

$$\begin{array}{r} 1 \\ \hline 021 \\ 4 \overline{) 30121} \\ \underline{11} \\ 11 \end{array}$$

$$\begin{array}{r} - 21 \\ \hline 1221 \\ 4 \overline{) 1724} \\ \underline{11} \\ 12 \end{array}$$

$$\begin{array}{r} 4 \overline{) 618} \\ \underline{217} \\ 401 \\ \underline{179} \end{array}$$

- + A Reflecting Telescope
- + Artificial Magnet
- Hydrostatic balance
- + Air pump Apparatus
- + Thunder house
- + Tripod
- + 2 Cases of Math. Instruments
- n Optical Glass
- + Glass for the Aurora borealis
- Prisms
- Concave Mirror
- Rady's Quadrant
- Mountain
- Sphericals 12
- Read in Dispari
- + Spiral tube
- + Stone - Bone saw
- + 12 inch Glass plate
- + Army clockwork
- + Bracket and Syphon, Spoon

Etubinet Mad

Card paper

+ Brass wire

+ Tumbler

Wax cage for the square sheets

	Sh	S	D
Præface to 10	0	8	6
Four letters and figures	0	6	0
Waddington on the Long	0	2	6
— An officer a patient	0	2	—
Optical records	0	2	6
Map of London	0	3	6
Letters of the laics	0	1	0
Introduction to the reading the S.	0	1	0
English Grammar	0	0	4
2 Letters to the Prebiter	0	2	0
12 books of the long table	10	—	—
Method's small 3. 4. 5. 6.	0	10	—
Latin Meditations	0	2	6
Latin Ge.	0	6	—
Latin Alms.	0	11	—
English Preacher	1	7	—
Latin S. P. in Verse	0	6	—
English family prayer	0	4	—
Latin	0	4	—
Devian repository	0	7	6
Method's small	0	2	6
—	0	3	0
—	10	12	4

Brought forward	£ 23. 15. 1
Dues with	0 4 2
To Cash paid M. Gilbert Ac ^t	5 0 0
To Glass Cylinders and Gt.	1 10 0
Knicker's English history	0 2 6
S ^t . Pauls	0 1 3
Town	0 5 0
Town	0 0 6
Watch papers &c	0 5 0
Key to the Tutor's Guide	0 3 6
Pamphlets	0 5 0
Vauxhall	0 2 6
Mar. Gardens	0 3 6
Hay Market	0 2 0
Drury Lane	0 2 0
Prague Mills	0 1 0
Sadlers Wells	0 1 6
Robin Hood Society	0 1 0
Co's Musgrave	0 5 0
Old Party	0 0 6
	£ 23 15 1

Brought forward	£ 23. 15. 1
To M ^r . Foxwar	0 2 6
Cook's Elements 2 Vols.	0 2 6
Charity	0 2 0
Greenwich	0 3 6
Tus to foot &c	0 2 0
Waterworks	0 7 0
B. in Lon: B. H.	0 10 0
Prinly on Puffins	0 6 0
To B. M. G. Ac ^t	16 5 0

at Barnby Moor - paid 3 for fire - did
at Ferry bridge where we saw two boats
lower than masts in passing through
the arch of the bridge. Left our two
Companions at Burrow bridge - arrived
at the new inn at 10^o, terribly tired
- drank some warm punch - got
better - went to bed, slept pretty well
excellent bed - Set off at 4 - wheel
broke - stopped at Brough at home
mending it - At this place a great
deal of stuff cut - some to cut down
Great Mr. a little house in the
middle of the garden by way of

fine and
beside it - Arrived at Penrith to
dinner at 5 - post, a curious colour
- from Burrow bridge to Penrith only
2 in the coach - 3 from P. to C. - during
this whole stage talked of goldfish &
slept - wearied much for C. - at length
arrived - were harassed on the streets by
a set of fellows, some of whom bawled
out blue, some yellow. When we enquired
into the cause we found it was election
time. The Sun was so strong we were

obliged to sleep in a house - got
an excellent bed &c. - Next morning
when we enquired for a post chaise
we were told there was not one in
Carlisle - we then found to be true
what our honest landlord at Stamford
told us - that all the world was now
on wheels - it is now 8 o'clock at
night - a chaise is this moment re-
turned - we have engaged it against
tomorrow at 6 in the morning - I
have been writing this for an hour
by post while my friend the Doctor
has for the same time been racking
his brains inventing for the solution
of that sublime problem to turn
a rectangle into a square -

(Went to the Cathedral an old
venerable structure - the Castle a sorry
fortification - badly situated, the benches
mattly filled up -)

At dinner on Monday the
Dogs. Mr. A. D. Kirkie will
begin his Mathematical classes
the first at 4 the second at 7 in
the evening. In

18 July. 1841
Copy of some notes in pencil
on the preceding pages. Wm. J. Proudfit

London 5 Oct. 1774
Set out from the George & Blue
Boar at 10 o'clock, after taking leave
of Messrs. Lewis & Lawson. On Friday
Commodore talked much of sailors - men
and 2 boys - 4 at this time in the
Coach - a lady sick - Breakfasted
at Big - paid 6. for fire -
disputes on conductors - At Stilton
got useful horses, and drivers who
had never before been in the trade
- took 4 hours from Stilton to Stam-
ford 14 miles - the drivers conscious
of their ignorance went off without
asking their usual perquisites, a
thing very uncommon among drivers
- Arrived at Newark at 11. after
supper were entertained by Mr. C.
with the reel of Tulloch & Co. on the tump
- Good bed - decent chamber maid -
slept sound - Set out next morning
at 4. At Stamford bought some
Walnuts and a pair of crackers
which I left on the table. Breakfasted

Come in Lam,
Get your Book
Laid down Here
Read this Page

M^r Ashton's Compliments to
M^r Dunwiddie. would be obliged
to him if he would lend him for a
few Days the first Volume of the
Preceptor

Mar. 20
1778

Books

- The best Ephemeris either printed
or English —
- The best Greek Eucleid —
- English Grammar —
- Voyage by the authors General
Ladies Arithmetick —
- Ladies Diary —
- Sermons Separate —
- Amis's Sermon —
- Hutton's Arithmetick —
- Practically on Ar —
- Ferguson's Astronomical Tables

I have been awaiting this
for an hour by post which
my friend the Doctor, has for
the summer been reading
his numbers for the solution
of that sublime problem
to turn a rectangle into a
square

Wrote the cathedral on
a venerable structure -
The castle a very fortifed
and by school the churches
are mostly pulled up

Expenses from London to
Carlisle ~~by the~~ ~~Coach~~

Coach £ 3 " 16
By the way 1 " 1
£ 4 " 17

Wintatyle
From Bunow Dige bright
shinnis this was a ~~very~~ a ~~very~~ welcome
on steamers, we had at this
time an old Quilman in the
Coach who has not been in his
bed for 27 years* owing to an asthma
and he was going to give his
vote at Newcastle for the N. P.
A. P. P.

Carliole

Should pay me the balance
of my account on the 1st
of the month - - -
That you have no balance
out of it - - -

Jan at Bath

quinn

My dear and be damned
husb

we found it was election
time - the Inn was so thronged
we were obliged to sleep in a great
house got an excellent bed &c -
the morning when we began
for a post chaise we were
told there was not one in
Carliole - we then found to
be true what our host
said he had a stamp
in that all the world was
now on wheels - it was
eight o'clock at night &
there is this most return
we have engaged it against
tomorrow at 6 on the morning

Near to this place I saw a
hail of down,
I got the C. and she got half
a crown.

Nay rather than to be
friendly to you,
By which you may avoid
the fault he should have.

at this place a great deal
of stuff out some to cut down
a little house in the
middle of the garden by way
of an ornament. The halcyon was
found beside it. arrived at
Pompeii to dinner at 3 past
a various colour - from brown
edge to Pompeii only 2 in
the exact - then past P. & C.
during this whole stage talked
of politics and Clipped - mean
much for C. at length some
were brought on the street by
a set of fellows some of which
bawled out blue some yellow
when we enquired into the cause

The dinner consisted of the
signature went off without
disturbance their usual
pursues. a thing
very uncommon among
Diners - arrived at
Newark at 11 sat
after supper was en-
terained by Mr. G. - with
the rest of the Club by an
the trump. good bed -
several elegant meals -
the room - a most nice
morning at 11 - at Newark
bought some water and

a pair of water which I left
on the table. - Breakfast
at Newark was fine &
fajolier - Dined at Ferry
bridge - then we saw two
boats down this water
in passing thro the arch
of the bridge - Left our
two companions at Newark
bridge - arrived at the river
in at 10 1/2 - had by good
dunk some warm punch - got
bitten - went to bed with
well - excellent bed - at 11
at 2 o'clock but the night
at Newark or from Newark at

London 5 Oct. 1774

Set out for the George and
White boat at 10 o'clock
after taking leave of Mr
Horne and Lawson —

on finding my room on both
much of rollers — man and
two boys — & at the time on
the coach — a lady with —

Breakfasted at Bigg's
paid 6d for fire —

on condition — at Shelton
^{market}

got horses and drivers who
had never before been in the
trade — took 6 hours from
Shelton to Stamford 11.00

100 Strokers of the Piston
3 galls. out a part of fuel

33. Has Electricity history
 as does it communicate magnetism
34. Does a vessel of cold water
 in a room take new paint
 take off the gloss and the smell
35. Does an object raised above
 the horizontal plane appear
 of the same bulk as on
 the horizontal plane
36. Does not a projectile in
 the air describe a segment of
 an Ellipse? —
37. Whether should a cask
 of the first or 4th var. have
 the greatest corner multiple
 to reduce it to a cylinder

- 38th — Why does it rain at
 high water rather than during
 other parts of the day? —
39. Two are two circles the one
 15 $\frac{1}{2}$ circumference, the other 13 $\frac{1}{2}$
 Diameter how much does the area
 of the one exceed the other? —

22. Why does a piece of Ice
when exposed to the air in
a snow fast loose part of
its weight?

23. How are the spheres of the Ape-
lion, and Perseus (of the Earth
constituted exactly?

24. Why is the rising and setting
of the Sun in some latitudes
not equally Oblique to the Equator?

25. In northern Latitudes the best
remedy for excessive cold is to cover
the part most affected, with snow
upon ^{what} principle can this be
accounted for?

26. Why does the blade of a sword
or knife when exposed to a snow
fast in Lapland during the night,
burn the hand next morning?

27. Can not a perpetual motion
from the ~~force~~ known laws of
Nature be demonstrated to be
impossible?

28. Does Heat expand a sphere
of metal both externally
and internally?

29. Why will not the thermometer
rise, tho' the greatest heat be
applied when the air is ad-
mitted at the top?

30. Does the magnet approach
the Earth and with what
velocity?

31. What is the present obliquity
of the Ecliptic and in what
proportion does it decrease?

32. Why does the Planets move
in Ellipse, is this figure neces-
sary?

8. Why is the heat of a burning
Circumference at any point not
proportional to its distance from
the focus?

9. Upon what principle can
the variation of the compass
be accounted for?

10. Does fire rarify bodies in
proportion of their weight, magni-
tude or in any other ^{quantity} proportion?

11. Why do burning specula
when cold reflect more rays
than when hot?

12. What is the cause of water
sprouts and whirlwinds?

13. What is the tail of a comet?

14. What is Saturn's ring?

15. How is the altitude of the Atmos-
phere determined?

16. If altitudes in the Air be taken
in a tube what the rarity will
be in Geometrical progression,
How is this demonstrated?

17. What is space, void is it become
or infinite?

18. Why does a bottle break when
its fluid contents are frozen? and
will it break if it is not corked?

19. Why is a black body more
easily set on fire than a white
one?

20. Why does not the heat of a
burning glass effect water, and
the thermometer?

21. Are there fixed, as well as equant
particles? what is frost?

Philosophical Questions

1. The simplest plant when he equally at the approach of a conductor and non conductor, how then can it be accounted for on the principles of Electricity?
2. What is the cause of the Aurora Borealis turning always to the Sun? —
3. Why does the sun shining on a fire ^{increase} ~~increase~~ its heat? —
4. Why do rotten wood, fishes &c. shine in the dark? —
5. What is the best account of the Aurora Borealis? —
6. Why do Glass drops burst with such an explosion upon breaking a little off the stalk? —
7. Why is the bottom of a kettle of boiling water not so hot as the upper parts?

4. *Dispositio in nomine*