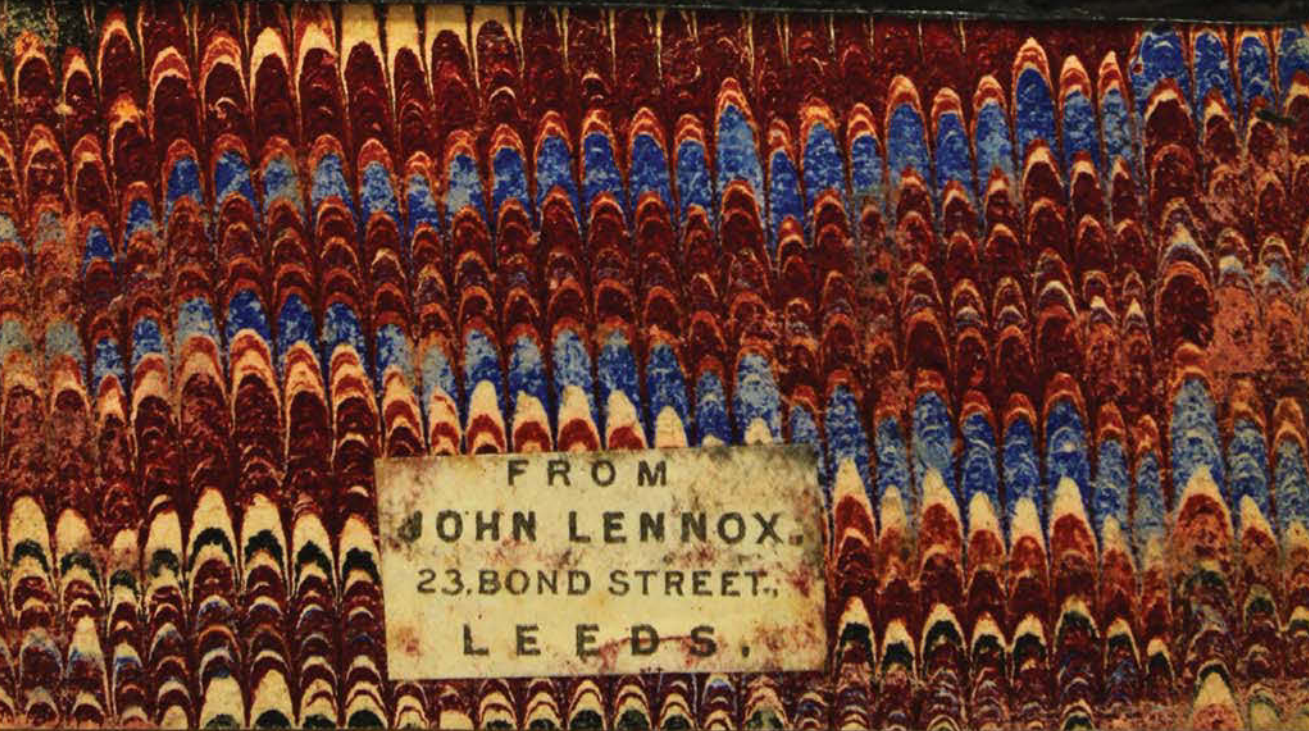




STAMPS



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RECEIPT or DISCHARGE given for or upon the payment of Money amounting to Two Pounds or upwards,—ONE PENNY.

1890 - June 12 to Sep 26

Bank Note—

For money not exceeding ...	£1	0	0	5
Exceeds £1 and not exceeds	2	0	0	10
" 2	"	5	0	1 3
" 5	"	10	0	1 9
" 10	"	20	0	2 0
" 20	"	30	0	3 0
" 30	"	50	0	5 0
" 50	"	100	0	8 6
Bill of Exchange payable on demand ...	0	0	0	1

Bill of Exchange of any other kind whatsoever (except a Bank Note) and Promissory Note of any kind whatsoever (except a Bank Note)—drawn or expressed to be payable or actually paid or endorsed, or in any manner negotiated in the United Kingdom, where the amount or value of the money for which the Bill or Note is drawn or made does not exceed... £5...0 0 1

Exceeds £5 and does not exceed	£10	0	0	2
" 10	"	25	0	0 3
" 25	"	50	0	0 6
" 50	"	75	0	0 9
" 75	"	100	0	1 0
" 100 for every £100, and also for any fractional part of £100, of such amount or value	...	...	0	1 0

AWARD in England or Ireland, and AWARD OF DECREE ARBITRAL in Scotland, where the amount or value of the matter, in dispute does

not exceed	£5	0	0	3
Exceeding £5 and not exceeding	10	0	0	6
" 10	"	20	0	1 0
" 20	"	30	0	1 6
" 30	"	40	0	2 0
" 40	"	50	0	2 6
" 50	"	100	0	5 0
" 100	"	200	0	10 0
" 200	"	500	0	15 0
" 500	"	750	0	0 0
" 750	"	1000	0	5 0

and where it exceeds £1000, and in any other case not above provided for . 15 0

Book No. 20

1890 -

20

June 12, Had a walk
with Wm before breakfast*
got *Coeruleocephala* larvae
& Mr Holroyd brought
me 3 from Boston +
some others unknown.

* past Hall Parks down
Rudgate home by the
Highill Rd.

After tea Rine & Self
went to Boston & got
many *Coeruleocephala*
larvae, called on Mr
Hatfield & arranged to

go to dinner on Monday
13. Prepared 7 *Caeruleoceph-*
larva took map of
Yorkshire to College. At
night went with the
rest of them at home
by train to Newton Kyme
& walked nearly to Tad-
spent some time on the
way but did not get
anything.

14 Left Leeds at 12.10
with Gurnell & Carter
for Horbury via Dewsbury

June

Y N U excursion. Found
nest of Garden Warbler
4 eggs - & of Hedge Acc.
7 eggs. *Alaraxa ulmata*
very plentiful. Hazel
eaten bare by geometers
for further particulars
see report in Naturalist
Returned to Dewbury
Meeting. Thence to Lees
Walton at 8-10.

15 In morning went
to & to St Helen's Ford
& had a swim. Saw

[4A]

a S Hawk Chase a
Plover for some time
they both rose to
a considerable height
but the Lapwing escaped.
In afternoon A Hartley
came over Mr & Mrs W
had gone ~~over~~ to Bilton
After tea Drew Plan of
Leeds

16 Fred Hartley brought
down the ot pieta
dead, it had been ill
for some time.

Commenced to make
a small cabinet per
larva &c, The Keeper
brought me some
Beetle larvae. They
were processioning
out of a Rabbit burrow
Went from the Station
to Thopp Arch Hall had
tea then operated
upon a sackdant after
which had dinner &
wasted the rest of the
evening in chattering

Harpley -
Met Mr ~~Hartley~~ Curate.
Got Cæculiweep = Larvæ
near the station.

17 Received $\frac{1}{3}$ excess of
fare to Driffeld -
Proceeded with the
Larvæ cabinet wrote
up Minutes of the
Dewsbury Meeting
had a stroll at night
I found 3 Yellow B
nests 2 with 4 eggs
each + 1 with 4 birds
found several more

June

Cerulescep = Larvae

18. Nearly finished the
larvae cabinet, at
night had another turn
at the B a maps +
visited the 3 Yellow
Bunting's nests and
found them as before
Took reports of YMN
meetings to printers
sent Gold Pheasant
to Luten to mount.

The keeper sent me
an old Hedgehog ♀
[]

* Three young they
were sucking - blind
* had no teeth.

19 Loten called at the
Museum, at night R

* Self walked to Bilton
* Back, Ernest caught
a black pepper Moth
* gave it to me

20. The Messrs Gypson
at Walton from Deal and
we accompanied them
as far as Wighill.
developed photos for

Gurnell.

June

21. Received & corrected

proofs of Dewsbury Meeting

The Major Belle came
to spend the day, after
tea walked to Jackdaw
Crag & home by Boston
found more C'cephala
larvae Saw the Major

His 2 daughters off
at 9.49. Some of the
Aurifluas turning up

22. After breakfast went
to hedge where I had

found the 2 Oak Eggs
found 2 More a large
Var Callune & a Small
Ordinary also 1 Cephalo
the sun was blazing
hot when I took the
larvae tri out of my
pocket I could scarcely
hold it, the Cephalo
was roasted to death
the Eggs wriggling
with the heat they soon
came round when
turned on to the ground

June

Met Bland. Hatfield's
keeper & chatted to him
for some time & then
Harland came up also
After dinner went to
Walton Wood to get the
Tree Sparrows' nest &
found as I expected
the young had flown
took nest for Museum
found another large
(Var Callune). Eggart,
went to Church (Walton)
Mr Dodd of Boston. Officiated

[10A]

After tried to catch
Some *Pipistrelles* with
Insect net & struck
2 with the net.

23. Preserved 2 *Quercus*
larvae the large one
found on Bryony & the
Var callune found
yesterday. Revised the
plan of deeds not
being satisfied with the
previous one. Wrote to
Cheetham Hardcastle &
Wilkins re excursion

June.

Thiell asked me for
mill of seed Bridlings
went to Headingley but
could not get into our
house. Mr + Miss Hartley
being at Bridlington
but return tomorrow
Had another turn at the
bats struck one knocking
the moth out of its
mouth it was a short
24. Found most of the
Polychloros larvae at the
Museum Schneunione

The larvæ crawled
out & appeared like
Diptera larvæ in a
few hours they shortened
& turned brown being
then I suppose, pupæ,
One of my promoters
came out a ♂, at
night I did some
more map work &
one of Blaushard's
men brought me a
young Blk. Head. gull -
which he had caught

June

on their Duck pond
it was alive but a
wing was broken
25 went to Headingly
& got the required MSS.
wrote note of Blk H
full to appear in the
Only Naturalist. At
night heard that some
boys had got 5 young
landrails I made
inquiries & got 2
dead ones & saw a
third just hatched,

Covered with Black
down, but Spoilt-

At 10-35 as I was going
to bed the house was
roused by a noticeable
shock of earthquake it
lasted about 5 seconds.

26 Found that part of
the Kitchen range had
been shaken loose.

Went out before break-
-fast with Harland &
got a nice Pheasant's
nest with 6 added

Time

Egg, the keeper gave me
some more eggs & a
clutch of 9 partridges
newly laid the bird had
been taken by a fox,
with respect to the Partridge
nest I found on
containing both Partridge
& Pheasant eggs. he told me
that a Pheasant made
the nest & laid 4 eggs
a partridge made a
nest a few yards away
but in an exposed

place so the keeper
kicked it to pieces &
the Pheasant having
been taken by a fox
& the Partridge being
ready to lay, did so
in the Pheasant's nest
& sat all the eggs.
At night went to see
Bland Hatfields' keeper
gave him reprint of
my Woodpecker. Went
round to take Rabbit
out of trap. he showed

June

me how to kill them
in "a crack"; Saw
Kingfisher & Stockdove
he told me of a 1st
Spot: Woodpecker's nest
contains young but
known of at the Hall.
Sent note of seismic
shock to "Mercury". A
second promise (a ♀)
came out to night.

27. Left Leeds at 3-45
with Roebuck for Leyburn
via Harrogate Thurst &

Northallerton arriving
at met by Mr Horne
put up at the Golden
Lion & after tea Mr
Horne took us to his
Museum & workshop
& we ferreted out what
information we could
re Swaledale for the
YNU excursion in
August, this being
the object of our visit
28 Rose at 4.20. &
walked to Middlesham

June

left cards at Morton's
Thornbothams no one
being up back to
Leyburn. inspected Mr
Korne's Geol specimens
had breakfast & left
at 8.36 for Askrigg
by train. Started about
9.30 & walked over the
moors uphill to Oxnap
Beck over to the Peak
1807 ft. Saw Dunlin &
Curlew. Rained in tor-
rents. Macks wet thro'

Wet heather & boggy ground
struck Cruckpot Road
over Summer Lodge Moor
Crossed the Pwale at Isles
Bridge & along N Side
to Strands, changed
everything had dinner
recharged, our trunks
having been dried, & set
out. Still in pouring
rain, to Isles Bridge
called on R V Taylor
Vicar & along S side
of River to Keld passing

June

Thro' Saton, 769 Munkers
Thwaite + Angram, Had
tea at Cat Hole Keld,
arranged accommodation
+ at all the houses on
our way back taking
same road until we
got to ^{through} Gungerside
Bridges where we crossed, the
weather cleared up +
we passed along N Bank
to Strands, had supper +
to Bed about 11-0.

Distances -

Seyburn to Middleham 2

Middleham to Seyburn 2

Astbury to Isles Bridge
Hard climb over Moors }

Isles Br to Strands.

Strands to Isles Br

Isles Br to Keld

Keld to Strands

Places to be seen on route.

Buckden Pike, Penn y Gant

of Wharnside, Wharnside,

Bangor Fell. Kisdon &c

June

29 Sunday. Up at 6.0
breakfast & at 9
started off with Ruebuck
thru Summerside, Inlet,
over Inlet Bridge struck
S W where Ordnance is
marked 769. up Roulet
hill, on to Munk's Common
992. Came on to rain
clouds soon left & went
down the valley, along
moor to to Lonely Seat
(Steps fell) 2216, down
west side to Summit

Level of Buttertub
pass & then to top of
St. Sumner Fell 2346 -
back along crest to Hood
Ridge down to bend in
Buttertub Road then
past Thwaite thro'
Muker, Sabran over
the unfinished Gunner
Dike Bridge through
Gunnerville & Strand -
Distances

June

Found dead but worn
Red Field Vole in fields
between Gunnerside &
Inlet, Caught young
Lagopus. on escarpment
of lovely Seat, The
remainder of the crew
went off in grand style
but this one got its
foot fast & just got
it loose as I covered
with my cap - it

joined the Field Vole
Saw Golden Plover
numerous, & Lark-
Cunew, & 1 Semlin
Stonechat, Saw Hawk
trap set but rusted
fast on top of pole
^{Ornance}
Carris on top of the
2 Mountains

Mts seen from Lonely
Seat. St Whermside
Buckden Pike, Penny
Chent, Ingleboro
Whermside Baugh Dell

June

Wild Boar Fell, Middle
Fell & perhaps Cross Fell
Newer heights - Penhill
Beacon - Adelle Wrough
Comderside Bodd Fell.
Wether Fell, Wittdale
Fell, Wold Fell, High
Seat & Fair Hill & 9
Standards Reg. Aron
Seat & Browner Ridge
behind, Rogans Seat
Kisdon below, -
St Pin Seat & Corver.

a most magnificent

panorama, Roebuck
Says it was the finest
stretch he had ever
seen, perhaps - not
excluding that from
Melboro' the weather
during the afternoon
was gloriously fine
& we landed at Strand
at 6-0 Not having
tasted anything but
water since we left
in the morning

me

30. Left Strands at
9-0, through Gunnside
to Inlet Saw Keeper
- Cherry by name, over
Inlet Bridge to Muker
then to Thwaite, took
the left to Butter tubs
Pass - saw the B tubs
They are perpendicular
cavities of varying
depth formed of per-
pendicular & regular
columns of limestone
Over Moors to Hardraw

went a little out of
our way to see Hard-
-ran Scar, the Foss
dale stream comes over
& falls in a column
100 ft in ~~height~~ depth
then into Hawes put
up at the White Hart
borrowed some dry trousers
while our own were
drying, & some Slippers
while we dried our
socks, arrived at
3-30 had dinner &

June - July

a continuous rain
came down all day
in a steady, heavy
style. We looked
rather odd in our
borrowed garments - R's
trousers turned up about
a foot & mine about
the same two short.

After relogging we left
the White Hart at 5.20
& took train home

arrived at Headmisy
about 10.0 Slept at

25 North Lane.

July 1 The 3 populi
eggs had hatched, some
of the larvæ were dead.

3 Pototorias came out

+ W^m. Waite found a
Quercus? larva yester-
day but when I saw
it today it was in

cocoon, 3 Cicadas
had died during my
absence,

2. Found many full
grown P brassica larvæ

July

✓ 1 pupa on Cabbages.

Shot Jackdaw at the
Cherries. At the Phil

Council they ruled that
in future I should have
£2 per year in lieu of

weather acknowledgments.

Shot Pipistrelle, spent
nearly the whole evening
in a vain attempt to get
some Swifts eggs in the
Station Shed the slats
are too near the top of
the wall.

3 wrote draft programme
for Y.H.U. Swaledale Exc-
4, Preserved several.
Dipar, *Brassica* and
Antropa larvae. A ♀
Promethea + ♂ *Potatoria*
came out, wrote Mr.
Harrison told him if
convenient I would go
to Whitstrop with the
camera tomorrow,
dined at Bowling today
The Station Master at
Thorp Arch gave me a

July.

Cracked Swift's egg
which had been found
on the ground 50 feet
below the place where
I had tried to get at
a nest on the 2nd

5. Left Leeds at 12-8

for Wilsford found Mr
Harrison had gone to
York & the rest were in
the Hayfield. I had
taken the camera but
all were too busy
to get out the Mare.

Mr. It gave 5 tree
Sharon's Egg Taken
out of a hen stuck
I found Pied Wagtail
nest with 5 eggs built
in ivy against wall -
Many Swallows built
under the eaves but
the nests differ from
the Martins in being
topless & not being
within 2 inches of
the sporting - I found
1 in a shed built

July

against the wall
although several others
were built on the
rafts in the usual
way. took nests of
Swallow Martin & the
Red Wagtail for Museum

6 Trotted about the farm
doing nothing in particular

7. Got up early & took 6
negatives of the Prize Mare
& foal. Left Hamerton
at 7.46 & developed the
photos at Whites & found

them all good,

Grassham commenced
work at Museum for
a month's assistance

A ♀ promethea came out
at night finished the 3
Ba Maps -

8. Had dinner with Birch
& tea at Headingley

No 42. Left by 8.10. train

Nicholson gave me a

young Lapswing caught
at Pateley.

9. ♂ 7 Promethea, Came

July

out, the Keeper sent
me a young Waterhen
10. Harland's Son Ernest
caught me 2 ~~young~~
Landrails alive, gave
the former 2/- and
arranged to go out
with Harland tomorrow.
took Lion's Claw to
BarracloUGH to be
mounted as a brooch.

11. On going from Thorp
Station to Watton I found
a bat lying on the road

either whiskered or Matternes
(Reddish grey.) Went out
with the keeper to Walton
Wood but did nothing -

I had picked out some of
my best larvae to draw
& unfortunately left them
in the train. Commenced
I anercus to draw. ✱
12 sent Mr Harrison Photo
of his house Skinned
Bat made it out to be
Reddish grey. (*Vespertilio*
nattereri). finished the

✱ Next page

[40]

July -

L^r Quereau before
breakfast, at 1-6
Gurnell + a friend, ^{Smith} came
to Museum.
We went to Roundhay
Park, took 4 photos of
the Swans on the lake,
a wet day, went back
& on to Gurnell's house
at Hunslet gave him a
lesson in development
at 9-30 left for Headingley,
got brooch mounted from
Barradoughs paid 7/6.
Stayed at 42 North Lane

* 11. Took Landrills to
Headingley & put them
in the aviary.

13 :: Both the Landrills
have died. After break-
fast went for a walk
with Major Green, Spenside
Woodside - Kirkstall &c.

14 :: Gave Grassham
the Landrail he would
mount me the other
found 1 larva of P
Papae on Cabbage &
Many P brassica on

July.

Nasturtium & 1 *Pieris*
— ? on potato, At
night walked with Mr
W to Weyhill back found
1 larva of *L. Quercus* -
15. drew larva of *P. rapae*
✓ of *L. auriflua* -
Grassham gave me
imagos of *A. euphrosyne*
taken at Hambleton last
year. 2 of *P. brassicae*,
1 of *L. auriflua* & 2 of *L.*
chrysorrhoea, ♀ *Politoria*
Came out - Caught

imago of. *Sambucaria*
a *Grossulariata* and
16 ~~Male~~ returned the
Maps for Alterations
& Additions, drew
larva of *P. brassica*

17 In the evening I
Called on Mr Shier
Walton an old Entomologist
Spent noon with Birch
Mr Hiley lent me a
letter from A Davison
Birmingham asking for

July

particulars of Earthquake
to which I replied direct
also to Mr. Hiley enclosing
photo of Walton Church -

18. Completed Map of
Yorkshire & plan of Leeds
with Miles & Kilometers &c,
a & I promised her came
out.

19 Grassham came with
me to Walton at 1-45
After dinner went to
San Pond. Saw Kingfisher
Goring Cuckoo, caught

Meadow Browns (in gr
abundance). a few
Blues & Skippers about
Cut some Bullrushes
After tea hunted in
Orchard got *Margaritana*
Grossularia & *Sambucana*

Found Bullfinches nest
in Afternoon with 2 eggs
probably forsaken - left.

Found several *Querous*
curvæ grassham shot
Shot Flycatcher with

My '410. Fred Hartley [46]
brought me a ♂ weasel wh
his father got at Bardsey.
See 21st.

July

20. In Morning went
near Van Ponds &
got Many Blue & a
few Skippers, &c,
After dinner got some
more quercus larvae
& found nest of Shot
Flycatcher & young
in the orchard. Shot
fell dinner with cat
3 Anisoplas came out.
After tea took grasshopper
to Weymouth thro' the
Park home by the road

Supper. took out nets
got pronuba, Sambuca
etc, grasshopper Saw
a large bat Noctule?

21. The weasel which
I got on Saturday was
killed at Bardsey by
a whip lash, it together
with several more (probably
a family) was following
a rabbit, crossing the road.
Mounted it to day.

Same Roebuck note of
V. nattereri for "Naturalist"

July

Grassham made me
some setting boards &
I ordered Entomological
pins from Davis -

22 Had dinner at Bowling
& arranged with Wm to
go to Kuarebro' on Sat.
Mr Paul sent me a
Snipe. When I got home
Mrs W gave me one of
the young Spot Flycatchers
which she had found
on the ground I went
to the nest, it was empty

I soon found another
of them, & heard a
third but could not
find it, I climbed the
tree where I thought it
was & spent $1\frac{1}{2}$ hours
looking for it, I next
found another one 100
yards away & noticing
that they were all near
the ground I went back
to the tree & searched the
ground & soon found the
missing bird at the

July
foot of the very tree
I had climbed, they are
very young & all opened
their mouths for food
when I got them -

Grassham gave me ~~12~~¹²
Lauriflua imago - wrote
Mr Paul,

23 Mounted Spot Fly's

& Skinned Snipe

24 Drew *Grossularia*

Brassicae pupa. wrote
to Headingley. At night
looked for & found boy

Quercus larvæ Our
people came on & I
went mushrooming with
them, Arranged to stay
at Walton for another
month - letter from Mr Paul
25 Drew. A dispar and
P napi pupa. I
wrote Mr Paul & told
him W & Self would go
to Knaresbro' tomorrow
26. Letter from W saying
he could not go to
Knaresbro' & left Leeds

July

at 12-8 for Knaresbro'

Wet afternoon Mr Paul

+ I went for a walk

thru' Scriven Park &c,

27 Went out after Break-

fast with Mr Paul for

a stroll, Railway em-

bankment, caught a

few Butterflies, Rain in

afternoon, Went out

again after tea along

Leeds Road. got a few

larvae on Cabbage.

28 Mr Paul gave me a

Spray distributor to
try how it would act
for larva blowing -

Left Tmarestro at 8.7 am

On the 26 I had received
a letter from Lee Lees

Nat Club asking me
if I could take charge
of tonight's meetings

Had tea with Birch +

attended L N C Council
meeting then ordinary

Club meeting I exhibited

Oven Birds + Edible-nest

Early Aug.

Script & other foreign
birds' nest Bat etc etc
Slept at Headingley

29. Letter from Mr Harrison
asking me to obtain 2
enlargements from one
negative. W. Bland sent
me a Lemmet too long
dead to be of use. ♀

Found several *P. rapae*
larvae on Cabbage. Walton
30. Miss Bent me first
proof of "Object Lessons
from Nature" to read

onet. Sent Walker $\frac{9}{10}$
of L & C proceedings.

31 Sent J^r Smith 12/6 for
Proof Attendance. Got
larvae from Davis. Kent

Aug 1 - Went out at 5 am
with Wragby & Saw several
Corn Buntwigs & large
flock of Lapwings - Paid
Roebrick £4-15-8 for

Y.N.U. Subscriptions.

Grimeshaw gave me a
Trap Door Spider?

& a Blatta both from

am

Jamaica in Lag Wood
2. after tea took Wragby
to Bolton & had tea
with Tennants. Father
found L Quercus Larva
Plan of Leeds discarded
on 7c of Small lettering
by B A Committee
3 went to Service in the
School Room - a.m. - and
after dinner Father Wragby
& I walked to Cowthorpe
Oak Thro' Moss Cans
then over the Kiddy

to Munsingore saw
Kingfisher on the river
4 Bank Holiday - At
Museum. Instead of
getting off train at
Thorpe went on to Newton
Kyme, Bazaar. Had
a chat with Mr
Challoner who took
us over his house.
Showed us his garden
Stuffed birds etc. Also
met Miss Stanfeta
of Westwood. The
Went to Reading at
[58] noon

Aug.

Money in Bazaar for
Children's Orphan Fund
Wagby & Geneva went
straight to Leeds got
Egg of P. brassica in
Mr Challoner's garden
5. Egg hatched today.
6. Got gun license -
Doten sent me some
birds incl Blk. headed
Gull (Summer) Ring
Plover. (Tr) * 2 Misses
Thrushes - went out
before breakfast & shot

a Rook. Saw Mr
Clough who said I
might go down in the
morning for a rabbit
Commenced to write
description of larva blower
7. Went down to Hall
Parks. fired 3 shots &
got 3 Rabbits Saw a
young Water Hen
Received Enlarged Photos
from White he charged
me 6/- each
Left Leeds at 3.45 for

Aug

Harrogate. Visit show
of Yorks' Agricul. Soc =
I called on Fortune
Left for Thorp at 7.30
8. Took photos of Mare
to Armitage to frame
9 Shot young Robin in
part adult plumage.
Went to Headingley by
1.5 train & took Rose
to Watton at 8.10. to
day a ♀ & yesterday
a ♂ promethea came
out.

10. Walton Church in
morning rained all
day.

11. Replied to a letter from
Clarke asking me to send
him some Natterer's Bats.

12. After tea took 3 Photos
of Miss Whitehead & her
cow & then walked with
Rose thro' Bighill Park
to Healeaugh & called
on the Gypsons. They
put up the horse &
sent a man to drive

and

us to Walton - Burgess
called at Museum -
13 Received frames from
Amitage 6/- each -
14 Went out past the
Pond & saw a Stoat
15 Intended to go to
Bramham but was pre-
vented by the bad weather
16 In Afternoon walked
to Tadcaster with Rose
Called on Mr Johnson
had a look round the
Cemetery & returned to

Thorp Arch by train
17 Walton Church in
morning. St Helens well
with Rose in Afternoon⁺
after tea Father, Rose Mrs
Blanchard & a friend of
hers Miss Wood London
& Self walked to Jackdaw
Crag and home through
Boston calling on Mrs
Nelson.

18 The Cat was eating
a Red Field Vole this
morning. - Meal paid

and
me £2 on acc of
drawing for Cassell's
£1 of which I left
for Subscription to B. & A.
we all went to Blauhaus
in the evening -

19 Went out before break-
-fast & shot a Common
Bunting, At noon to
Readingly & brought
down some Music &c.
Commenced to arrange
my Stereums &c at
the Museum - Saw

Lesser Shrew - Missed
Swifts at Thorp Arch
Station for first time
20 Called to see Birch
at noon, he had just
returned from Unk/land
21. Went to Hall Parks
at night shot a Rabbit
& obtained a ~~Red~~ ~~Red~~
~~Hole~~ from a Cat dead
but not damaged.
In returning met Mr
& Mrs Clough & turned
back with them -

Aug

Went down to try
to get another Rabbit
but it was almost
dark 8-30. In coming
away I saw something
moving about 20 paces
ahead of me, too dark
to see my barrels but
fired where I thought
the object was, the
smoke was projected
in a patch on the ground
& a slight squeak told
me that I had "hit"

on touching the creature
for it was too dark
to determine otherwise
I found it to be a
hedgehog - dead -
Willie came to Walton
to day - weighed to day
at Wetherby 10. st. 4 lbs.
22 went to Hall Parks
with Willie before break-
fast, I shot a rabbit
which I gave to Mr
Clough he shot a
young Swallow with

and

the '410 - A man
at Dewsbury sent
a worm with one
head & at about $\frac{1}{2}$
its length it bifurcated
& formed 2 tails of
about equal length.
Crossley sent me a
longicorn brought
from Jamaica in
logwood. Roebuck called
tasked me if I would
write the Vertebrate
Rate for Malham Ex.

excursion in connection
with B.A. I told him
I had never been
there when he produced
a handbill of a $\frac{1}{2}$
day excursion on the
27th & if I would go
I could write the note
& include some obser-
vations which he had
received from Booth
of Bradford. - promised
him note on Wilthrop
Swallows for Naturalist

and

Spent the evening at
Hall Parks. Miller left
by 9-0 train for Amesbro'
23. wrote Mr Harrison
re Photos, went to
Hall Parks in afternoon
& got 4 Rabbits. Spent
the evening at Blanshard
Received ticket for Con-
-versations of Pharmaceuti-
-cal Conference on Sep I.
Letter from Mr Paul
asking me to go to
Amesbro' & thence to

Pilmoor with gun on
Monday-

24. Father Rose & Self,
walked to St Helens
Well before dinner -
Called at Nelson's in
the evening & went to
Boston Church with
after wh we (R & I)
had supper with them

25. Left Leeds at 11-0
& was joined at Knares
bro' by Mr Paul &
Willie on to Pilmoor

having had a little
time to wait at
Harrogate I called
on Fortune & he said
he would send me
some stermuns, at
Pulmoor met Mr Gray
& went on to his ground
all I got was 2 Rabbits
& a 52 yards shot at
a sitting Sparrowhawk
but altho the shot
broke the bush all
round where it was

Sitting the bird flew
away. I got some
larva - ³ L. rubig. Mr Gray got
nothing at all. Left
Pillnour at 8.35 for
Quaresbro' & spent the
evening there -

26. Returned to Leeds -
Engaged Keat for
B.A. Museum at Town
Hall.

27 Left Leeds at 1-5
with Roebrick arrived
at Bell Busk at 2-30

walked to Malham
through Airston & Kirby
Malham - then to
Malham Cove & saw
the Aire coming from
out of the rock, climb-
ing up the east side
we got on the top &
then made for the
Tarn, returning by
the place where the
water sinks we struck
the road from Morrison's
house to Kirby

Malham where we
had tea & left at
8-0 Walked on to
Bell Busk & got our
train at 9-25, Saw
Wheatear, Curlew, &
some Ducks sh?
on the Moors.

III. The above was
written in the Buck
Hotel ^{Kirby} Malham, where
we had tea, after
which at 8.0 we
started off & went

through Airston & then
in the dark lost our
way of which we soon
became conscious. We
trudged on by moon
light & Roebuck said
we were going towards
Hellifield I said we
were going more to the
East On & on & on we
went without seeing
a house but at last
we came across one
& found we were

nearing Jaregrane we
had long known that
we had missed our
Excursion train & learned
that the next and last
was 3.30 am from
Skipton - we accordingly
compassed the 6 miles
to Skipton - & then found
that we could get on
to Leeds at 2.20 from
Keighley so off we
started but after we
had gone some way

a railway official
came after us & told
us that a new train
left Skipton for Leeds
at 1-0, I was for
going forward to Keighley
but Roebuck preferred
to wait, so we waited
from 11-30 to 1-0-

In passing Eshton Hall
I heard a Barn Owl
hooting. I am writing
this in Skipton waiting
room, we have inspected

the map & made out
where we had gone
wrong - we did a fine
old round - the various
distances are Bell Busk
& Malham - 5. miles
to Tarn & Back 5
Malham to Airtou
3 (nearly) to Gargrave
5. Gargrave to
Skipston 4. total
22 - Left Skipston at
1-0 arrived in Leeds
1-50 walked to Mendips

Turned in at 2-30-
28. Mr. Hartley told
me that Lady Morrison
had called & wanted
to see me. I went
on she wanted a photo
of her house & another
of her drawing room
in addition to the one
I had taken more than
a year ago. Mr. Chal-
lenger of Newton Kyme
brought me a gigantic
Puff Ball. $8\frac{1}{2}$ lbs &

48 inches in greatest
circumference, Father
took 2 photos of it
in my charge -

29 Mr Stewart sent me
Missel + Song Thrush,
Ring Plover, Turnstone
+ Common Gull. from
Westport. took Puff Ball
to Birch to be cast
wrote Note for Vertebrate
Section in Excursion
programme. A Representative
of the Yorks' Post called

+ I agreed to supply
Meteorological Reports
for the Yorks-Road
Evening Post which
makes its appearance
on Monday for the
first time - went out
before breakfast to
Hall Parks. Saw a
Kingfisher shot Pied
Wagtail Tr + 2 Rabbits
Saw Rose off to Leeds
by the 7.14 pm train.

W. W. Sagen.

30. Received larvae from Davis - wrote Stuart, Challoner and W. Harrison for ferrets for Harland - after dinner we all went to Blanchards + spent the evening.

31. Took Bernard to the Tan ponds, Goose moor &c, got nothing but some peculiar fungi, After dinner walked with Father. Miss Blanchard

Aug - Sep -

Miss Wood to Hunt Mills -

Sep I. Got my B a
tickets Guide Books

to Took Rose at night
to Conversazione of the
British Pharmaceutical

Conference at Phil Hall
^{Sept at Headingly}

2 Received intimation
of "Old" Backhouse's death

Bought 1 in Ordnance
Map of Malham & Dist

.60 old gr sk. w. 2/6.

Wrote note of Buff Ball
for York Post & Mercury.

Wrote Backhouse -

3 Had tea with Birch
Cast Puff Ball attended
President's Address at
Coliseum then to Head?

4 Spent 11 to 2 in
Biol Sec: Saw Cordeaux
Hoyle Newton, Tristram
Ward &c - After the
proceedings went to the
Anthrop Sec: & heard
an adverse criticism
on Morris' paper on
Doctrine of Hereditism

Sep

Morris was not there
Went to reception room
with Slater, Chadwick to
then to Phil Hall &
found Leale Prof Hower
wanting me. Went to
Readingley to dress, To
Sovree at 7.30, Reception
by Mayor Mayoress at
Art Gallery. Hewetson
asked me to go to his
house to supper to meet
Prof Hewetson, but as I
was not likely to see

him again among
1600 people he told
me to go on when I
liked, left at 10.0 &
found Prof Newby alone
at Hewetson's house &
had an hours chat
with him as the hosts
did not come in
until 11-0, left after
supper & got to Headry
at 1-0 am. Both Flower
& Newton to call at the
Museum tomorrow

See

mounted print of
Puff Ball which White
had toned for me -
5. Prof Newton and
Canon Tristram
called together & I
showed them over the
Museum, also Dr
Hy Woodward, on
a separate occasion
Had tea at Reading
after which went to
Leeds by train and
attended lectures in

Caliseum by Poulton
on Minicery - Slept
at Headingley -

6. Went to Leeds by
8.23 train with
W. Asquith & after ob-
taining the B.A. paper
at the Reception Room
as usual, sent photo
of Puff Ball to Mrs
Challoner, asked Father
to write to Mrs Vause
re my spending my
holidays at Southampton

Sep

Sept Leeds + 11-0 for
Thorp Arch via Church
Fenton + Tadcaster,
When I got to Thorp Arch
I found Miss Wood +
Miss Blanshard on the
platform the former
going to Scarbro', Miss
Blanshard drove me to
Watton. - After dinner I
spent an hour in the
wood near the station
and at 2.37 joined
Emmet at the Station

to meet a party of
the British Association
Only 10 turned up on
this party. Emmet
was the leader, he
took us to Thorp Arch
Church & then through
Mrs Hatfield's park
I had a word with
Randal & his tutor.
who were playing
Cricket. Went up to
Hunt Mills, where I
left them, they were

Self

ferryed across the
river by the keeper
but I came home by
the Walton Road, after
supplying the Yorks' Post
reporter with particulars
Received a letter from
Reigley Nat. Club
asking for a paper -
commenced to write
"The Sterna of Birds".
7 Church in the morning
After dinner paid Mr
Blanchard a visit

went on again after
tea.

8. Left Walton for the
last time my pass
expiring. Met Scharff
at Reception Room
he + Roebuck went
with me to Anthro-
metrical Laboratory
where I was measured
tested + supplied with
the result in M.M. &
went to Library +
inspected Owens Comp

Sep

Anatomy for Sterna
of Birds, wrote to Sec
Kerghley Nat Club &
declined invitation -

Handed in my applicat
for ticket for the

Malham excursion -

went to Hendonley &
had a walk with Rose

through the Park as

of Old - ^{Mr Harrison took his} photos away ^{paid the}

G. Yates lent me Owens ^{\$4.50}

Anatomy from Reference

Dept. - A.S. Woodbald

called & invited me
to London in Oct-?

"Our People" came to
Hendripley today to
settle down again -
went to Soirée at Art
Gallery at 8.0. Birchall
asked me to go to dinner
at his house tomorrow
at 7.0.

10 Got my ticket for
Malham Excursion 9/-
at 7 I went to
dinner at Birchall's

Self

but left at 10-0
Dr Woodward called
at Museum left me
some pamphlets &
invited me to call on
him at 80 Kensington
11 left Leeds at 8.25
with B A + Y H U Excursion
to Bell Busk, Carriages
were provided for Malham
but Massee, Cheesman
Bunker, Wilkinson + Self
walked on 6 miles and
inspected signatures of

Oliver Cromwell at
Kirkby Malham Church
en route - Had lunch
at the Bush & set off
at 11.30 - Backhouse

Cheesman Roebuck Bunker
Woodward self & us walked
up Gordale Scar & on
to Malham turn took
boats to lower end &
in crossing saw Mallard
Widgeon & 2 Grebe. just
outside Bell Bush I
had seen my first

Sep 20

Wild Goldfinch. On
leaving the Tern we
came on to Malham
Cove & on to Malham
at 4:30 had tea and
all started at 6:30 in
Wagonettes for Bell-Bush.
Woodward (A-S) asked
me to spend Sunday
with him when I go to
London at the end of
the month. We numbered
about 60 had gone &
returned by special

train arrived in Leeds
about 8.30. See "Nat"
for fuller account.

12 Miall left for
Belgium to day. Framed
2 spare plates of "Familiar
wild Birds" Redshank &
Kestrel, letter from Mr
Paul asking me to go
to Knarebro' for my
holidays, - replied -
Commenced drawing
of Sterna.

13 Gurnell came up to

Sept. 90

Readingley at 2-45
as we had arranged +
we went to 3 Horse Shoe
2 h C excursion to Adel.
Hummel Taylor Walker &c.
inspected Adel Church
Taylor & Gurnel went
back with me to tea +
the former invited to
me call on him at
Lynn's

14 Sunday, Did not go
out in Morning - After
dinner took Rose to

The Reformatory, Mr. Lewis
lent me Drummond's
"Tropical Africa" & gave
me "Botanical Names
for English Readers"
of which he had 2
copies, stayed to tea.

He also gave me 2 c
A V's of himself -

15 Took $\frac{1}{2}$ plate negative
of Lady Morrison's
drawing room, before
breakfast. Stop No 2
30 mins exposure

Feb

Took dictophone to
Burch at noon. Made
drawing of some
sternums, as I had
done on the 12th + 13th

Commenced to enter up
"holidays + excursions" etc
in my New register. ✓

16 Took photos of Skels of
Apteryx + Inamon with
Mr Christie + developed
4 of them at night.

Drew Sternums of Apteryx
& Strigops, 2 of each.

17 Bought doz Thomas's
Lantern Plates + Print & paper
wrote report of Vertebral
Section Malham Ex:
for Naturalist, Made
lantern slides 1 of Skel
Apteryx + 2 of Tirmamou
18 Bought another doz
lantern plates + Clearing
Solution, gave the
lantern slides to Mr
Christie + made 3 of
the same for myself
19 Mr C. gave me photo

Sep

of himself + 5 photos
of trees, got handbills
of Excursions to Southampton
via London + wrote to J.

A Reid re proposed visit
took photos of Apteris
(Owen's) Stuffed Specimen
+ Made 2 lantern slides
of it at night + also
2 of Skeleton, different
view to that on 16th

20. My rewt, When
we went to Walton I
had 1. T. cristatus +

Several T tenuatus Now
I have only 3 T tenuatus
& the 1 T cristatus, it
seems as though T c:
had thinned his smaller
relatives, on this date.
I notice that he is
floating & cannot go
from the surface &
if pushed down at
once rises with the
part of his back be-
tween the fore & hind
limbs out of the water

Sep

developed negatives of
Lepidodendron & Fossil
Fish for Christie, And a
walk & to Kirkstall
Bramley, Newlay Hors-
forth nearly to Meadon
& back to Horsforth Station
Train to Headingley -
21. Called to see Irvine
in afternoon and to
Headingley Church at
night. Wrote to Flower
& Sclater for permission
to photo in British

Museum * at Zoo
22. Saw Fortune who
called at Museum
he promised to lend
me his $\frac{1}{4}$ plate
camera wrote to Mr^s
Smith. Southampton
Took photos to White
to be toned + mounted.
Wrote Bradford Nat Club
to change date of
lecture from Nov. 3.
My date at L.N.C.
Took Caterpillar Cabinet

Sep

Home, Made Lantern
Slide of Wenlock lime-
stone slab for Christie.

wrote to A Beale I
had written to A.S.

Woodward Yesterday

23 Received permission
to photo in Brit Mus =

Received letter from
J A Reid + replied.

24 Fortune sent me his
Camera I called on
Cox who has an old
1/4 plate to know if

his double backs will
fit this camera, will
let me know, went
to Birch after leaving
Museum had 2 stumps
drawn. At night I
made $\frac{1}{4}$ plate camera
front to take the Ross-
Letter from N. Beale,
Syllabus from Bradford
Wat: Club, I changed
my date to Oct 20th
25 Tried camera on
Monkey Cat + Rabbit

Sep

Skulls - Sheridan
Lent me a Greenbank
from Achill, & I
asked him to work
up some sternums
for me, Cox lent
me 3 double-backs
which he said would
fit the camera - Got
card from Woodward
to say he would keep
Oct 12 open for me
letter from Reid &
Mr Smith. at night!

made lantern Slides (2)
of the skulls I photo'd
this morning Sent
3 Photos to Lady Morrison
of the interior of her
room, lined sutures
of Turtle's Skull for
photographing -

26 Took 4 negatives of
Turtle's Skull, Got
Exposure Book Developer
to from White - On

receiving my salary
£19-5-0 I paid to

Roebuck £4 19- 8

Y.N.U. Subs to date.

Bought a Mackintosh
at Yorkshire Rubber Co
Burgate for. 27/6. Made
lantern slides of Turtle.

27 Got my ticket for
Southampton via London
£1-2-0 return - Received
permission to photo in
Zoo but not for free
admission, Telephoned to
Hewetson who promised
to send me 2 tickets by
[113]

post, sent in my $\frac{1}{2}$
against Brit. Association
£6 for drawing Maps
Swallows + Martins still
at Headingley.

28. Sunday, - Our people
left for London
yesterday so I
had the place to
myself today,
packed up my things
for my holidays to
start from Leeds
at 8-50 for London

by Midland per
Cook's Excursion to
Southampton via
London & return

Same way 23/-
29th in New
Rate Book No. 21.

[117]

Nest Making fish.
Strickelback -
Bullhead - 12th
damp. Snickers (Bengal)
Walking Fish -
(fisheroid)
Gnaws in Sand on
Shore -
Hippocampus

Book No 20
June 12 to Sep 28

1890

AMS587/18

[118]

ALMANACK

1888.

LEAP YEAR.

SMITH, SON, & DOWNES, LONDON.

JAN.

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...

FEB.

...	...	...	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	...	...	...

MAR.

...	...	...	...	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
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APRIL

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8	9	10	11	12	13	14
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MAY

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27	28	29	30	31	...	...

JUNE

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JULY

S	M	T	W	T	F	S
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22	23	24	25	26	27	28
29	30	31	...	...	...	...

AUG.

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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	...

SEP.

...	...	...	...	...	...	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	...	...	...	...	...	...

OCT.

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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	...

NOV.

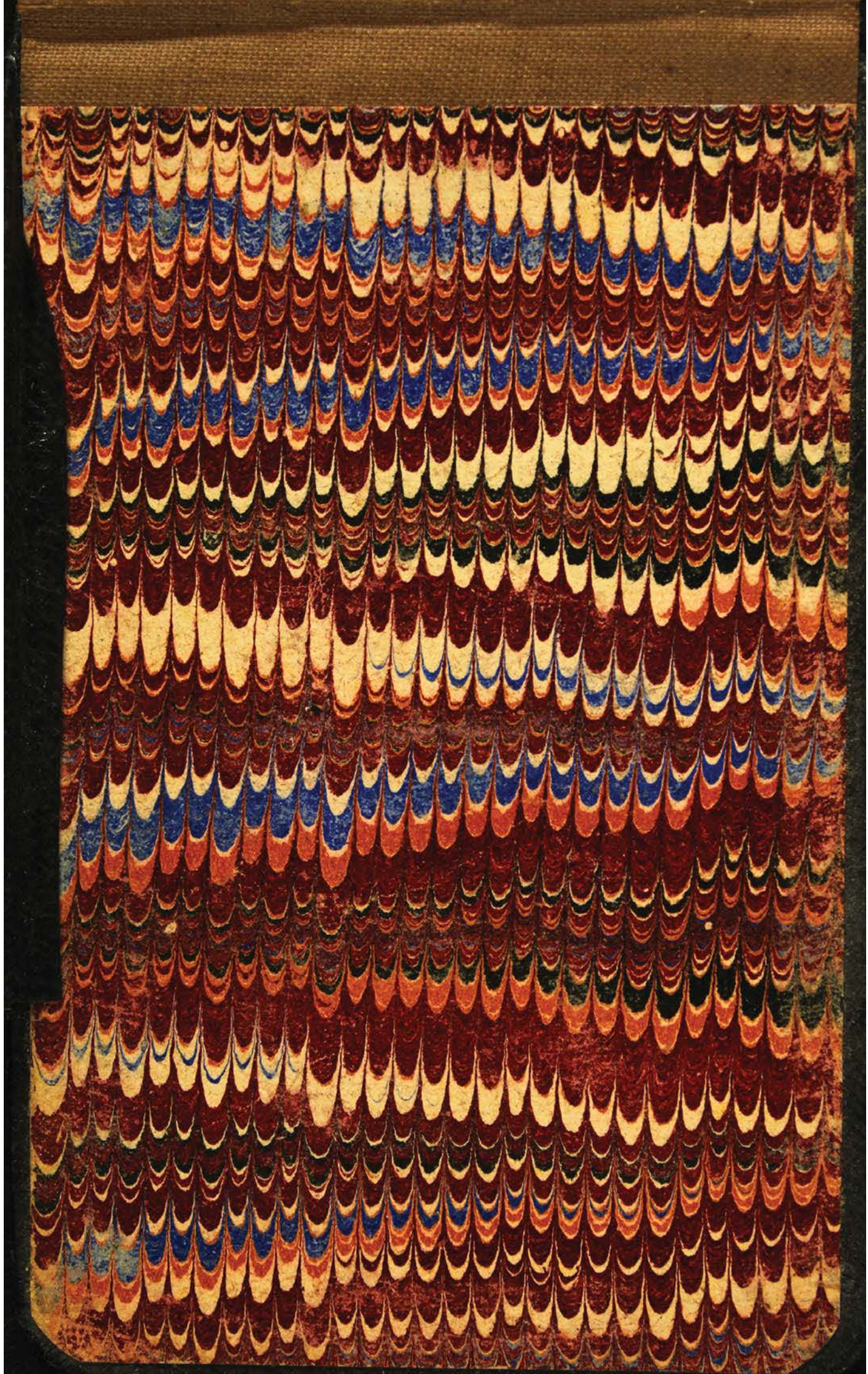
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DEC.

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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	...	...	...	...	...

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20