Lunii

and

Pairs

on

Danois Delpe

Vol. 14th

London 22 Feb 1791

2173 Coffee is found in a metallic state in most parts of the world. Hence the reason why the first swords were made of brass. Iron is never found in this state

2174. A French writer has given a much better description of the Earthquake in Calabria than Sir W. Hamilton

2175. The Volcanic Theory has been probably carried too far —

2176. The new Encyclopedia will consist of about 130 Duodecimo Vols. Each

Why that contains a com-
plete alphabet —

Mutham

~~2177.~~ Is it not equally reason-
able to demand a Definite
Rest as a Motion? The
Fomes has never been at-
tempted, why then the letter
~~2178.~~ Might, nay Ye great ex-
plosion occasioned by
the contact of water and
red hot copper be brought
to some one? Pure
what rest of air is pro-
duced? whether does it
proceed from the copper
or water, and what is the

Mutatis Ut.

best method of collecting it without danger?

Sounds

~~2179.~~ May not sounds from circulations be increased by tubes? —

Explosions

~~2180.~~ The case decay of wooden wood with spontaneously fermenting wood — Lord Mc C.

Distillery

~~2181.~~ The salt produced by distilling for gunpowder will not suffice in a small number by distillation effects —

2182. A negro's foot bleed white by deposition of his mother acid by [illegible]

Author

~~2183.~~ A white man which [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Observer

~~2184.~~ A blister or pustule on a negro producer a white which never after becomes black —

Miscellaneous

~~2185.~~ Every vegetable substance is bleached very white by the deposition of the mother acid, but wool

Manufacturer

was tried by Doctor Webster and little or no change was produced. tho' the wool was well washed in an alkaline liquor previous to the application of Acid —

~~1816~~ The Negro handed foot passed through water into Dephlogisticated pneumatic air, but the cold was disagreeable her foot was in the 2d experiment passed through warm water — In the first the colour returned —

Experiments

~~710~~ A negro child whose born is of a deep brown colour, not any appearance in

Mondt.

colour from a dark infant

2188. It is said that in the interior parts of China there are no roads for carriages —

Roads China

~~2189.~~ In the east Indies Bullocks are killed by ~~throwing~~ a Knife into the spine at noon

Executions

~~2190.~~ The Electric Convention is charged with Men in Dephlogisticated air —

Electricity

~~2191~~ The quantity of coals consumed by Steam Engines

Engines

Steam Engine to Mast
of Bottom of Hold is
10. to 16½

The Spanish Merchants
Gentlemen who came
to Spain from Italy
in summer complained
of darkness the air
at night they said
on the olive tree on
which they feed, the
wild locusts then
they are shaken from
the tree like fruit
and easily collected on
a white cloth

V. Mirtow

Mechanics

Level without an Fluid.

Manufactures

It is said that bark will fix the dye on Cotton Handkerchiefs

Chemistry

Does the pressure ~~weight~~ of the Atmosphere affect the quantity of Steam produced for boiling water?

Natural Philosophy

The razors in China are made in long bars and cut into different lengths, better temper

Mechanics

~~2143~~. What change takes place in a pendulum when the point of suspension is higher than the pulse? —

Chemistry

~~2144~~ What is the proportion between the expansion of a thick and a small bar with equal heat — pressure on the Pyrometer? —

~~2145~~ Sir Isaac Newton discovered that the angles of Incid. & Ref. in refl.ng substances are not the same

as in substances not in-
flam.ble hence he imagin
the ~~such~~ diamond to be an
inflam.ble substance —

2196. Does the marine
acid decompose flints?

Chim

~~2197~~. When a wire ha
been once heated by
electricity it is difficult
to melt it — The same
is observed in iron filings
when they find it es-
tremely difficult to fuse
the iron if they fault th
first time — Dr G-

Chi

~~2198~~ Mercurial wire is
made straight by the
electric explosion

Chi

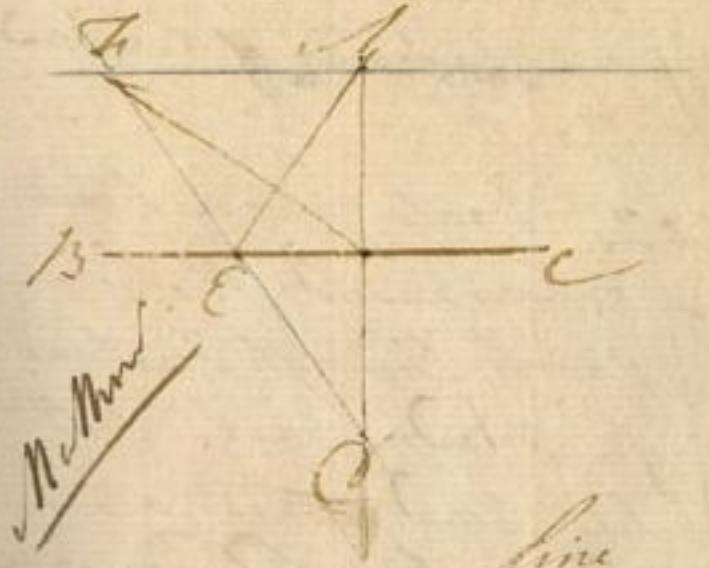
~~2nd~~. Discharging jars and Batteries, & one may be charged negative the other positive at the same time, and as soon as ~~sooner than~~ either of them singly —

~~3rd~~. When a single jar is to be charged positively, connect the out side with the earth it will then be charged in less than one half the time. J. M.

~~4th~~. To professors the room by Electricity

Take a glass tube of about 3/4 inch Dr. Draw one end of it into a capillary tube, fill it with some oil of roses, orange water, or other perfumes which this is held in the hand of a person insulated or stand on the conductor, the room will be finely scented with a shower of smell drops

To draw a right line par. to another through a given point



If a straight line cut two sides of a triangle it will be par. to the third and equal to half the thirds —

2201. The lead with which the Chinese line the tea boxes is a composition of lead and Zinc —

Metals in China

2202. Dr Jenner recommends the Electric Shock, through the brain for madness — He felt his head clearer after being knocked down by Electricity —

Electricity

2203. In most parts of Germany the houses are so bound together with iron bands

Fire Cats

that an Earthquake would do little harm — It would occasion great mischief in London ——

~~1754~~. Mr Matter of delivering Otto of roses so as to perfume a whole room at a small expense ——

Experiment

~~295.~~ Plants varied in the dark as either white or yellow —

Vegetable

~~296.~~ Plants grow faster in the dark than in the light — Why? —

Vegetable

~~297.~~ Mr Electra Shower is said to have been given from a gallon of oil: But: found on non filtrage on a fresh plate by Mr Ruscan

Electricity

~~298.~~ Mercurialis Perennis is said to be Electrical —

Manufactures

Sugar of Lead is made much better in Holland than in England, tho the materials here are much better and cheaper — Lead and Verdigrise

Exports Clime

To discover English from foreign Blankets a Drop of Green Tea will turn the former black, but will preserve the other no change on the latter —

Numerals

~~2111~~. Write down Eleven thousand, eleven hundred and eleven — 12111 —

Numerals

~~2112~~. A press of at least equal to one hundred weight may be constantly exercised about with one, without any inconvenience

Mechanics Chemistry

~~2113~~. The Chemical Science of various organic compounds of coffee and probably tea — hard, first treated on the bottom side — then on the rim by which the bottom

becomes much shelter
— Are carried before first
men to clear the way
under many other
occasions — Borrow
least smell ones on
the sheet —

~~[illegible]~~ — Telescope more
steady when supported
at both ends — Dade
Wheatell first introduced
this method —

Other

— A portable stand
for telescopes of dif-
ferent sizes —

~~225~~ The charge of 1
or two large jars set
over an earthen ware
plate, marks the flow
with a black line
a second third &
fourth but not in the
same heat — The lead
made use of in the
glazing is not perfectly
calcined, the chalks
should calcine et com-
pletely, and therefore
render it a bad con-
ductor —

Chemistry

~~2276~~ A piece of oiled silk over the other not oiled, increases the power of the Machine — Ib.

D. Mo

~~2217~~ What is it water that occasions the growth of plants? — Distilled or rain water answers equally well as common water —

V. Nicholson

~~2218~~ English Alum is made of Earth of Alum and Calcined Plants

Hennell

~~2219~~ Alum is decomposed by adding vegetable

Chem.

alkaly which attracts the
Vet: acid and forms Vit.
Tartar this is the way
in which the Vehicated
Tartar is made in Engl.

2220. White Earthen ware
is glazed with a mix-
ture of Borax and calc
of tin, ground together.
when the ware is redu
to that state of dryness
as to be able just
to hold the powder
above mentioned
~~which~~ it is then on the
ware through a dredge
box or thin bag, the ware

Manufacture.

is then fused into the Bits and burnt the borax serves as a flux —

Chemistry

~~2221.~~ The Phosphorus and air all produce by wet chemistry one of the component parts of Borax —

Mineral

~~2222.~~ The Dark colour'd earthen ware is glazed with lead or a mixture of lead and tin —

Metallurgy

~~2223.~~ Tin cannot be obtained by it self, tho it melts with a very small degree of heat, it requires a strong flux to coll.t

it. It constitutes the principal difficulty in separating ~~tin~~ silver from lead —

~~281~~ 4. This obviated by Borax forms enamel

Chem

~~210~~ 5. Calcination of lead

melt lead in a ladle a scum will form on the surface first of a grey colour then pale ~~colour~~ blue and then finally calcined by a gentle heat a fine yellow, this must be skimmed off and mixed with common salt in the proportion of 12:16

Metallurgy

ground well together, put
into a melting pot and
a red heat given, when in
a melted state pour it
into a cone, when cooled
turn it out, the calcined
lead will be ~~found~~ mixed
with the marine acid
and found at the bottom,
in form of a yellow regu-
lus, and the marine
alkali will be found at
the top, which may be
dissolved in common water
The remaining Regulus
when ground is the pal-
lent yellow

Put in the colouring
the lead in a Ledown pro-
cess, get some of the finest
litharge from those who
refine silver from lead
which may be purchased
for about 10/ ℔ Cwt
from this pick out the
yellowest parts which grind
with the salt and proceed as
before

~~PPP~~ 6 The English Vermilion
Manufacture

is a solution
of green vat, the fine
is prepared in a solu-
tion of lime in water
It is often made first
into solution or liquor

Chemistry

~~2224~~. Iron is always precipitated from its solution in a yellowish colour

~~2225~~. Price of metals London July 10. 1792

Fine Gold	£4 . 6 . 6	℔ oz
Ol. Gold	3 . 19 . 6	—
Fine Silver	6 : 1	—
Ol: Silver	5 . 8	
Copper Ingot	1 .	℔ Lib
Sheet Copper	6 . .	℔ Lib
Brass Ingot	4 . 13	℔ Lib
Sheet Brass	6 15	℔ Lib
Tin	1 . 1	℔ Lib
Lead about	19 . 0 . 0	℔ Ton

Metallurgy

Ores of metals

2229. For making the solution for the Stom
Chemistry
suspensatum solution
of Alkali Veg: a first

Chemistry

1 Oz Tart. ~~of the Acid~~

~~Solut~~ of the acid mixture
with 13 ounces Measure of
the supersaturated alkaline
solution
is required for three pints
of fixed air which is given
off ~~water~~ air in which ½ Oz
Troy of alkaline salts
is dissolved – Shake
bottle

X ~~2220~~ Fulminating powder
Doctor Reason —

X
2221 Tin boxes made by
Edward Worn Friendly
Printing press for
copying letters — Mesrs
Wilsons Cabinet Prs
No 376 Strand —
— bet both dry both
dates &c. —

2222 Silver Drama at John
Chemist c a Glass ball —
Optical ring at
Nuremberg — Not a curious
description

Doctor Ingersoll

= Take Poles
make an amalgam
of Mercury & Gold rub
it in a marble slab or
plate then the Mer" evap
the remainder remain

= natural Magnet is
the shape of a head
feling. consider the
hair & beard

= To know whether a Nat.
magnet is good buy it
or an artificial Mag:
or in steel filings if
long Needles it is good
if short bad —

after the lac is dissolved
put a piece of Platina in
to the bottle & dig it

= Make a paste of prussian
blue in spirit of salt, then
dilute with water, makes
an excellent blue ink
it will not corrode the pen
with vest. a. it will wear

= Silver Plane
from Silver is the
best and cheapest dissolve
with distilled water, fuming
spirit best — copper wire
of it spoils. — wash
the batt very clean —
with soap and water —
put the solution in a
glass bottle
a copper wire — of

+ Lower Lumen selon
on one side - 1 side
4 w the other fin fuch
in the same Stagger
case - Engen of the
Remainder 11 Drum P
Rectum
Platina Doses Ingesta
about 6 oz —
= Copper plated with
silver on one side with
with platina on the
other never rusts -
when rolled in the metal
must be flattened, hammered

~~mend~~ to prevent cracking
2 Chinese balls ~~Dont~~
separate —

Grain platinic Godfr
Gun powder made
with the new salt
= Solution zing shewn
by Galvanic phosph.
produced of Elect. light
it by Gun powder find
it a low in proof of
the time, it is much
more luminous
Guns might not some
other inflam salts longer usu
than Gun powder

Blue Bead – Spar Engraving

after pulling on the common Pebbing Ground as it is called, then hold it over a lamp to make it to take their place with a point in the usual way, put powdered spar and oil of vitriol into a Crucible apply a little heat and place the Glass in the vapor and in a few hours it will

be shaved — Or put a
some of the powdered Spices
in the boiled lime and
moisten it with oil of
Vitr: this is a better mode
than the former —

2 Ounces Virgin Wax
3 Dr Asphaltum
1½ ounce Rosin
1½ Mastich
first powdered in a
mortar, then melted
with the wax once
slow fire —
Put into a silk bag

and the plate rubbed
with the bags D. J.

for burning metals
1st Dis 2. bars for
Brass, wire, then cap
for wire, fine plate
of Gold, lead bars
platerie

Water spring good
fine connect it in the
fire and cut through
wire

A little plating
mill

Malme spoon not good

vi Melly Jotter

— To melt metals by
Dephlogisticated air
— Take a bottle for
burning metals
very pure Dephlogis
ticated — put a small
wire —

Small apparatus
for illustrating the Trans
mission system —
2 pieces of wood about
1 foot long with a
joint in the middle
two fine balls hung
by by threads
soaked in a solution
of salt in water —
Negative and positive
touch a sponge and
the wood with the
excited glass while he
finger is applied to
the other and comes

the Image in the Glass
the bells are negative
present the Glass, the
bells expand or come
together according to the
Contour of the Glass
from the wave

— Place the scheme
under the wood to touch
apply the Glass to
one end, the same
suddenly the wood
the one bells are Neg:
the other Positive —

= The Elastic Gum in China is transparent —

= Elastic Gum from South America is procured from the juice of the fig tree — In China otherwise

X Lime a good article of trade in China —

Linseed oil cold
will dissolve phosphorus
the only expedient
yet tried to do so —

Dissolve phosphorus
in common oil of Cloves
put some ~~thing~~ with more
than the oil will dissolve
apply a gentle heat
then shake it strongly
till cold, & put into
a square polished
bottle it will then
when the cork is
taken out, shine
like — Glycerin bottle

= Place a flask in another with hot water put a bit of phosphorus into the hot water in the inner flask and blow from a bladder of Oxygen gas into the phosphorus it will inflame in the water

= Open how do the Chinese bleach their silks to a white — Strong process of cleaning silks

boiling —

Properties of Chine Earth
— Light — Glossy — the Feature
— It moves readily with the
heat without form and
— yield not & wole too con-
ly — ~~The~~ colours
brownish, and blueish
and very black the
fent the most distinct
— The stick is smooth
to the touch —
— It is said that the Em-
peror of China is of the
Religion of the Grand
Lama —
— History of Dutch Em-
bassy

— Chinese Lago and
transparent Vermicelli
— In Chine for ten pound
silver they give one lb
Gold, in Britain 14 ½
for 1 Gold
— How do the Chinese
lay out their money
fortune! — Ancient Ro-
mans had one Gold
ring for ye of the Pelled
— Manner of levying
taxes —
— The the Chinese finest
head Stepends —

— Chinese year, when
does it begin, how reckon
by months or what
what other measure
— Just one holyday in
the year —
— He said that when the
Chinese have too many
children they drown some
of them, also they de-
form
— When an enemy frees
treaties with China the
Chinese are so afraid that
their families are some-
times found hanging on
trees —

No. 1 Marin

17 July — £5. 15. 6

× A few young men well dressed should accompany the Embassy to China, and be left in the country —

— Batavia by all accounts the most unwholesome climate in the world in 30 days strongest catch the fever

— Extract of Pamela book by William Lovettit

Tenderness stand — one lea spoonful with wine & water every day one —

× This very unusual in Batavia —

12 Sack Mais £ 2 2

6 29 Gallons of Whisky

Molasses — 3 3

Sugar — 2 2

2 Night Chairs 3 12

24 Plates at 8 ~~16~~ 16

[illegible]

[illegible]

[illegible]

[illegible]