morning and
took down all our
things from Mrs.
Nichols.

Spent the day
arranging things
at our new house.

Took dinner for
the last time at
Mrs. Nichols and
came down at
about 9 P. M.

Carpodacus Purpureus
Heard several males
singing.

FRIDAY, APRIL 1, 1870.

Clear and a lovely
day. Ther. about 42° -
62° 40°.

Rose as usual.
After breakfast took
the cars for Boston.

Went first to Patterson's
to see about my
cabinet which I found
was not done.

Then went up to
the State House and
saw Mr. Purdie who
gave me a copy of
the Game Law as
it now stands, and
lent me a catalogue
of the birds of N. J.

Got out by 12 M and
while eating lunch
R. Deane called.

Tus. Migra. Singing
splendidly this morning

SATURDAY, APRIL 2, 1870.

Clear and pleasant.
Thur. about 45° —
 55° — 48° . Had
had a chilly East wind
for the last three days.
Rod as usual
After breakfast took
my gun and Dart
and went shooting up
by the pond into Belmont
Took during the
day. Sitta Carolina pair;
Mel. Mel. two 3. Pic.
Tubes 3. Got back by
1.30 P. M. Spent most
of the afternoon on
my birds, and R. Dean
called. Only a very little
snow in some sheltered
places now remains,
and the frost is nearly
all out. The Robins
now sing morning and
evening.

SUNDAY, APRIL 3, 1870.

Cloudy and blew a
perfect gale all day
with rain sleet or snow.
Thur. about 40° — 37° —
 35° .
Attended church in
A. M. as usual, and
got quite wet coming
home.

Soon after dinner John
and Charlie called and
stayed an hour or two.
Thur Charlie and
I went up to R. Dean's
but did not find him
at home.

Spent the evening
in the house writing
and reading.

The roads are now
quite as dry and hard
in most places as they
are in summer.

MONDAY, APRIL 4, 1870.

Rained in Lorentz all day, the wind blowing with a violence that almost threatened a repetition of the gale of Sept. last. At daybreak the ground was covered with snow that had fallen during the night, but this the rain soon carried off.

Rose as usual.

Spent the day in the house putting up window shades and overhauling things generally.

Got out all my books and placed them in my book case.

Berrilla Canadensis, several large flocks seen.

TUESDAY, APRIL 5, 1870.

A. M. cloudy. Noon clear. P. M. cloudy. Evening rainy.

Rose as usual.

After breakfast went to work overhauling things.

After lunch took the air rifle up back of the reservoir, and fired a dozen shot or more at a mark.

Spent the afternoon in putting up bird boxes and up up nearly a dozen.

In the evening R Dean called and stayed till 10.

Quiscalus Versicolor around in large flocks.

WEDNESDAY, APRIL 6, 1870.

Cloudy, and rained hard all day.

Toward evening the wind shifted into the West.

Rose, as usual.

After breakfast fired into a flock of *Certhia* Black birds in the yard, killing one and wounding another which I did not get.

In A. M. went into Boston to see about my cabinet which I am to have Saturday. Saw a fine male Florida Gallinule at Brewsters that was shot on Long Island this morning.

Came out at 12 M.

In the evening went up to the Nicholss and saw the boys.

THURSDAY, APRIL 7, 1870.

Rained and snowed till 7 A. M. Rest of day clear. Ther. about 38° - 60° - 40. Set my clock for 1.30 but Charlie had to make his way up to my room at 5.30 and wake me. Dressed immediately and started off. Beat the Belmont meadows but found no Snipe.

Charlie to a female *Philohela Minor* that would have laid in a week or day or two. I took a fine *Shrike* and 3 *Scot. Ferruginus*. Met Mrs. Davenport and came back with him. At 1.30 P. M. had Katie harnessed and drove up through Belmont. Fired three times at a *Cock* but lost him. 1 *Motth. Pe.* saw five. *Dend. Cornata*, saw 8 *Philohela Minor*, saw two

FRIDAY, APRIL 8, 1870.

Clear and a most Spring like day.

Ther. about 50°-60°-50°

Road, as usual.

Gov A. M. skinned the bird taken yesterday.

After lunch, walked down to the turning mill and gave orders for my bird stands.

Also bought a quart of plaster paris.

Gov J. M. drove both the horses.

The grass is quite green everywhere and the maple trees in blossom.

Saw the first *Antiope* butterfly and heard the *Hallas*.

Hirundo bicolor, saw a pair in our garden.

SATURDAY, APRIL 9, 1870.

Clear and pleasant. Ther. about 50°-64°-50°

Rose at 5 A. M.

Shot a gray cat that Leonard scared out of the barn for me.

Went up around the pond taking Darts.

Took during the morning *Ch. Tristis* four: *Colap.*, *Auratus* 2

Sc. Ferruginus a pair.

Mo. Melodia 2. Got back at 11 A. M. Spent most of P. M. on my

birds. At 4. drove the General taking R. Deane

Got back at 6.30; went up to the swamp & took

a *Tringa* & a *Muskrat*.

Pass. Savanna, s. several: *Pass. Sh.* numbers; *Gay. Tuscus*, 3; *Gall.*

Wilsonii, two; *Nyctiar. Gardin* saw one.

SUNDAY, APRIL 10, 1870.

Clear and a fine day
Ther. about 50°-60°-45°

Attended church in
A. M. as usual.

Bro F. M. took a
ride with father, first
down to Mr. Riley's
in East Cambridge
and thence up to
Deacon Coolidge's in
Watertown.

R. Dean called
in the evening.

The grass is very
green, dandelions
growing and the first
out everywhere. No
snow is left.

The Swallows are
around my boxes
regularly every morning.

MONDAY, APRIL 11, 1870.

Cloudy. Began to rain
at 2.30 P. M. and rained
hard the rest of the day.

Ther. about 40°-45°
40°

Rose, as usual.
After breakfast went
into Boston with father.

Called to see Mr. Fur-
die and spent nearly
an hour with him.

Then ordered some
trays at the Boston box
factory.

Took my lesson
at Cornish and got
out by 1 P. M.

Bro F. M. wrote a
letter to Dan.

In the evening
went up to see R. Dean
and spent the evening

TUESDAY, APRIL 12, 1870.

Cloudy. Rained
most of A. M.

Clear'd off just at
sunset.

Thur. about 50° -
55° - 50°.

Rose as usual.

Spent most of
A. M. in the house
and wrote several
letters.

In P. M. drove
the General up
around the pond.
In the evening
took a walk up to the
pond and heard the
first Swamp Sparrows.

After getting home
walked up the street
with John, Charles &
the Russells.

WEDNESDAY, APRIL 13, 1870.

Clear but windy and
cool. Thur. about 50°
60° - 54°.

Rose as usual.

After breakfast took my
bunch hound and
Dart and started for
the Grip meadows.

Put up seven birds
at the first rise but mis-
ed. Followed them up
and fired three more
shots killing one bird.

Then flushed four fresh
birds & got three two of
them at a double shot.

Got home at 2 P. M.

At 4 P. M. Farrar
called and we went
up to the pond and
took out a wherry.
Gallinago Wilsoni, saw
about a dozen & took
four.

THURSDAY, APRIL 14, 1870.

Clear and extremely warm for the season.

Ther. about 60° - 77° - 60° .

Rose as usual.

After breakfast went into Boston.

Carried in my brush loader and had the locks oiled.

Took a writing lesson at Combs' and got out at 12.

Went to the box factory to get my trays but they had been made wrong and I refused to take them.

For P. M. skinned the Snipe taken yesterday.

(Thursday evening W. B. called here with his horse & buggy we rode up through Belmont & W. Brookline. We heard four kinds of frogs at once. On our way home we stopped some minutes to listen for snipe, which at this season have been over the marshes, but there were none. The other day about 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, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

FRIDAY, APRIL 15, 1870.

Clear and windy
Ther. about 54° - 48° - 40° .

Clouded up in P. M. and got very cold.

For A. M. rode down to the Square and got half of my bird stands. The rest are to be finished Monday.

Ther. kept on down to Holmes' and got ten yeast boxes; occupied the rest of the day in making them into bird houses and putting them up.

Overstair garfish, that of mine and the 1st chamber were put down to-day.

SATURDAY, APRIL 16, 1870.

Clear in A. M. P. M.
cloudy and cold.

Road as usual.

After breakfast had the
mare harnessed and
mother drove me up
into Waltham. Walked
from there home getting
in at 6 P. M.

Took *Ceryx Virginianus*
in pair; *Phil. Minor* ;
Colaptes Auratus ♂;
Turdus Pallasi ;
Passerculus Savanna
Mclosk. Palustris ;

Searched in vain
for a Woodcock's nest.

Was not at all tired
by my tramp as the
weather was cool and
invigorating.

T. Pallasi (saw several,
Regulus Calendula heard.

SUNDAY, APRIL 17, 1870.

Cloudy and rained
nearly all day.

Thur. about 40°—
40°—40°.

Road as usual.

Attended church in
A. M.

Spent most of the
afternoon at W. Dean's.

The grass is now
green everywhere and
in the swamps has
grown several inches.

Saw a Robin building
this morning and
a Song Sparrow was
also seen by W. Dean
commencing its nest.

MONDAY, APRIL 18, 1870.

Cloudy and showered
most of the day.

Ther about 46° 44°
 40° .

Spent most of the
A. M. in skinning
the birds taken Saturday.
In P. M. went into
Boston to get my trays
but they were not
done.

Was invited to a
party at the Howards
in the evening but
did not go.

TUESDAY, APRIL 19, 1870.

Cloudy and rained
several times during
the day.

Ran as usual.
Spent the whole day
working on my bird
stands and finished
about seven.

Spizella Socialis,
heard several males
singing.

WEDNESDAY, APRIL 20, 1870.

Cloudy and cold.
Rained several times
during the day.

Rose as usual.
Spent the morning
till 12 on my bird
stands.

After lunch went
up to Mr. Hayward
with the General.

Found him in
and spent several
hours with him.

Bought five eggs
of *Cotopistis Migratoria*
six skins of *Curvirostra*
Am. & *Leucopetra*
a *Ph. Thim.* Hawk
& several *Redpoll* all
for \$2.00.

Got home at 5.30
P. M.

THURSDAY, APRIL 21, 1870.

^{On this date}
Bought some 12 eggs of the Wild Pigeon in
Boston market of a ^{man who I purchased them}
out of the dead bird ^{of the name of M. Gales}

Cloudy and sprin-
kled several times.

Thur. about 42° -
48° - 45°

Rose as usual.
After breakfast took
the car into Boston
and met Mr. Hayward.
Spent the A. M. with
him and he came with
me.

At 2 P. M. started
off with C. Carter.
Charles carried me
up to Belmont & we
beat the meadows down.
I shot three & he one
Snipe. I also took a
Night Heron and a
Swallow. *Nyctar. Gardin.*
saw numbers, *Ceryle Aleya*
saw one. *Accip. Fuscus*
saw one. *Pand. Gardin.*
saw one.

About 12 eggs Wild Pigeon bought in Bos. Market

Saw the Night Heron 15 or 20 in the Pine Swamp

FRIDAY, APRIL 22, 1870.

Clear and pleasant.
Rose at 5 A.M. and
was at the front at
6.30 to meet Mr. May-
nard but he was not
there having missed
the train. Walked
around the pond and
game birds having
taken *S. Palmarum* two;
Sphy. Varius, ♀ and
D. Palmarum ♂.

Got home by 11 A.M.
Spent most of the
P.M. on my birds
and did about
half of them.

Coccyzus Patrapa, very abundant
Sayornis Fuscus, building
Ardea Herodias, seen
Corvus Amer. nest two eggs
Scal. Ferruginus, still absent.
Hirundo Horr. seen on
Sphy. Varius, saw two

SATURDAY, APRIL 23, 1870.

Clear and a fine
day. Ther. about 60°
70° - 60°

Rose as usual.
Bro. A. M. went into
Boston and bought
a number of articles -
Magic ink, copy book
&c. Also got six eggs
of *Cotopistes Margaritatoria*
which Charlie brought
out for me in the
evening.

Got out at 2 P.M.
Spent the rest of P.M.
on the birds left over
from yesterday.

Left in the after-
noon took a ride with
V. Dearn.

H. Henshaw got
home this evening

SUNDAY, APRIL 24, 1870.

Scops asio, nest four eggs
Clear and pleasant.
Ther. about 60°—
70°—50°.

Rose as usual
and attended church
in A. M.

In P. M. went up
to Mr. Davenport's,
and went out on the
farm with him.

Found a nest of
Scops asio with four
eggs. Left the female
(a red owl) in charge
of another letter.

Rode up to Mr.
Maynard's and
spent several hours
with him. Upon
getting back to my
surprise, found Mr.
Henshaw at the house
and he stayed till 10.30.
He arrived last night

MONDAY, APRIL 25, 1870.

A. M. cloudy and
raining. Cleared up
in P. M.

Spent the morn-
ing working on
my bird stands.

After lunch went
down to see Mr. Hen-
shaw and spent the
afternoon looking over
his skins.

Came up on the
car with Mr. Deard and
brought up a ♂ *Petrochelidon*
citrea.

After dinner took
a ride and saw four
Snipe flying over the
Clackalis.

Pogonocherus
torus. *Albicollis*, heard
a male.

TUESDAY, APRIL 26, 1870.

Clear and pleasant.
Ther. about 50° - 65° -
60°.

Rose at 4.30 A.M.
and started off.

Went up through
Watertown and met
Mr. Davenport on the
farm.

Came down through
the meadows and
saw quantities of Chuk.
and fired several shots.

Took during the
day about fifteen

specimens and a
nest of six eggs of
Coccyz Americanus.

Was to have gone to
Concord with Mr. May-
nard but he could not go.

Amotilla varia, saw 5.
Spizella pusilla, saw 5.
Uro. Solitarius, saw 5.

WEDNESDAY, APRIL 27, 1870.

Clear and warm for
the season.

Ther. about 60° - 72° -
65°.

Rose as usual.
After breakfast went
to work on the birds
taken yesterday and
finished them by 2
P.M. when Henry H.
called.

We had the horse
harnessed and took a
ride up over Wellington
"Hill".

Henry took *D. Pinus*
and *M. Melodia* and
found a Partridge's nest
with one egg.

Bonasa Umbellus,
nest, one egg.

THURSDAY, APRIL 28, 1870.

Clear and the warmest day so far. Ther. about 65° - 80° - 70° .

Had a thunder shower in the evening and the rain came down in torrents.

Rose, as usual.

After breakfast went out to Boston and took a writing lesson at Comer's.

Bought a pound of powder and several other articles; also called to see Purdie.

In the evening called at the Horsfords but failed to raise any body after ringing for some time.

Confidorey Minimus
said 8

FRIDAY, APRIL 29, 1870.

Clear and pleasant. Ther. about 62° - 60° - 56° .

Rose, as usual.

Spent the whole day till dinner, painting my bird stands.

After dinner drove the mare up through Wattham and back.

Spent most of the evening writing.

The grass is growing rapidly, the horse chestnuts are dense with foliage, the cherry & peach trees are all blossoming out and everything most lovely and spring-like.

SATURDAY, APRIL 30, 1870.

Clear and warm
Spent the morning
painting bird studies
In the P. M. Henry
called, then Mr.
Purdie and Ruth.

After looking over
my collection, we
all took a walk up
through the swamps
where Mr. P. heard
his first Swamp
Sparrow.

Got back by
7 P. M.

Hirundo ~~Frontalis~~
Leucifrons, saw
several.

SUNDAY, MAY 1, 1870.

Clear but very windy
and dusty.

Attended church in
A. M. as usual.

Before dinner took
a walk up on the
reservoir with John
and Charlie.

Saw a Sparrow Hawk
In P. M. went out
with Mr. Dav. on
the farm and found
a Bluebird's nest
with four eggs.

The cherry & peach
trees are beginning
to blossom.

Sialia Sialis, nest
four eggs.

MONDAY, MAY 2, 1870.

Clear and warm
with a South wind
Spent the forenoon
in painting bird
stands at which
my ^{my} Henshaw assist-
ed me.

After lunch we
had the General
harnessed and
took a drive.

Took *Pipilo Cyp.* ♂.
^{my} *Harpor. Rufus* ♂. ♀
Zon. Alcock ♂.

Got back at 6.30 P.
M.

Pip. Cerythrus. saw
several.

^{my} *Harpor. Rufus*, saw a
pair.

TUESDAY, MAY 3, 1870.

Clear and warm.
Ther. about 60° —
75° — 70°.

Spent most most
of the day painting
stands.

In P. M. took my
gun and walked
around the pond.

Took a pair of
Merulitta Alana.

^{my} Heard both the
Rails in abundance
and several of *Pen. Aestiva*.
In evening J. A. Allen
and John & Charlie
called.

Chant. Telasgia: heard one
P. Aestiva, heard two
Rollus Virginia, several
Por. Carolina, heard sev.
Say. Teneb., mist three
eggs.

WEDNESDAY, MAY 4, 1870.

Clear but warm.
Thur. about 65°
78° 70°.

Spent the morning making bird stands.

Wrote most of the afternoon.

The cherry tree
are all in full bloom.

In the evening
went in to the
meeting of the
Nat. Hist. Soc.

After a spirited
discussion the
elected Mr. Hyatt
custodian over Mr.
Seward.

THURSDAY, MAY 5, 1870.

Clear and pleas-
ant. Made and
painted bird stands
in A. M.

In P. M. went
up to see Mr. May-
nard and spent
several hours with
him.

Came home through
West Newton.

FRIDAY, MAY 6, 1870.

Clear and warm.
Ther. about 60° -
 72° - 50° .

Rose at 3.45 A.M.
and went up
to the swamps.

Took *Tallus Vi.*
two δ and one σ , *B. Car.*
two σ and one δ .

Mel. Palustris, two
 δ and one σ , and *Actitua*
Bartramius δ .

Got back at 8 A.M.
and found Henry
here. He helped me
paint stands all
the A.M. and then
we went through the
birds together. Then
took a ride and vis-
ited our Partridges
nest which had
six eggs.

Actitua Bartramius

SATURDAY, MAY 7, 1870.

Cloudy. Rained
all the afternoon.
In A.M. met Mr.
Maynard at H.
Henshaw's and
spent several hours
there.

Coming home
called at the museum
and saw Mr. Allen.
In the P.M. my
bird case was sent
out, put up, and
printed.

Saw the evening
B. Dean galled.
The pear, peach
and cherry trees are
all in full bloom.

SUNDAY, MAY 8, 1870.

Cloudy and cold.
Ther about 50°-55°
50°.

Attended church
in A.M. as usual
In P.M. took a
walk up to the
jard with John &
Charles.

MONDAY, MAY 9, 1870.

Cloudy and cold.
Ther about 50°-60°
54°.

Spent the morning
working on my
birds.

After lunch went
down to H. Henshaw
and picked out my
series from his ships,
bringing home about
thirty birds.

TUESDAY, MAY 10, 1870.

Cloudy and cold.
After breakfast took
the "Waterloo" into
Boston, which Henry
met in the Port.
After buying various
articles he took me
in and introduced
me to Dr. J. M. Brews
Got out at noon
Spent the P. M.
changing my birds
to their new stands.

WEDNESDAY, MAY 11, 1870.

Cloudy and cold
Spent the whole
day in the house
working on my
collections.

THURSDAY, MAY 12, 1870.

Clear and a fine
day.

Felt quite sick so
did not do anything
during the day.

In the P. M. J. H.
Kenshaw called
to get me to go up
to Mr. Maynard's but
I did not feel well
enough.

FRIDAY, MAY 13, 1870.

Clear and a most
lovely day.

Spent the forenoon
in my collection.

In P. M. took a walk
up around Mt. Auburn
and found a few
jays, but just finished.

The apple trees are
in full bloom and
the birds began coming
to them with interest.

Quiraca
Luteovirens, Polioptila
Prigivorus, Vireo flavifrons
Vireo gilvus. Gen. April
of Se. Baltimore & Den. Arctica.

SATURDAY, MAY 14, 1870.

Clear and a fine day.

I spent most of the day in the house changing my birds out to new stands.

In the evening Chalie came down and we took a ride together up a road. Fresh pond

Prochilus Colubris

SUNDAY, MAY 15, 1870.

Clear and a beautiful day. The warmth of the season.

Attended church in A. M.

In P. M. went up to the Russells and spent the afternoon there.

Tyrus Novbor,
Parula Americana
Petophaga Punctella

MONDAY, MAY '16, 1870.

Clear and pleasant.
Spent most of
the day on my
birds, putting
my traps into
the case.

Dr G. M. rode
up to Mr. Maynard's
and spent the
afternoon with
him.

TUESDAY, MAY 17, 1870.

Clear and pleasant.
Spent the A. M. on
my birds.
Dr G. M. rode down
to the Fort and
got Mr. Henshaw
and went to our
Hartbridge's nest.
Got three eggs from
it.

Shot also seven
birds, *D. discolor*, 3 ♂,
D. Virens, a pair, *B.*
Nov. 3 and *Vireo Nov.*
3. Found a *Chit-*
dei's nest with one
egg.

Vireo Novbor.
Vireo Novbor. abndt., *Tund.*
Fringilla, *Myiost.* *Busillus*
Dend. Discolor, *abndt.*

WEDNESDAY, MAY 18, 1870.

Clear and pleasant.

S. Nicias, ov.
H. Chrysoptera, thris.

THURSDAY, MAY 19, 1870.

FRIDAY, MAY 20, 1870.

Ag. Hyemalis, nest done
Mel. B. lustris, nest 2 eggs

Coccyzus *Ar. S.*
Syrnium *Rubra*, ♂
Corytopus *Virens*, one
My. G. pusillus, three
My. Canadensis, one

SATURDAY, MAY 21, 1870.

Coccyzus *Erythrus*, ♂
Prisodolosa *Tigrina*, ♂
Cyanos. *Cyanus*, three ♂
Dend. *Striata*, about



SUNDAY, MAY 22, 1870.



MONDAY, MAY 23, 1870.

TUESDAY, MAY 24, 1870.

Cloudy and cold.
The sky has cleared by
midnight and at the
break of dawn
and spent the
day in the swamps
with him.

In Carolina, nest
seen in
East. ~~Virginia~~ pair
building
But in Virginia
nest four fresh eggs.

WEDNESDAY, MAY 25, 1870.



THURSDAY, MAY 26, 1870.

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FRIDAY, MAY 27, 1870.

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SATURDAY, MAY 28, 1870.



SUNDAY, MAY 29, 1870.

MONDAY, MAY 30, 1870.

Quercus flavifrons, nest
in oak, four fresh
eggs.

Butoranga kenticula
one nest one egg
in low alder, another
two eggs in raspberry
bush.

Dend. Penn. nest
one egg.

Galvooe, Carolin.

nest three fresh.

Cont. Virg. nest
one third done.

Vireo Olivaceus,

nest commenced.

Took the 7.30 train

for Hudson, with

Mr. Gardie. Spent

the day there visiting

place.

Mni. varia, nest five fresh.

Car. Swainsonii, took

one.

Coccy. Bay. nest two fresh.

TUESDAY, MAY 31, 1870.

Emp. Minimus, nest
four fresh.

WEDNESDAY, JUNE 1, 1870.

Guiraca Ludovici,
nest four fresh.

Tur. Nuptialis
nest four, laid a week
nest three fresh.

D. Fuscescens, nest
three fresh.

Geoth. Trichas, nest
four fresh.

Colap. Auratus, nest
eight few days laid,
nest seven fresh.

THURSDAY, JUNE 2, 1870.

Dend. Striata, saw
several but they have
nearly all gone.

FRIDAY, JUNE 3, 1870.

Spizella Cobitis
nest nearly finished

Vireo h. h. nest
three fresh.

Dend. Penn. nest
one egg fresh.

SATURDAY, JUNE 4, 1870.

Picus. Auro. nest
two eggs fresh.

SUNDAY, JUNE 5, 1870.

MONDAY, JUNE 6, 1870.

Turdus Falgatus
nest three fresh eggs
at Concord Mass.

Uru Olivaceus
nest one fresh egg.

Tyrannus C. C.
nest nests on Concord
river two fresh eggs.

Picus A. A. nest
four eggs few days.

Colaptes auratus
three nests; nearly
half hatch.



TUESDAY, JUNE 7, 1870.

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WEDNESDAY, JUNE 8, 1870.

[Faint, illegible handwriting on the right page]

THURSDAY, JUNE 9, 1870.

Circle Aleyou.
might sweep feet in
spring feet days
old. J

FRIDAY, JUNE 10, 1870.

SATURDAY, JUNE 11, 1870.

^mTrochilus Colubus
nest empty hatched
young bird & rotten
egg; ft.

SUNDAY, JUNE 12, 1870.

^mTrochilus Colubus
nest two fresh eggs.
Dend. striata heard
a male on Sparks
St.

MONDAY, JUNE 13, 1870.

Dend. Discolor.
two nests one two
newly hatched young
another with five
eggs well advanced.

Har. Rufus, nests
with three each fresh.

Minus Carolin.
several nests fresh

Bialia Bialis,
nest five fresh.

Spizella Socialis,
nest four fresh.

Coccy. erythrops,
nest three young
week old.

Spent most of
the day on the
hill. Got wet to
the skin coming
home.

Por. Carolina, nest
thirteen eggs, six fresh
rest well advanced.

TUESDAY, JUNE 14, 1870.

Circus Chionurus
nest four fresh.

WEDNESDAY, JUNE 15, 1870.

Sisk. Tuticilla, two
nests one four fresh
days sat upon other
three nearly hatch.
Coccy, Cr. two
nests one two large
embryos, other two
fresh.

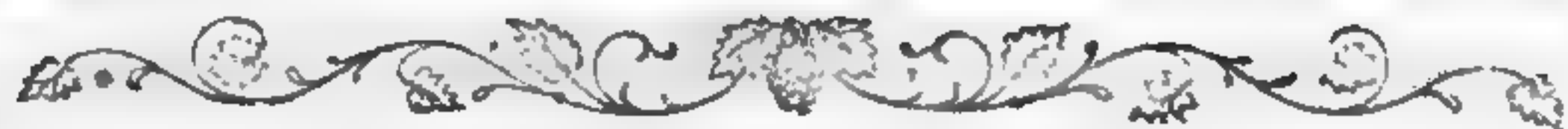
THURSDAY, JUNE 16, 1870.

Dend. Ferr. nest
four well advanced
Pipilo Cr. nest
two young fully
fledged.
Coccy. Australis
nest four fresh.
Spent the day
in Wat traps
with Frank & Ann.

FRIDAY, JUNE 17, 1870.

SATURDAY, JUNE 18, 1870.

Mel. Palustris, two
nests one four eggs
well advanced,
other one fresh egg.
Sor. Carpalina, nest
two eggs just hatch-
ing, first of young
shorn eyes roughed.
Dend. festiva, nest
with two fresh and
Nototh. Georis.



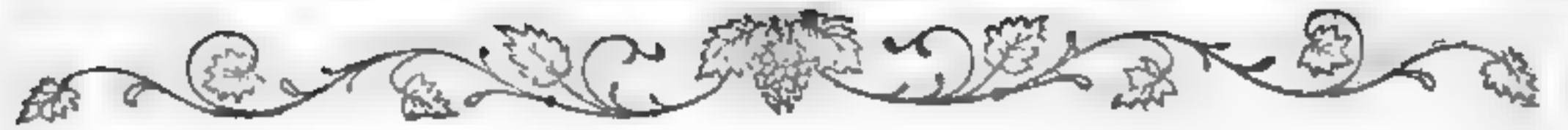
SUNDAY, JUNE 19, 1870.



MONDAY, JUNE 20, 1870.



TUESDAY, JUNE 21, 1870.



WEDNESDAY, JUNE 22, 1870.

THURSDAY, JUNE 23, 1870.

Scopsie, found
a brood of young
out of the nest
and fully fledged.

FRIDAY, JUNE 24, 1870.



SATURDAY, JUNE 25, 1870.

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SUNDAY, JUNE 26, 1870.

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MONDAY, JUNE 27, 1870.

Monday in
A. M. Clear in
P. M.

Took the 8 A. M.
train for Hyannis
arriving there at
11.45 P. M.

Spent the afternoon
wandering about
picking up shells
4.30 if

TUESDAY, JUNE 28, 1870.

Clear and warm.
Spent the day
trying to get Capt.
Coffey to take us
over but he did
not get started till
2 P. M.

Got out a few
miles when a
showing rose and
drove us back.

WEDNESDAY, JUNE 29, 1870.

Clear and hot.
Got off this morning at 6.30 A.M.
Dred made.
Muskigt by 11.30
Came out through
the shoals on the
East side.
Got our traps
ashore by wading.
Broke into a
haul and made
ourselves at home.
Spent the rest of
the day collecting
and got about 200
eggs and a few
birds.

Spent the first
part of the night
trying to get asleep
but did not but had to
spare; slept two hours
only, on account of
mosquitoes.

THURSDAY, JUNE 30, 1870.

Cloudy with thick
fog all P.M.
Spent the whole
day collecting.
In P.M. skinned
about twenty birds
and a few mice
Slept sound all
night in the bunk
with Maynard.

FRIDAY, JULY 1, 1870.

Cloudy and clear
alternately.

Blow a heavy
gale all day for. g.
Spent the
day working hard
and did some
of our heaviest
collecting.

Saw 3. P. skun-
ned about 37
birds and shot
two Owls.

Slept to night
till Sat. morning

SATURDAY, JULY 3, 1870.

Clear. A. M. water.
P. M. stiff breeze.
Rose to sea at
at daybreak and
tramped hard
all the forenoon
getting in Owl
and 14 Laughing
Gull's eggs.
Happily engaged
passage in air
Edgartown egg when
the Captain gave me
right. Canoe bound
with a stiff breeze
reaching Hingham
at 7 P. M.

SUNDAY, JULY 3, 1870.

Cloudy and cold
Spent the day
lopping about the
timber.

Proceeds of trip.

	Eggs	skins
Ch. Stri.	43	13
Bra. Cass.		4
Zen. Carolin.		1
Sterna Hir.	436	13
" Jar.	436	13
" Arctica	222	14
Sitta Canad.		1
Ag. Melod.	4	4
Spin. Macular.	5	
Colap. Auratus	3	
Arvic. Breweri		13
		1149-78

Expense of trip.

\$15.00 each. Provisions
bought at Hyannis: 10 lbs
hard tack; 6 lbs. cheese, 4 lbs.
brown sugar, 2 lbs. mixed beef,
4 lemons & salt, carried 12 lbs. Soapstone

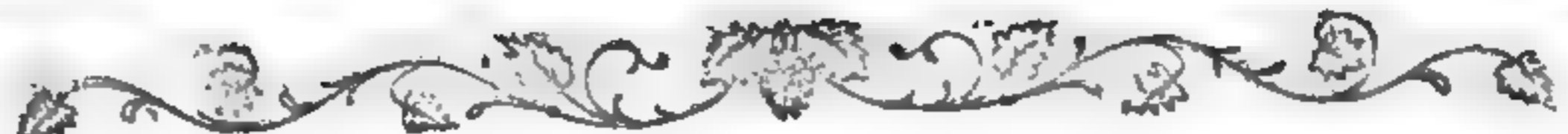
MONDAY, JULY 4, 1870.

Clear and cool.
Took the 5:40 A. M.
train from I arriving
in Boston at 9:30.
At once went in
for my trunk and
had a hard time
maneuvering my
horse.



TUESDAY, JULY 5, 1870.

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WEDNESDAY, JULY 6, 1870.

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THURSDAY, JULY 7, 1870.

An entry under this date in the journal of Chas. M. Carter gives an account of my shooting a Carolina Rail about 5 o'clock this morning in the swampy hollow lying just to the westward of the Cambridge Reservoir on Highland St. An earlier entry in Carter's journal describes at some length bird voices which were heard by him in this swamp on the evenings of June 29 & 30, 1870. The notes heard on the 29 he describes as sounding like a Guinea-hen's & a Kadall uttered many times. This, of course, was the song of the W. Rail. The note heard on the 30th was "a thir or whir" & was a ~~description~~ description of the Carolina Rail. Carter says that he saw me kill the Carolina Rail that this morning & that I considered it an adult, with these downy wings of heavy downy feathers.

(W. B. See, 1906)

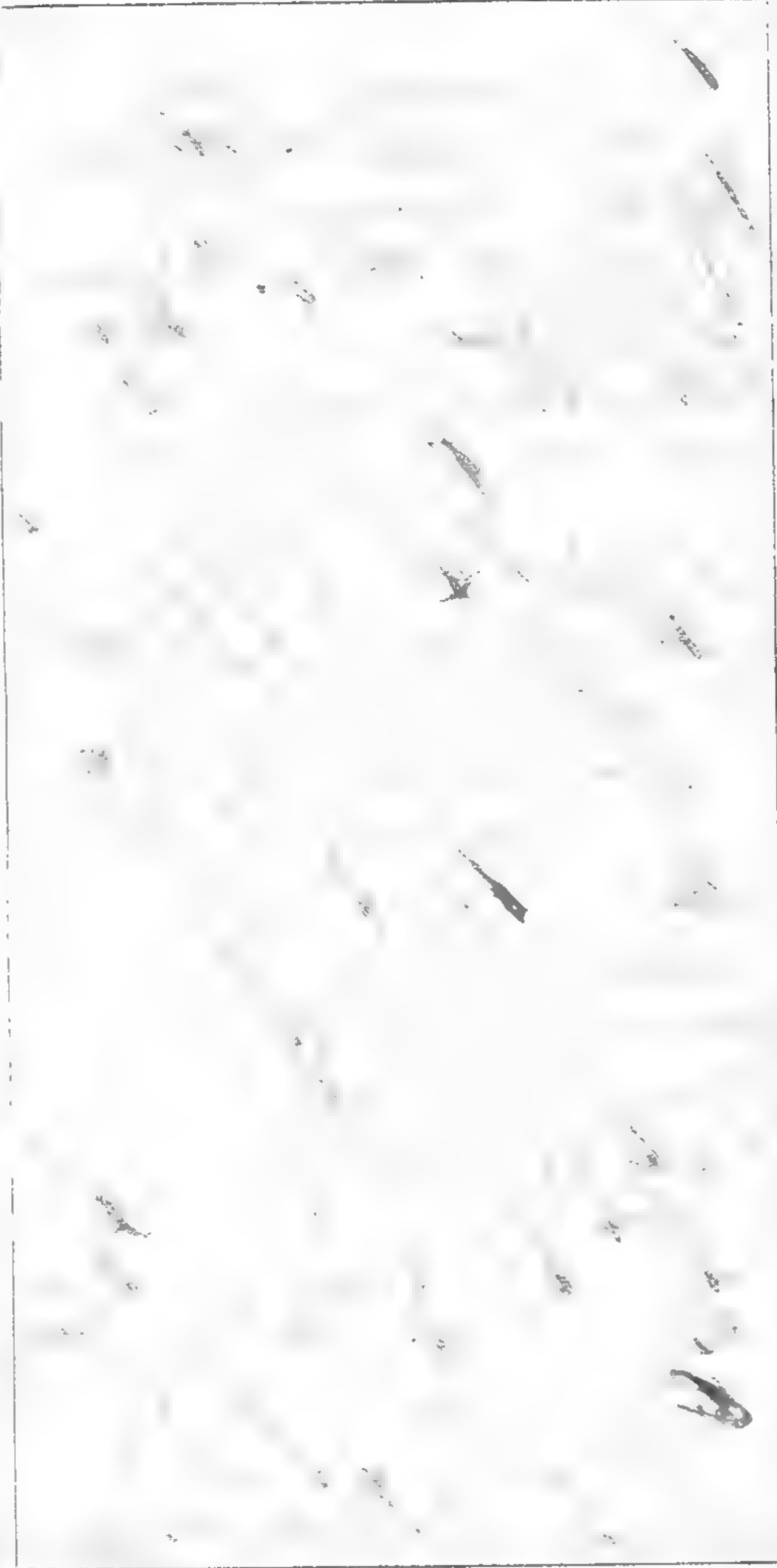
FRIDAY, JULY 8, 1870.



SATURDAY, JULY 9, 1870.



SUNDAY, JULY 10, 1870.



MONDAY, JULY 11, 1870.

Clear and one of the hottest days of the season.

Took the 7.30 train for Ipswich. Mrs. Woodbury was at the station & took me up to the sand hills. Looked for Waynard but did not meet him.

Took three birds & seven eggs of *S. Tru.* Went back to the house at 2. After dinner took two birds & eggs of *S. Tru.* & a bird of *S. Hirundo*.

Salv. Chroi, Bon. Lar. Arg. Aras Obscura, Moe. Giseus, Ac. Minutilla One nest of *S. Tru.* with young bird & nearly hatched egg.

TUESDAY, JULY 12, 1870.

Cloudy in A. M. P. M. clear.

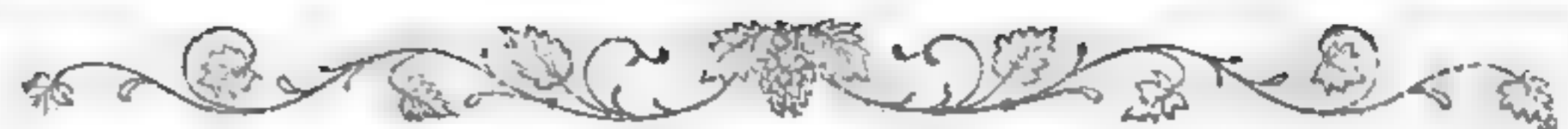
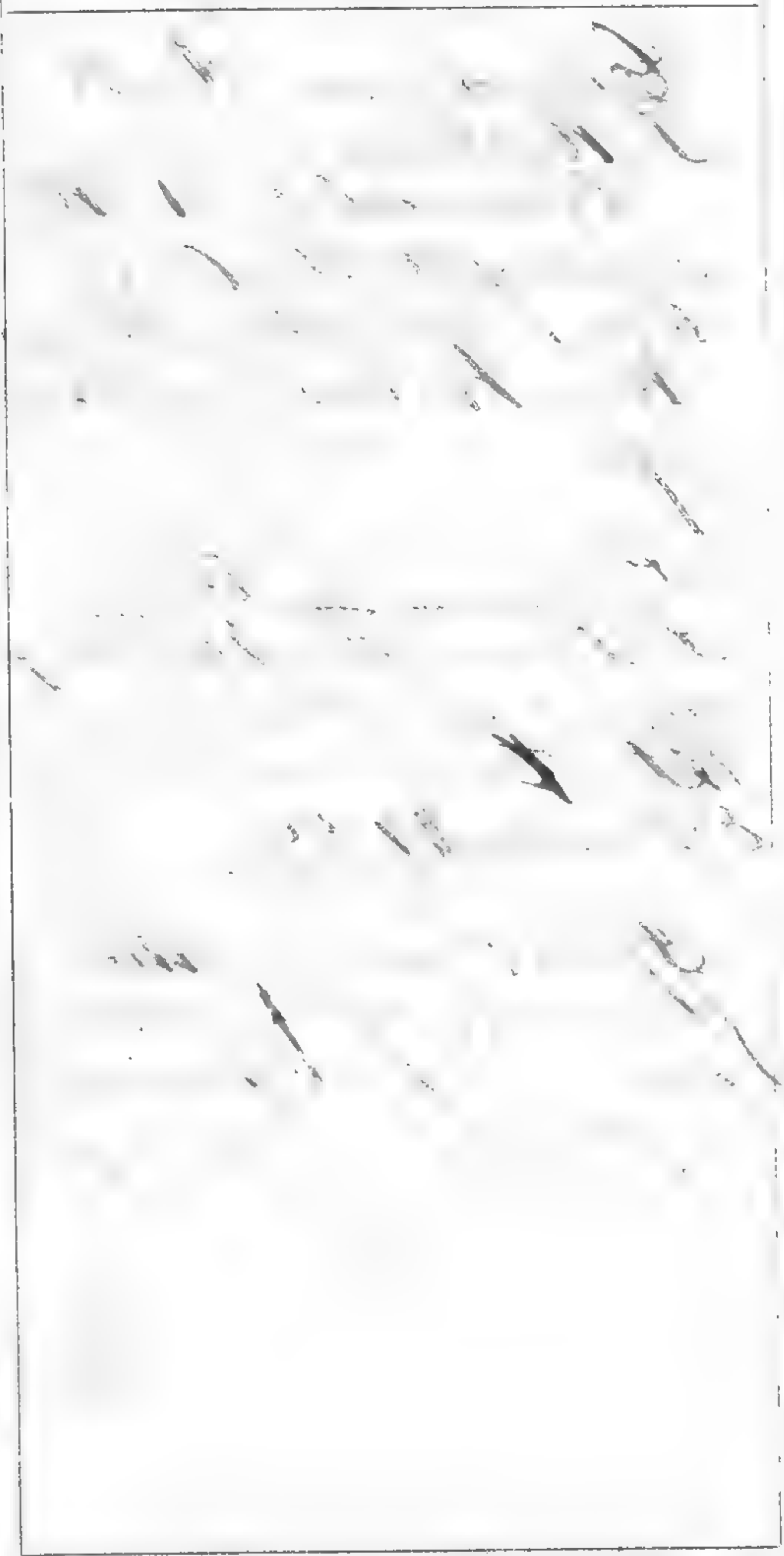
Rose at 5. A. M. and got the 7.30 train at the village Mrs. W. taking me up.

Proceeds of trip.
S. Tru. 4 nests, 9 eggs & five birds.
S. Hirundo 1 bird
Expenses \$4.50.

Spent most of the forenoon after getting home in repairing my birds.



WEDNESDAY, JULY 13, 1870.



THURSDAY, JULY 14, 1870.





FRIDAY, JULY 15, 1870.



SATURDAY, JULY 16, 1870.



SUNDAY, JULY 17, 1870.



MONDAY, JULY 18, 1870.

TUESDAY, JULY 19, 1870.

WEDNESDAY, JULY 20, 1870.

Woodcock Hunting in Little Pond Swamp

"I went down to see Will Brewster & we arranged to start Rail shooting about 1 P.M. He came up here about that time; we beat around through the swamps but could not start a single rail. We came to a small patch of trees & bushes located in the middle of the big swamp. We had stopped there some minutes to eat our crackers when I fired at a blackbird & up went a Woodcock quite near W.B. We hunted around a good while but could not start him again. We then went to the woods in the swamp near the glacier on the East side. There I got a flying shot at a Night Heron & killed it dead. At the same time up went a Woodcock which Will took a snap shot at and missed. Dart the dog (a pointer) soon brought in my heron. We set Dart to work and I soon got a shot at another Woodcock but missed. We together got 2nd shot and Will got a bird & I got one. I had a splendid shot at a fine old male which Dart pointed fine, but I missed, I suppose, as we could not find the bird nor start it again. Will thinks there were only 3 birds in the woods & that we killed them all, the 2 which we got & the old male not found. We waited till nearly 8 o'clock on the R.R. tracks for night herons but only saw a few and got a double."
(Copied Dec. 12, 1906 from an entry in Charles W. Carter's journal under date of July 20, 1870. The small patch of trees & bushes mentioned, was I think, that on the little island in the Brick yard Swamp, W.B.)

THURSDAY, JULY 21, 1870.

Woodcock Shooting in Pine Swamp.

"W. B. and I again started for the woods at 9 a. m. but we found not a Rail nor even a Woodcock in the same woods.

We went around to the Pine Swamp and were coming along the lane when we saw a man with a gun walking around in the woods and at the same time Dave pointed a Woodcock & started it up.

It flew right towards the man & dropped near him but he did not see it. We

waited some time in hopes the man would leave the woods, but when he got

out of sight among the bushes he fired a shot but we could not see anything. I then went

into the woods & put up the Woodcock & shot him; the man was within 30 yards of me

but he did not say anything. I saw he had a dog & was evidently after Woodcocks.

In the same woods we met Harry Greenough a friend of W. B.'s who walked all the

way home with us. He had an Irish Setter but was not shooting.

(Extract taken Dec. 12, 1906 from journal of C. H. Carter under date Thursday 21st July 1870. W. B.)

FRIDAY, JULY 22, 1870.

"This morning about 11 o'clock I went down to Will Brewster and Harry Greenough was there. We stayed there till about 2 P. M. talking & looking over Will's birds' eggs &c.

We had dinner at 5 o'clock and at 5.30 just as I was through dinner W. B. came

up and we walked up to Fresh Pond and took out his boat; we soon saw a

Kingfisher which I killed after firing two shots. He got shot all around the pond

and Will got a double shot at 2 peeps and killed 1 and I fired at the 2nd one

but also missed. Very soon after a Kingfisher came along and I brought

him down with 1 shot. A minute after W. B. shot another peep. When it was

growing dark we took about 6 shots at bats and could not bring one down.

Will shot a Chipping Sparrow on the way. He came in about 8.50"

(Extract copied Dec. 2, 1906 from journal of C. H. Carter under date

Friday July 22, 1870 - W. B.)

SATURDAY, JULY 23, 1870.

Trip to Concord.

This morning I waited home till 9 o'clock when Will Redwiler drove up here with his horse & buggy. I took my gun & some ammunition. We drove up by Chelmsford over to Concord & back by way of the Cascade. We had a very pleasant drive up to Concord, which we reached at 12 o'clock. We went to Dan French's and found him & his father busy at work on a flat bottom shoving boat which they are building for Dan's use. It seems to me to be as good a pattern for a shoving boat as I have ever seen; it is 15 ft. long & about 30 in. wide (slump at both ends) & 12 in. deep like this



The bottom is 3/4 in pine board & sides 1/2 in pine board. Both ends are tipped with oak and the board around the edge is oak; knees are oak & bolted on by a block with.

We took dinner at the French's and soon after 2 P.M. I went down to the river and had a swim. We started for

Cambridge at 5.30 P.M. and arrived at

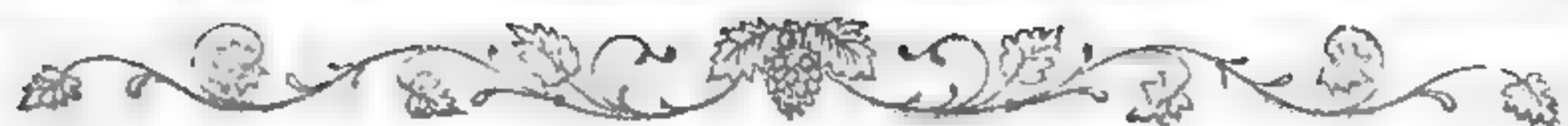
Concord at 8.00 P.M.

The drive home was very pleasant and cool. Thermometer in shade to day was 93°

(Copied from journal of C. M. Carter under date Saturday July 23, 1870 by W. B. on Dec. 12, 1906)

SUNDAY, JULY 24, 1870.

In a list of birds that by C. M. Carter on p. 200 of his journal I found mentioned a yellow-winged sparrow killed by him in Lexington July 23, 1870



MONDAY, JULY 25, 1870.



TUESDAY, JULY 26, 1870.

WEDNESDAY, JULY 27, 1870.

THURSDAY, JULY 28, 1870.

Went up to camp,
Took the 8 o'clock
train from the Lowell
depot and arrived
at Plymouth at 1
P.M. Took dinner at
the Perry house and
started up the valley
at 2 P.M. getting up
to the Profile House
at 7.30. Fare upon
railroad \$4.15. Stage
fare \$4.50. Board at
Profile \$4.50 per day.
Sp. *varius*, *S. pallasi*,
S. migratorius, *C. curvica*,
M. P. ..., *M. Mel.*,
Syr. Carolin., *Hirundo*,
Vireo, *... ..*,
Col. riparia, *Zon. albicollis*,
Junco hyemalis, *Cor. americana*,
Spiz. socialis, *Ch. trich.*
Thir. macularius, *Bery. cicepon*
coming up the valley, & hold
the woods.

FRIDAY, JULY 29, 1870.

Cloudy with heavy
showers at intervals.

Spent A.M. in house.

P.M. cast net on the lake
Took two small fish. Was
well paid however by a most
lovely sunset, the dripping
rocks of Eagle cliff being
for a few moments lit up
with light, while
out grew the dark oak woods
lower down on the mountain
came the brilliant notes
of the Hermit Thrush and
the exquisite melody of
the Winter Wren.

Curviro. Am. & Leucophaea
flying about continents in large flocks.
Zonotrichia albicollis, sing very loud.
T. pallasi, sing sunset & sunrise.
Anor. hyemalis, sing morning
and evening.

SATURDAY, JULY 30, 1870.

Cloudy with occasional
showers. Went out with
my gun at 11 A.M.

Took Bend. caeruleus
(did not find him) D. Virens
& D. Blackburnianus adult ♀
and T. Swainsonii ♂.

The dinner skinned my
birds. At 4 P.M. went
down to Echo Lake with father
and caught six fair sized pickers
the largest half pounder. At
7 P.M. the setting sun threw
a prismatic light through a
cloud into the mountains coloring
them dark red. (Saw Bend. Virens,
Blackburnianus, caeruleus &
singing) T. Swainsonii My.
Canadensis, An. cedrorum. Certh.
albon. Ch. pin. & Titus canadensis
T. migratorius (nest young)
Zonotrichia querula (male drumming)

SUNDAY, JULY 31, 1870.

Clear and rather
warm for this place.

In A. M. went down
to the great breeding
ponds.

In P. M. wrote
letters.

Took Philadelphia
saw a brood following
the mother of
Empidonax flaviventris
heard a male.

MONDAY, AUGUST 1, 1870.

Clear and rather
warm. Heavy shower
in the evening.

Rose early and getting
the 6.30 breakfast, took
my gun and went
down to the valley.

Took during the
forenoon *C. f.* three, one
adult & two young. Saw
Empidonax flaviventris, *L. f.*
virginiana, two young
C. f. one young
S. f. one, &c.

My. canadensis, two young
Got back to the boat at
Empidonax flaviventris, took a pair
young, one young. *C. f.*
Two look good, appeared able
to fly. Saw *S. f.* one, one
striped tick, one, one, and
one of very high & shrill.

TUESDAY, AUGUST 2, 1870.

Clear and pleasant.
On A. M. stuffed the
five birds left over
from yesterday and
took a horseback ride.
On P. M. went down
to the lake and took
twenty seven good trout
fishing with bait.

My. solitarius, saw
one on P. lake.

WEDNESDAY, AUGUST 3, 1870.

Clear and warm.
Rose at 6.30 had an
early breakfast and went
down the valley with my
gun. Took *O. flav. fiv.*
two adts. three young.
Dend. caeruleus, three
one young ♂, young & adt ♀.
My. Canadensis, young.
Ac. fuscus young ♂.
T. G. Gairdneri one ♀, none seen.
Geothlypis Philad. ♀.
Crows heard several
flocks. *O. flav.* took several.
Regulus satrapa, heard several.
Ac. fuscus, took a young ♂.
Lepus . . . saw none.

THURSDAY, AUGUST 4, 1870.

A. M. cloudy and
rainy most of the
time. P. M. clear.

Spent the morning
on the birds taken
yesterday.

In P. M. went
down to the lake and
took one fish with
the first spe of them
quite large. Had
a number of "wre."
and took many
others with fish.

FRIDAY, AUGUST 5, 1870.

Clear and warm.
Rose early took a
6.30 breakfast. I went
down the valley with
my gun.

Shot 6. Saw one;

D. maculosa, young ♀;
D. carolinensis, imm ♂ imm;

H. n. capilla, adult ♀ y.

Started a Black
duck from Profile Lake.
Got back at 12.

In P. M. went down
to the lake and fished
till sunset with bait
taking only eleven fish.
Setophaga ruticilla imm ♂.

Anas speciosa var. com.

SATURDAY, AUGUST 6, 1870.

Clear and pleasant.
Son A. W. went to
work on the bird station
yesterday but found
them nearly spent so
did only 10. Saw D.
mac. and a pair of D.
saw.

Son F. W. went down
to C. Lake and took
them picture. Hooked
a very large one but
lost him.

SUNDAY, AUGUST 7, 1870.

Clear and the warmest
day and evening that
we have had.

Read most of morning
and attended service
in the parlor at 11. A.
Saw in the afternoon
walked down to
Cold Mt. and ascended
it: no view on account
of the haze.

MONDAY, AUGUST 8, 1870.

Clear and windy.
After breakfast took
my gun and lay in
wait for a Cooper's hawk
at the foot of a dead
tree on the side of Eagle
cliff but although several
appeared near me I did
not get a shot. Tell a very
successful hunt.

TUESDAY, AUGUST 9, 1870.

Clear and warm.
In A. M. went down
to Profile Lake and
to my surprise met
Arthur Eastman, with
two companions who
were tramping with
horns through the Mts.
In P. M. went down
to the Lake but caught
only two fish.

WEDNESDAY, AUGUST 10, 1870.

Clear and warm.

Mr. A. H. went
down to C. Lake &
got a swim.

In the afternoon
went down to French
Lake and took
five trout fishing
with bait.

Ed. French came
to day.

Vireo gilvifrons, heard
a male singing.

THURSDAY, AUGUST 11, 1870.

Clear and rather
warm.

Went out soon
after breakfast & took
eight birds. D. Black-
burnian abt 8 & 9 Star-
young, Sitta Can. 2, y.
D. maculosa 2, y.
Pic. pubescens abt 8 & 9.
alcipar 2.

Spinned my birds
in P.M.

Ch. tristis had a
male.

Pic. pubescens took a ♂
" villosus heard one.
Carpodacus, heard
a large flock.

FRIDAY, AUGUST 12, 1870.

Rained hard
all day.

Went out on
the lake after break-
fast but the rain
drove me in, after
having fished an
hour without getting
a single bite.
Spent the afternoon
preparing up.

SATURDAY, AUGUST 13, 1870.

Clear and cool.
Took the coach down
the valley starting at
7. Got to Plymouth at
12:10. after a most
delightful ride, I on-
ly as usual.

Left Plymouth at
1 and got into Boston
at 6:20.

Came out on
the baggage with
Chas. and found
all right at home.
The weather is forth
last two weeks has
been so high, but not
here, but at the
Mts. we have not
seen them there above
81°.

SUNDAY, AUGUST 14, 1870.

Clear and quite
cold. Had a heavy
snow last night.

~~Letta Candensis
took an adult ♂
in our yard. several
were seen in Newton
a few days since~~

MONDAY, AUGUST 15, 1870.

Letta Candensis
took a adult ♂
in our yard, several
were seen in Newton
a few days since.

TUESDAY, AUGUST 16, 1870.

Very cool.

Saw many
saw as many as
six in our garden.

WEDNESDAY, AUGUST 17, 1870.

Clear and warm.
Went up to
Katharine's A. M.
and went for book
but did not succeed
in getting any.
Spent the afternoon
evening.

THURSDAY, AUGUST 18, 1870.

Clear and a very
hot day.

Rosey at 5. and
got off by 6.15 A.M.
and got to Andover
by 9. Passed through
Medford, Stoneham &
Reading. distance
20 miles. Saw to South
does. Left dinner at
Junt Louisa and
left at 3.15. Got to
Amesbury at 7. Suffered
much from the heat
and fatigued after.

Passed through N. Andover
and "Barre".

Put up the horses
Mrs. Andrews' house
and went down to
much "boring".

FRIDAY, AUGUST 19, 1870.

Clear and warm.
Rosey at 7. A.M.
Had one of my tires
taken off put fresh tires
and re-welded.

Got off at 9 and reached
Rye by 12. Passing through
Amesbury Hills, Gabor,
"Hampton Falls, and
"Hampton". distance
22 miles.

Spent most of the
P.M. at the house.
Saw George Sawyer
at the "Haragat" in
the evening.

Gambetta "Hairs"
saw several.

SATURDAY, AUGUST 20, 1870.

Clear wind South.
Went at 4.30 P.M.
and went out on
the marsh. Got
three *Canis* in the
bag, one *Tell. lat.*
and a *boob* which
I got out of the
marsh and shot
my first *boob*.
Booby *plum.*

Gambella flaviventris
a *booby* *plum.*
Sca. helophila, *boob*
an *adit* *Q.*

SUNDAY, AUGUST 21, 1870.

Clear and very
cool.
In A.M. called
on *booby* *plum.*
N. *booby* *plum.*
down last night.
Battled at the *booby*
plum. *booby* *plum.*
N. *booby* *plum.*
padded over with *booby*
to *booby* *plum.*
booby *plum.* *booby* *plum.*
at the house.

MONDAY, AUGUST 22, 1870.

Clear with N. West
wind. Went out on the
marsh as usual. Had
the usual breakfast and
went down and
saw a few yellow
legs. I saw a few
more of the same
kind.

In the afternoon
I went with my
father and got
a few more of the
same kind.

Sp. P. ...
... ..

TUESDAY, AUGUST 23, 1870.

Clear. Went out on the
marsh as usual.
Got a shot at three
Geal, stopped two but
got only one.
Fired about twelve
times at a Gube and
finally got him.

WEDNESDAY, AUGUST 24, 1870.

Chas. Went out on
the marsh and shot
only a few birds.

Spent the afternoon
at the house.

Drove down
in the 5, 45 coach.

Went out to the
sea in the
evening.

Saw a Phalarope in the
Salt Pond alternately swimming
and wading in the shallow
water near shore. I had
no gun with me at the
time and hurried back to
the house to get one but
when I returned the bird
was just in the act of
flying off & I failed to
get a shot. At the time I
called it *Podiceps hyperboreus*; I now think

It was probably *Steganopus tricolor*

THURSDAY, AUGUST 25, 1870.

Chardy and I saw
a little
Went out on the marsh
with Dan but did
not collect or see
shot. Neil Gair's shot
a full train.

For J. M. went fishing
and got about twenty
pounds of perch.

FRIDAY, AUGUST 26, 1870.

Clear and very windy.
Went out on the
marsh as usual.

Shot two Seal and
Dan, a Fall tal.

After breakfast went
out and shot one

Yellow legs. So, Dan
parted and in accident.

8. In P.M. took a
ride over to Hamilton
with Dan and had
a fun time.

In evening went up
to Head hall to a Negro
musical performance.

SATURDAY, AUGUST 27, 1870.

Clear and very cold.

Rose at daylight
and went out on the
marsh. Caught on to
a flock of about twenty
Seal and although
I shot a shot; then Dan
shot a Marsh hawk.

Then Dan shot two
Seal with a fall sword.

After breakfast we
went out again and

Dan shot three more
Seal at a time and

I took one above as
they flew over my

head.

Shot two Seal and Marsh
hawk.

Since Hadron's, we
tried to pick up some

my Tom's and I of
jip.

SUNDAY, AUGUST 28, 1870.

Clear and warm.
In A. M. went over
to the Ocean house
bathed at 11, water
very warm.

MONDAY, AUGUST 29, 1870.

Cloudy and still
Went out on the beach
with Dan as usual
but saw nothing.
In P. M. went over
to Little bears head
and went out fishing
with Jim Estwood.

TUESDAY, AUGUST 30, 1870

Clear with gentle
wind.

Started at 9 A.M.
and went over to
the Shoals with Mr.
Davis and daughter.
Spent an interesting
morning and afternoon
at the Shoals. Star wind.

Got back at 4 P.M.
and sitting lunch
dressed up Sunday
afternoon at 7.30

WEDNESDAY, AUGUST 31, 1870.

Rose at 5 A.M.
and getting breakfast
got off by 8.30.

Reached Cambridge
by 12 and soon after
Dart went out.
In P.M. went into
Boston and bought
some shot, a fly box
and a dozen new
flies.

THURSDAY, SEPTEMBER 1, 1870.

Clear and pleasant
Took the 7.30 train
on the Eastern, changed
cars at Portland, took
the Portland & Kennebec,
changed at Augusta
(where we crossed the
river in wagon), and
arrived at Newburg
at 6

FRIDAY, SEPTEMBER 2, 1870.

Clear and warm,
Started at 7.15 on
the stage and after
a hard days ride
got to the Forks at
6 in the evening
Lived at the wagon
Pigeon & Bell's and
I got the horse
Found our party at
the hotel, they had
killed five Scaup
and two Broad winged
hawks.

SATURDAY, SEPTEMBER 3, 1870.

Cloudy and rained several times. Took the Quebec stage at 8 and riding for 7 miles, walked down to Salmon stream. On the way down shot four Pigeons at a shot and a single one that did not get. Mr. H. & Co. fished till 11.30. and got a breakfast. I shot my first Canada Jay. Getting out shot three more Pigeons on a small flying shot. Had to walk home, 5 miles on an empty stomach as we had had no dinner.

Possibly some can be made by to some. Send back, Sol. ferruginus, Rhy. white, Ardea herodias, or some other.

SUNDAY, SEPTEMBER 4, 1870.

Clear. Spirit the day at the Yorks. Mr. Russell preached in the afternoon.

MONDAY, SEPTEMBER 5, 1870.

Clear. Started
in to Noyah at
9 A. M. and got to
the dam at 12.

After dinner went
up the pond and
made the camp
at Murgute outflow,
six miles up, by 6
P. M. Found several
spots at ducks and
killed a bittern

Ed. killed a very
large black duck.
Spent the night in
the logger camp with
elven besides our party.
Scolopax semipalmata
H. h. varius several
Anas obscura, several
Merganser several

TUESDAY, SEPTEMBER 6, 1870.

Clear but cool.
Rose at daybreak
and went down to
the narrows. Shot
a Woodcock flying.
After breakfast
took to our boat and
rowed up to the head
of the pond.

By 3 P. M. went up
to Beckers pond and
saw the track of a
Carabon. Got back
by 5. In evening caught
about forty pounds of
trout. Spent the
night in an open
camp.

H. h. varius
Scolopax semipalmata
H. h. varius, several
Gallinula trichas, several

WEDNESDAY, SEPTEMBER 7, 1870.

Clear and cool.
Rose at daybreak
and went out on
the river fishing. Ed.
caught a ~~fish~~ trout.
After breakfast started
for home and by
noon made the
foot of the pond having
shot a Fish hawk.

Had dinner and
got out to Murray's
by 5.30. I shot a
Partridge and a
Br. wing hawk on the
way out. In evening
saw several very
poor

Empidonax forsteri, *Ch. pinus*
Sitta Can., *Dend. striifrons*
Cy. cristata, *Pand. Can.*
Ardea herodias, *Tur.*
Swainsonii, *T. pallasi*
Sir. sparverius, *Par. atr.*

THURSDAY, SEPTEMBER 8, 1870.

Started after breakfast
for Parky pond. Stopped
at Salmon stream and
caught some trout.
Thos. and I each
shot a Pigeon.
On the way up
saw one Partridge
but did not get a
shot.

Cor. purpureus, saw several
Ch. tristis, saw several
Mel. Melodia, numbers
Gallinago Wilsonii, one
Otus Wilsonianus, one
Ceryle alcyon
Ac. Cooperi, saw one
Astur atr., saw two
Per. Can., saw one
Ch. acilis, one shot at Fresh
pond at Fresh

FRIDAY, SEPTEMBER 9, 1870.

Clear and a lovely day. Rose at daybreak and went down to the pond. Took 34 fish with the fly in about three hours.

After breakfast started for the Forks where we arrived at 2 P. M. At 5 started for Colton with Mr. Young and after taking supper at Bingham got there at 11.30 P. M. and put up. Ch. fawns, saw several, *Columbus triquatus* saw several, *Ceryle alcyon*.

Op. acipis, seven shot at pond by W. H.

SATURDAY, SEPTEMBER 10, 1870.

Cloudy and rained (about Showgan) about three hours.

Left Colton at 5.30 and got to Show. by 8. dined through. After a hard days ride got into Boston at 8 P. M. and found father waiting with two teams to take us out.

Op. acipis three shot by W. H.

SUNDAY, SEPTEMBER 11, 1870.

MONDAY, SEPTEMBER 12, 1870.

Char. Went down to
see Mr. Henshaw and
saw his birds.

He came up with
me and we went up
to the swamps collecting.
Took two *O. agilis*, and
a *H. Lincolnii* birds
commoner species.

Sy. rubra, *S. fuscescens*,
L. Mi. varia, *Philo.*
minor, *Geoth. trichas*,
M. palustris, *Junco*
hyemalis, *Dend. striata*

O. agilis, H. took two
H. Lincolnii, H. found
took on at Fresh Pond

TUESDAY, SEPTEMBER 13, 1870.

Clear, H. Henshaw
came up at 7.15 and
we went off with the
team. Took an
immature *D. castanea*,
two of *Aquila* and others
of less importance.
Got home at 3 P.M.

Dend. castanea, *D.*
striata, *D. Virus*,
Pip. erythrosp. Hel.
Myricapilla, *Sith. rutic.*
Op. agilis, *Curus. Nov.*
Parula Americana, one
was shot.

WEDNESDAY, SEPTEMBER 14, 1870.

Clear and hot.
After breakfast H. H.
came up and we
went up through the
swamps but took
nothing of importance
save *Op. agilis*.
I shot a half starved
Snipe.

Gall. *Wilsonii*, took one.
Op. ag. ord.
Parula Americana

THURSDAY, SEPTEMBER 15, 1870.

Clear and pleasant.
Spent the A.M. on
the birds taken
yesterday.

FRIDAY, SEPTEMBER 16, 1870.

Clear and pleasant.
Spent the forenoon
in the woods
with Henry and
took a number of
specimens.

Sp. ag. Thurston; Zon
albicollis, Vireo solitarius
Dend. Penn. orn.

SATURDAY, SEPTEMBER 17, 1870.

Hazy and rainy
part of the day.
Went up to the
swamps in A.M.
with Berry and took
quite a number of
birds.

Op. agilis, eight
Am. cedrorum, large flock
~~*S. n. s. s.*~~
~~*S. t. s.*~~
~~*S. t. s.*~~
albicollis, several

SUNDAY, SEPTEMBER 18, 1870.

~~*Op. agilis*, eight,
Am. cedrorum, saw
a large flock.~~

MONDAY, SEPTEMBER 19, 1870.

Clear and cool.
Rose at 5 A.M.
and went up to the
pond. Took *Cis. stellata*,
Op. ag. and *S. novebor.*
After breakfast went
out with Mr. Henshaw
and was out all day.
Took four of *agilis*
and others of less
note.

Dend. arundinens., 2.
Circus nov. saw numbers
Dend. aestiva numbers
pan. hymenalis, numbers,
Certhia Am. two, *Regulus*
saturata several. *Ch. pinus*
numbers; *Seol. ferruginus*,
one; *Phalacrocorax* 7 one.
Speo. agilis, five, *Dend. coron.*
numbers, *Circus aur.* one;
Pyrauga rubra, one

TUESDAY, SEPTEMBER 20, 1870.

Clear and pleasant.
Rose at 4.30 A.M.
and went up to the
pond. Large flock of
Seol. caeruleus in light
did not get a shot.
Took a *Goose-eater*
and saw another.
Spent most of the
day on the birds
taken yesterday.
In P.M. rode down
to Henshaw's and took
him up to ride
a short distance.

Mr. Wilson took one
S. agilis, saw two.

WEDNESDAY, SEPTEMBER 21, 1870.

Clear and pleasant.
Dr. H. W. went
into Boston and
sat in the office
several hours. Then
went down to
see Miss Melvin
and bought some
shot.

Dr. J. M. took a
sail on the river
with Farrar.

Arctia ludovici saw
large flocks on Charles
river.

A. minutella, saw
a large flock

THURSDAY, SEPTEMBER 22, 1870.

Clear and a most
lovely Autumn day.
Rose at 4.30 A.M.
and went up to
the pond. Took *O. ag.*
one, *Sarus. sar. one*,
My. eridania one,
After breakfast went
up in the top north
of Kenn. I shot two
Bon. cyphellus and *Ortyx*
tr. all flying.

Took a number
of specimens, the
best by Kenn, *D. castanea*

D. castanea ♂; *V. sol.*,
Trogl. audon, *Pyrrh. rubra*,
D. d. scolaris, *My. eridania*
(very immature); *C. eridania*
(part. Am.) *C. a. a. a.*

FRIDAY, SEPTEMBER 23, 1870.

Clear and pleasant.
In A. M. went
into Boston,
In P. M. rode up
to see Mr. Maynard.

SATURDAY, SEPTEMBER 24, 1870.

Cloudy and rained
several times.
Went down to Long
Island with Henry
and spent the
day there. I shot
a ruffled Gygis alba
helvetica, and made
a very pretty shot a
four, five ducks sitting
one sitting and three
as they rose. Saw
large flocks of Buteo
heads and Henry hid
into one. Got some
very fine specimens and
watched them by dusk.
Gygis alba helvetica, saw
large flocks
Anas semipalmata took
flour.

SUNDAY, SEPTEMBER 25, 1870.

Cloudy. Had a
very heavy thunder,
showers for the
afternoon.

Spent the day
about the house.
John and Charles
came to dinner.

MONDAY, SEPTEMBER 26, 1870.

Clear and a most
lovely Autumn day.
I rose as usual.
Spent the day till
three P.M. in the
sawyer with R.
L. and Henry.

C. cyathifera, large number,
C. albiflora, *B. auricapilla*,
note "chip", very quiet,
and sharp. *B. rubra*,
Q. castanea, *Q. c.*
Q. erubescens, *Q. sp.*
J. ulmifolia, *Q. nothofolia*, *Q.*
vestiva

TUESDAY, SEPTEMBER 27, 1870.

Clear and pleasant.
Spent most of
the day on spy
birds.

In P. M. went
up to the swamp
but got only two
birds, one *S. striata*
and *Parula Am.*

Stayed there til
dark and saw the
Robins come in.

Setophaga ruticilla,
O. agilis.

Have seen no
L. coronata for over
a week.

WEDNESDAY, SEPTEMBER 28, 1870.

Clear and pleasant.
Spent the forenoon
in the swamps.

The mill water has
been pouring in for
several days and filling
up the swamps.

O. agilis, then *Sp. varius*,
Say. fuscus, *D. caerulescens*,
M. sedgwicki, *S.*
aliciae & *Swinsonii*,
Bool. ferrugineus, *V.*
olivaceus & *solitarius*,
C. carolinensis, *C. pur.*,
G. trichas.

THURSDAY, SEPTEMBER 29, 1870.

Clear. In P.M. went up into the swamps with Berry and took a few specimens.

Mr. Quinn (Herd) says
O. agilis, new.

FRIDAY, SEPTEMBER 30, 1870.

Cloudy and rained hard in last half of the day.

Prof. H. W. went down with the party with Berry and fired at a Golden plover. Came up together at 11 A.M. and spent the rest of the day arranging my skins.

Prof. Virginicus saw a
Vittus ludov. seen on

SATURDAY, OCTOBER 1, 1870.

Cloudy and windy.
Went off with
H. C. in the
team and spent
nearly the whole
day but took nothing
to speak of.

Pitta Can., a number;
Coc. erythrus, one;
Am. cedrorum, several
large flocks; *A. striata*,
maculosa, *viridis* and
porphyra, *S. pallasii*,
Lay. fuscus.

SUNDAY, OCTOBER 2, 1870.

Clear and pleasant.
Attended church
in A. M.

In P. M. took a
ride up to Sherman's
pond with Mr. Deane
and saw two Wood
ducks.

MONDAY, OCTOBER 3, 1870.

TUESDAY, OCTOBER 4, 1870.

Clear. Rode up
to Concord, after
breakfast in an
hour and twenty
three minutes.
On W. M. went
up the river with
Dag and shot
a Grebe (*H. podiceps*)
Came home after
dinner getting to
Cambridge Sat 10.15
Her. Shussell
shot a "Dumb bird"
and a "Seal" (*H. car.*)
in the pond.

Nett Carolina, *Eris, rubida*
on Fresh pond; *Seil,*
farugis, Tod. podiceps
at Concord.

WEDNESDAY, OCTOBER 5, 1870.

Cloudy and warm.
After breakfast
went down to the
post and saw Henry
"He had taken ⁱⁿ ~~his~~
-Sharp-tail

THURSDAY, OCTOBER 6, 1870.

Cloudy and rained
most of P.M.

From A.M. went
down on the marsh
with Henry and
took three ⁿ finches
Got back at
11 A.M. Spent
the rest of the day
at home.

FRIDAY, OCTOBER 7, 1870.

Cloudy and windy.
Rode up to Benson
and put up the
horse in his pen.

Spent the day
shooting and took
a *Sitta Carol.* ♂, a
♂ Purple Finch, and
several other birds.

Got back late
in P. M.

SATURDAY, OCTOBER 8, 1870.

Clear and a lovely
day. Went up to
the farm with
my gun and took
a number of good
birds, *Ch. pinus* three,
Sitta Carol. two, *Mel.*
Lincolni ♂, *Querc.*
pinus, two ♂, and
several others. *Circus*
aur. a pair. Went up
in the pond and shot a *Sitta*

Mel. Lincolni, ♂ *Wat.*
carviro, *Aur.*, a pair
Ch. tristis, *C. pinus*,
Sitta Carol. three,
Procellaria Leachii
took a ♀ on Fresh
pond.

SUNDAY, OCTOBER 9, 1870.

Clear and a lovely
day. Attended
church in A. M.
In P. M. rode up
to Mr. Maynard's
with Henry and
spent the afternoon
with him.

MONDAY, OCTOBER 10, 1870.

Clear and pleasant.
Mrs. Maynard
called in A. M. and
spent several hours
with me.
In P. M. rode up
to Sherman's pond
but found nothing
there.

TUESDAY, OCTOBER 11, 1870.

Clear and a pleasant
day. Went up on
the farm in A.M.
and shot a Quail,
Sick Gitta Can. C,
and three common

WEDNESDAY, OCTOBER 12, 1870.

Cloudy and wind
most of the day.
After breakfast went
up to the swamp
with Henry and
to a P. of L. capensis,
Got wet through
coming home.

Quail, capensis,
S. L. striata, getting
scarce.

THURSDAY, OCTOBER 13, 1870.

Cloudy and very
windy. Went off
with the team
in A. M. and took
five Ch. juncos,
a *Pinus*, *Microg.* &
of *D. caeruleus*, *D. virens*,
and a Blue bird

Amethura pygmaea,
Pinus, *Dend. caeruleus*,
D. virens, *Ch. junco*,
Microg. Pin.

FRIDAY, OCTOBER 14, 1870.

Clear and a hot
day. Spent the
forenoon in the
farm, collecting, and
took, *Ch. junco*, two,
Gitta, *Microg.*, *D.*
pinus two &, and
two of *Ch. junco*.

Spent the A. M. on
my birds

Bay. junco, *Microg.*

SATURDAY, OCTOBER 15, 1870.

Clear and a most
lovely autumn
day. After breakfast
rode up into Belmont
and put up the
horse at 15.00.

Spent the whole
day transcribing and
did not write anything.

Visited two graves
and visited both
and set out one of
them.

Sp. in the afternoon,
Peter's grave, B.

SUNDAY, OCTOBER 16, 1870.

MONDAY, OCTOBER 17, 1870.

Clear and warm.
Went up to the
pond in A.M.
and shot a Gray
creeper.

In A.M. rode
up to the willow
with Henry and
took thirty seven
of *Chry. pinus* beside
a few other specimens.

Chry. pinus,
found them in numbers
feeding on a small red
grub on the willow trees.

Sayornis fusca, m.

TUESDAY, OCTOBER 18, 1870.

Clear and had
the hardest blow of
the season.

Went into Boston
for an hour or so
and did all my
birds, some twenty
one in number.

WEDNESDAY, OCTOBER 19, 1870.

Cloudy.
Went up to
the pond in
A.M. and fished
till dark, but
caught only
one perch.

THURSDAY, OCTOBER 20, 1870.

Cloudy and
rained hard
all day.
Went up to the
pond before
breakfast and
shot a Belted
G. dove.

FRIDAY, OCTOBER 21, 1870.

Clear and a lovely
day. After breakfast
took my gun and
Dartford went
over to Smith's pond.
Found at a bell
take on Fresh pond
and shot three
Wood ducks on
Smith's only one
of which I got.
Took a Warbler
and a Grass Finch.

Cistothorus palustris
with one, *Pooecetes graminea*
to be seen.
Passer, many seen
numbers. *Aizya*
saw them,

SATURDAY, OCTOBER 22, 1870.

Clear and pleasant.
After breakfast
took up to Wattham
and beat for Woodcock
but found none. Then
beat Sherman's pond
but saw no Ducks.
Took several Yellow
rumps and a Sparrow
(*Z. albicollis*).

Burdus pallasi, saw
immense numbers of
them everywhere. *Deoron*
saw large numbers. *Pas-*
aliaca, saw first one.

SUNDAY, OCTOBER 23, 1870.

Clear. After church
went down to see
Henry.

Saw J. M. Meroch
to Glouceston with
father, and saw
Sprague & Darling.

MONDAY, OCTOBER 24, 1870.

Clear and cold.
Went collecting with
Henry for the last
time. Took seven
or eight birds.

Went on to Wellington
hill, and then beyond
to Georgetown.

Cyath. trichas, saw at least 3
Regulus grand. saw two.
Parus Canadensis, one;
Crow. Am. & *C. leuciptera*;
Bitta Can. *Arctus*
indiviciarius, on island
field. *Pas. iliaca*,
Chry. pinus, seems to
be getting scarce.

TUESDAY, OCTOBER 25, 1870.

Clear and warm.
Very windy. Took
the first off train on
the S. R. R. and
met Jim Melvin
at Lincoln, Barns
and two friends got
off at the same place.
On the Lawrence
ground bagged one
cock and started
another. Shot to concern
by 1 P. M. bagging six
cock & a Partridge.
After dinner took
a team and rode
up into Carlisle where
we bagged four more
birds & a Pigeon. Total
11 cock 1 Partridge & a
Pigeon. My part 6 cock
& the Partridge.
Pigeon Am. migrating.

WEDNESDAY, OCTOBER 26, 1870.

Clear and windy.
After breakfast
went up on the
mountain and shot a cock
and a rabbit. Fired
five times at Quail,
missing every shot.
Took a male Crossbill.

Agathis linaria, saw
several flocks;
Sitta Can. heard one.
Falco Am. took all the

THURSDAY, OCTOBER 27, 1870.

Cloudy and cold.
Went up on the
pond before breakfast.
Cheney, shot a
"Dumb-bird", & a
"Dipper". After breakfast
went up to Cheney's
and we drove up
to Mill Hill.

Struck a covey of
Quail and I shot
one of them with my
first double shot getting
both birds then another
single one. Then Cheney
shot one, then struck
another covey and I got
another double shot.

Total seven birds, five
of which went to me.

Leg. linearis, took two,
one adlt. ♂.

FRIDAY, OCTOBER 28, 1870.

Clear. Took the
11 A.M. train for
Concord. For P.M. went
up the river with
Dad and saw
a Black Duck.

Found obscurus, several.

SATURDAY, OCTOBER 29, 1870.

Clear and cold
blowhard all day.
Spent the day in
the woods with Dan.
We each shot a
Woodcock & a
Gray Squirrel. I also
took a fine specimen
of the Hudson Bay
Squirrel: its notes
& habits were almost
precisely similar to
S. atpi.

In the evening
went down to see
Mr. Nelson.

Maynard & party started
today for Florida.

Forms of *Hudsonius*
look on at Concord
Mass.

Feely's affinis, one
shot on Wash pond.

SUNDAY, OCTOBER 30, 1870.

Clear and cold.
After breakfast took
a walk up to Strickland
hill and started a
Woodcock.

Attended church
in A.M.

In P.M. took a
walk down to Walden
pond, where we
discovered a remarkably
fine echo and saw
a large flock of
Crossbills.

Pinicola Canadensis
saw one,

Circus hudsonius
saw a large flock.

MONDAY, OCTOBER 31, 1870.

Cloudy and rained
the greater part of
the day.

Missed the early
train & coming
down on the 8.40

Spent some time
after getting home
inspecting my
stomach but made
a good job of him.

Mr. G. W. took a
ride.

TUESDAY, NOVEMBER 1, 1870.

Clear and pleasant.
After breakfast
went up to the
Waltham road
boat for Woodcock
but did not start
any. Took eight
Redpolls and a
Pine Finch, also a
♀ Grosbeak. Chased
a Great Horned Owl
for some distance but
could not get a
shot.

Quail, Am. & European
numbers, *Tringa Can.*
seen two. *Bubo Vir.*
seen one in Belmont.
Agelaius, large flock.
Lepus brewsteri, took one
at Waltham.

WEDNESDAY, NOVEMBER 2, 1870.

Clear and rather
cold. Ther. 30 at
daybreak. Went
up to the pond
before breakfast
and shot six
ruddy ducks. Charles
Coburn got two.
In A. M. went
up on the farm
and took seven
Crossbills three
fox colors, a Pine
finch and a Red
eyed Vireo

Vireo olivaceus, took
one in Watertown

Cass. idiaea, quite
abundant.

Spizella soc. saw^a few

Erin. rubica, took only

THURSDAY, NOVEMBER 3, 1870.

Clear and ~~rather~~
warm. Ther. after
50°

Went up to the
pond again and
shot two L. L. birds
and a Ruffle neck.
also a Plover

Spent the remainder
of the day skinning

Bryophala albola, took
one, *Erin. rubica*, took
two

Botaurus lentig.
took one

Ph. trivalis, saw one

FRIDAY, NOVEMBER 4, 1870.

Clear and coldish.
Ther. 40° at daylight.
Went up to the
pond as usual
and shot a Lark
bird firing six times
at first.

Spent most of
the day in
skinning three
Meadow Larks & the
Buff. Wren.

SATURDAY, NOVEMBER 5, 1870.

Cloudy and calm
Ther. 40°
Rose an hour
later than usual
(6) and got up
to the pond just
in time to see Chimney
fire into eight Lark
birds & kill four
of them; the other
four he got afterward.
I shot a fine
pair of Bl. & G. Goshawks.

Col. ferruginus, saw
a large flock.

"Harelda glacialis"
taken two on Fresh
pond. Eris. rubida
eight were shot on
"the pond"

SUNDAY, NOVEMBER 6, 1870.

Clear and a
lovely day.

Attended church
in A. M. as usual.

In P. M. went
up to the pond
with Ruth & Charlie
and found Ruth's
boat gone. He
and Charlie
searched for it
some time in vain.

MONDAY, NOVEMBER 7, 1870.

Clear and frosty.
Went up to the
pond as usual.
Saw no Ducks
but shot four
Marsh rats in
a short space of
time at daylight
in the boat house
cove.

After breakfast
rode up on to Well
hill with Charlie's
Cuney and put
up the horse at the
steep farm.

Went all day and
got up five grouse
but did not kill
any of them. I fired
once at a grouse and
shot a number of
Robins. Saw a Great
horned Owl.

TUESDAY, NOVEMBER 8, 1870.

Cloudy.
Went up to
the pond in
the afternoon, and
shot my first
"Whistler" killing
him with the
second barrel as
he rose from the
water. Then went
up into Watertown
but saw nothing.

WEDNESDAY, NOVEMBER 9, 1870.

Cloudy with
chilly east wind.
Rose at 5.30 A.M.
and called at
the Nestor's for
Charlie. Went
up to the pond
together and Charlie
shot a Muskrat
and fired at a
Coot (as I afterwards
ascertained) The
latter acted very
strangely diving like
a sea duck and
outwitting us com-
pletely. Went the
whole afternoon
chasing it till it
was finally shot by
Bunker.

14
Saw a few sea frogs
about

THURSDAY, NOVEMBER 10, 1870.

Clear and very windy. After breakfast went up on the farm when I took a Jay-cot, a White-throated Sparrow, a Golden-crest, Wren & a Creeper.

Thin came down to the pond when the wind was blowing a gale and pulled about over the waves for some time. In P.M. took a ride by the pond and saw a "Dumb bird" shot.

Zon. albicollis took an adt 3, Pass. iliac. saw several, *Er. rubic.* one shot on the pond.

FRIDAY, NOVEMBER 11, 1870.

Clear and very cold. Snowed, froze quite hard for the first time.

Went up to the pond before breakfast and shot a Hooded Merganser which I placed nearly over to Smith's pond.

I spent most of the day in the woods working over my things.

Spizobodytes Crenulatus looks out.

Plec. nivalis, heard one.

SATURDAY, NOVEMBER 12, 1870.

Cloudy but
moderately calm.
Went up to the
pond for breakfast
but nothing came
in. Then went
over on the farm
where I took a
Barred Owl, a
Cov. Crossbill, and
two Red bellied
Nuthatches.

Also fired at a Quail
over a splendid
point of Dart's.

Mr. P. M. put away
my brush loader
for the winter
and Gardin
called.

Clay. juncos, saw a
few but they are very
scarce. Pitta Com. took two,
Cov. Ans. 1. Lutesc. 1. Anglin,

SUNDAY, NOVEMBER 13, 1870.

Clear and pleasant
Attended church
in A. M.

In P. M. rode
over to see Gardin
and spent the
afternoon with
him.

Juncos *hyemalis*, still
a few flocks around.

MONDAY, NOVEMBER 14, 1870.

Clear and quite warm.

Mr. A. W. went up to the pond where they said there were two Ducks but did not see them.

After breakfast had my horse harnessed and rode up into Waltham where I spent most of the day. Took eight Copps, Crossbills and three Pine Grosbeaks.

Turdus four.

TUESDAY, NOVEMBER 15, 1870.

Clear and pleasant.

Went to work on my birds after breakfast and had them all done by noon.

Mr. P. W. took a ride up by the pond where I saw a "Dance" bird, returned for my gun, tied the traps in the hotel sheds, and setting down on to being shot him.

Crissaltrix rubida shot on on Fresh pond.

WEDNESDAY, NOVEMBER 16, 1870.

Cloudy and rather cold,

Rose at 5 A.M. and met Charlie Carter by appointment to try the beaver in Hatter's town but although we beat for them carefully we could not get them up. Then I went over to the pond but saw nothing there.

In P.M. went down to see Frank Atkinson.

THURSDAY, NOVEMBER 17, 1870.

Clear cold, and perfectly calm.
Rose at 5 A.M. and went up to the pond. Shot a muskrat in Campbell's woods, another in Hush rat pond, through the ice, and found a dead Oldsquaw Duck. Then a flock of seven Hooded Mergansers found on land I sculled over to them getting on as they rose. Saw A.M. went into Boston, left my long gun to be cut off and saw four Mallards.

Lopho. everettii
saw a flock of seven on Fresh pond.

FRIDAY, NOVEMBER 18, 1870.

Began to rain at 1 P. M., and rained lightly the remainder of the day.

Went up to the pond about an hour before daylight (4.45) and searched about for muskrat signs but saw none. Fired at a Hooded Merganser flying and saw a Black Duck.

In A. M. went up to Watertown and made a call on Mr. Shafter who received us very cordially and showed us his birds. *Ardea obscura*, one
Lopho. mentatus, one

SATURDAY, NOVEMBER 19, 1870.

Clear but the coldest day so far.
Ther. 26° of 32° of 30°.

Rose at 6 A. M. and went up to the pond but saw nothing the whole morning. Spent the middle part of the day in the house yard and the afternoon went up again to the pond but as before saw nothing.

Colaptes auratus still abundant.

Aegithus linaria quite abundant.

SUNDAY, NOVEMBER 20, 1870.

Clear and warm.
Attended church
in A. M.

In the afternoon
had my horse
harnessed and
started off with
Kurtz.

Got nearly into
Lexington, when
the horse tumbled
down breaking one
of the shafts, so
we had to return.

MONDAY, NOVEMBER 21, 1870.

Cloudy and chilly
In A. M. went up
on the farm and
took five Carr. Aw.
and two Fox colors
In P. M. fired a
number of shots
at a target with
my 12 gauge gun
which I have
had cut down
to 30 inches.

Passerella iliaca, took
two.

Carr. Aw. still
abundant.

TUESDAY, NOVEMBER 22, 1870.

Cloudy and
rained hard most
of the day.
Late in the
afternoon went
up to the pond
in the rain but
did not see
anything.

WEDNESDAY, NOVEMBER 23, 1870.

Clear and windy.
Rose early and
went up to the
pond.

Shot two musk
rats at the foot of
the barn but saw
no ducks.

After breakfast went
up again and
trapped a wood
chuck for some
time - firing once
at him over the
water and twice
over the wing as he
went out.

In the afternoon
they had a turkey
and chicken shoot
which lasted till dark.

Columbus triquatus, saw
this or one of the other
ducks over Fresh pond.
Phe. ovalis, saw large flock

THURSDAY, NOVEMBER 24, 1870.

It is mainly cloudy
and clear I brought
a little in P. M.

Started off with
Keith and Charlie
at 6.30 A. M. and
tied the horse in
Waverly. Started
a very large covey
of Quail, drove
them into the
Waverly woods and
shot eight, most of
them over points.

Best worked perfectly.

Had dinner at
noon, a cold turkey
pie, nuts, raisins &c.

Beat all the afternoon
without getting any thing.

I shot five of the
Quail.

Covey. C. leucif. saw large
flock. Quail saw several.

FRIDAY, NOVEMBER 25, 1870.

Clear and a most
lovely day, calm
and sunny.

Started off after
breakfast with the
trunk and tied on the
hill above Marshy's.

Shot a Truffed Grouse
which Duff crushed
in on and bit badly.
In trying to get off
him I struck a stick
onto my eye almost
putting it out and
obliging me to
retire immediately.

C. l. ferruginus,
saw one.

Sturcella macrura
saw several.

SATURDAY, NOVEMBER 26, 1870.

Cloudy and
rained most of
the day.

Spent the whole
day in the house
on account of
my eye which
troubled me much.

SUNDAY, NOVEMBER 27, 1870.

Clear and a lovely
day. I attended church
in A. M.

Dr. P. M. remained
in the house.

My eye still
very troublesome.

I have had
the most remarkable
weather for the last
week during which
time the ground
did not freeze over.

MONDAY, NOVEMBER 28, 1870.

Clear and another
lovely day.

For A. M. went
into Boston and
selected the paper
and carpet for my
room.

In the afternoon
went up to the pond
and baled out
my boat.

TUESDAY, NOVEMBER 29, 1870.

Cloudy, Rose
early find went
up to the pond
Gavitts Hooded
Mergansers but
did not get a
shot.

Lophodytes cucullata
said twice

WEDNESDAY, NOVEMBER 30, 1870.

Clear. Went up
to pond and
A. M. but saw
nothing.

About noon
Dan arrived.
Spent the
afternoon in
the house.

THURSDAY, DECEMBER 1, 1870.

Clear & cold.

Jan A. M. went
down with Dan
and called on
Francis Atkinson.

Jan J. M. went
into the Symphony
concert.

My nose crinkled
and very badly.

FRIDAY, DECEMBER 2, 1870.

Clear. Day
left us, this
morning.

Spent the
day in the
house.

SATURDAY, DECEMBER 3, 1870.

Clear. Mr. Har-
monal began to
paper the day.

Stayed in the
house all day.

SUNDAY, DECEMBER 4, 1870.

Spent the day
in the house

MONDAY, DECEMBER 5, 1870.

Clear & Warm

Spent the day in the
house - watching the
papers

TUESDAY, DECEMBER 6, 1870.

Clear + Warm

In A.M. went out
with father's Air Rifle
and practiced some
time at a mark.

In P.M. took a
ride with 'Lou
' Pedro!

My eye was quite
troubled -

WEDNESDAY, DECEMBER 7, 1870.

Spent the day in the
House on account
of my eye
oiled the body
of several of my
Guns



THURSDAY, DECEMBER 8, 1870.

Spent the day in the
house.



FRIDAY, DECEMBER 9, 1870.

Spent the day in
the house.

SATURDAY, DECEMBER 10, 1870.

Spent the day
in the house

SUNDAY, DECEMBER 11, 1870.

Windy and
the dust flew in
clouds
John Charlie
and Ruth called
in after church

MONDAY, DECEMBER 12, 1870.

Spent the day
in the house

TUESDAY, DECEMBER 13, 1870.

Remained in
the house all day

WEDNESDAY, DECEMBER 14, 1870.

Clear and warm
without any apparent
cause my eye was
so much worse this
morning that I went
to see Dr Williams
about it, who gave
me some eye lotion,
after examining it
carefully

THURSDAY, DECEMBER 15, 1870.

Cold, and very
windy. After breakfast
carried a message
to Mrs Nichols from
mother.
Mother read
to me most of the
day.

FRIDAY, DECEMBER 16, 1870.

Clear and very
cold.

Remained
all day in the house,
and mother read to
me much of the time.

SATURDAY, DECEMBER 17, 1870.

Clear and rather
cold.

Went into Dr.
Williams' in A. M.

Dr. H. M. got
my boat before
I could get the
assistance of
Charles.

SUNDAY, DECEMBER 18, 1870.

Clear and very
windy.
Spent the day
in the house.
My eye rather
better, but still
troublesome.

MONDAY, DECEMBER 19, 1870.

Cloudy and edd.
Spent the day
in the house.
In the evening
John & Charles
called.
Good skating
on all the smaller
ponds. Fresh fr.
frozen only in
the coves.

TUESDAY, DECEMBER 20, 1870.

Cloudy. Morning
broke forth an
inch of snow on
the ground and
raining fast.
Spent the day in
the house.

WEDNESDAY, DECEMBER 21, 1870.

Clear and warm.
32° - 40° - 22°

Spent the day
in the house and
mounted two
O. agilis from
died skins.

THURSDAY, DECEMBER 22, 1870.

Clear + cold
Ther. 10 above 0

Went into Boston
with Mother bought
a number of Muscovy,

FRIDAY, DECEMBER 23, 1870.

Cloudy + snowed all
day about 2 inches
fell

Went into Boston
with Mother in the
Smythall

Mrs Welch
was found dead
in her house
this morning.

SATURDAY, DECEMBER 24, 1870.

Clear & very cold
Ther 6 above 0

Went down to
Frank Atkinson
in the forenoon
in the afternoon
mounted several
birds from the skins

SUNDAY, DECEMBER 25, 1870.

Clear & cold but dry
to just
Ther 2, above 0,

Went to Church in
the A. M. —

In P. M. went up
to see Ruth, Davis
Rifle —

got as presents
from Cheryl, a picture
"Portrait of a Girl"
from John
"Primitive Man"
from Ruth,
a silver head
from Morrill
a pin wallet

MONDAY, DECEMBER 26, 1870.

Cloudy most of the day, rather warmer

after breakfast went up to Snake Pond and skated, found it very fine skating tho' but few persons there

In P.M.

went into to see Dr. Brewer who was very kind and showed me through most of his American Eggs, was particularly struck with the difference between the Egg of *T. cristulatus* and that of *S. fuscescens*

TUESDAY, DECEMBER 27, 1870.

Clear & very still
Ther. - 20, above 0,

Went shooting in A.M. with Frank Atkinson & got a few birds

Spent most of the P.M. in mounting some birds from which my eyes were much better tho' still troublesome

A. Linaria. Saw a large flock
Cuc. Americana
Saw a pair feeding on the ground in company with the former.

WEDNESDAY, DECEMBER 28, 1870.

Cloudy

Commenced to snow
at twelve o'clock
and at dark about
three inches had
fallen

After breakfast
went into Boston
with Howard Atkinson
and called at De Cabots
house, found only his
daughter at home
and spent several hours
looking over his immense
collection, saw his
Dend. *Tricklandii*
one of the three in the
country most of his birds
were collected by himself
in Yucatan, he must
have several thousands
Afterwards bought a
blow pipe and saw number
of Luddy Ducks sent up
last Thursday from the lake

THURSDAY, DECEMBER 29, 1870.

Cloudy and snowed
nearly all day spent
the day about the
house in the afternoon
helped to get down
the sleighs and took
a sleigh ride over
through Brighton
About five inches
of snow has fallen,
in the evening went
up to Ruth Deans

FRIDAY, DECEMBER 30, 1870.

Clear and a
beautiful day. The
at 20, and 25,
after breakfast, started
shooting and worked
up into Watertown
took *Curv. Americana*
three *Ch. tristis* two
Sitta Caro one.
got back by one P.M.
in the evening
went up to a theatrical
at the Hayes

Curv. Americana
Ch. tristis *Plec nivalis*
A. linaria *Ac. fuscus*
Spiz monticola saw
numbers. The notes
of *A. linaria* are in full
song,

SATURDAY, DECEMBER 31, 1870.

Clear and warm
Then 32 - 42 - 34
After breakfast went
shooting up to Watertown
as usual, took a *Col. Bor*
calis *M. Melodia*, *Par. Atrea*
pilus and *Tur. migratorius*
Shot also two Quail, and
wounded another, all of
which, Don't painted ~~some~~
got home at about two
o'clock. Dick Dana called
in P.M.

M. Melodia *Tur. migratorius*
Col. borealis *Col. colaptes*
Amatus saw of each,
one ~~X~~
Curv. leucop *A. linaria*
Plec nivalis. *Cy. cristata*
saw numbers,



MEMORANDA.

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MEMORANDA.

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MEMORANDA.

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MEMORANDA.

11
42
28
12
38.

of 5
14
17
22
B

July 29 last day

Aug 23

Sept. 3

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" 18

" 19

" 21

Oct. 1

" 7

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" 29

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