

No. 1

Miscellanies

1. Whether is an animal heavier when dead than when alive? —
2. Darning renders the articles smaller and the same number of Fencing produces the contrary effect
3. Short broad faces are not so soon fat as the blunt or long faces —
4. Best method of calving with a skin sheep when on fire —
— any sheep on fire —
5. When a leg of mutton is sufficiently roasted the gravy is cold
6. What degree of heat is best for taking the bristles off a pig?

7. Whether will a vessel filled with sand or gun bullets afterwards take in the greatest quantity of water? —

8. Twenty Tons of Forge wash when broken small will measure how many by one — How ahead the boat ships they are continually employed in breaking the Forge wash.

9. If a tooth newly pulled out is immediately replaced is it possible for it ever to get fast? ~~and grow~~

10. A Tendon cut or even lacerated in the hand or foot will produce a locked Jaw: This does not happen by amputation —

11. One great advantage which the animal machine has over all others is the little friction to which it is subject, owing to the insertion

of the muscles so near the centre of motion — In the four footed animals the distance of points of insertion of the muscle from the centre of the joint is greater than in man, by which means they can stretch and can run faster, but do not live so long —

12. The Circulation of the blood is quicker in small animals than in large, in a little man, than a large man — How long what means is the time of the circulation of the blood in the human body ascertained? —

13. A Shovel full of broken glass thrown on a heap of glass produces much light — How is this Electric light — How often see —

14. Unannealed glass tho' harder &^{er}
that which is an; will not cut the
hand so readily - This kind of glass
cannot be ground or cut for any
purpose, the moment the surface is
broken it flies to pieces -

15. Glass drops may be made of
any kind of glass, but bottle
glass is probably the best -
made of the pot the best, above
too light and ^{porous} springy, below too
much lead -

16. It is reported that the Romans
in the time of the Emperor Nero
had glass which was made
- Upon whose authority is
this founded?

17. In staining glass gold pro-
duces red, and silver yellow

18. Horses fed on dry hay in a
close stable will soon become
broken winded

19. In Northern Lat.^s a house which
stands East & West its Northern
roof will decay sooner

20. A man asleep is about $1\frac{1}{2}$
colder than when awake -
- The circumference of the neck

21. To get a perfect skeleton of a
mouse, lay the mouse in a shell
box in which there is a number
of holes, place the box near an
oven & when the oven is hot
off all the flesh and muscles and
leave only the bones -

22. When an iron tube or ring is heated in the fire or forged?

23. Whether should the driver sit on the coach box or on one of the horses?

24. The reason given by the Caliph for burning the Alexandrian library was that "The books are either agreeable to the books of God or not; if they are, the Coran is sufficient; if not, they ought to be destroyed."

25. Whether is strong or small beer hottest when boiling?

26. There are in the human body thirty different secretions all from the blood.

27. In the organ of speech there are about 100 different muscles.

28. The lungs of a middle sized man when unfolded are equal to 200 square feet.

29. The less perfect the animal the more tenacious it is of life.
— Polypus —

40. The dry rot in wood with decay a floor or other part of a building in a few years, it frequently begins at the feet bottom of the stairs and around, is infectious, a new floor will soon catch it.

1. A machine composed of two concentric circles, one movable within the other, each divided into a hundred equal parts, the return.

plate turn an index such revolves
one for every ten revolutions of the
inner circle, this index shows on a
plate divided into ten parts - By
this machine may be summ'd any
number whatever in an easy man-
ner - N. 11 -

42 To make flexible when water tight
for diving, thin brass wire in a
spiral form, like the new hand
bands and cover it with leather
lined with wax thread -

43 If condensed air be sent down in
to the diving bell, in syringe for
flexible to those of copper

44 A stroke of a hammer that will
break a solid cylinder bar of iron
will have little effect on a hollow
bar -

45. A rock, nest was this spring
1783, built on the weather cock
of the Exchange Stairs at New-
castle, it turns with the wind -
has given rise to many con-
jectures, Prophecies and Songs

46. This day Monday 2 June at
12 o'clock received the melan-
choly account of the Death of my
friend Mr. Charles Spalding in
the Diving Bell, - He engaged
with the undertaker to Diver on
the Belgosa Indian in from
Liverpool which was lost on
the North coast near the coast
of Wicklow in Ireland. On
Monday the 2 June at 4 in
the morning he went down in
the bell with a young man of the
name of Watson, and they were

47. Drawn up both dead
A Dyer in Manchester after repeated
trials could not fix a particular
kind of yellow. In a rage one
of the workmen threw part of a
can of butta milk into the vessel.
When the piece was taken out,
to the great surprise of the proprie-
tor it was of the colour wanted.
The man had recourse to the
remedy used, this for a long
time he kept a secret, and
made a fortune by the accident
at Exeter.

48. Mr. Brydons in a letter to Dr. En-
meron mentions the following curious fact
Some partridge eggs were hatched
by a hen. The first time the cock

met the hen who had been his
favourite mistress, he was surprised
at her open was broad, in a rage
he threw himself on the hen
and did not leave her till he
had killed her. The house keeper
hearing a noise went out and
found the hen expiring with
the cock still trampling on her.
He seized the cock and threw
him next about.

49. The hair which cattle lick off
forms balls in the stomachs of
a very extraordinary nature. I saw
one of this sort of at Mr. Hobbs
surgeon, Sheffield in the form of an
orange, ^{but flatter} the greatest diam. 4 inches.
The outside was pellicled, the in-
side consisted of hair pressed very
close together.

Sheffield Sept. 18th 1783

50. Two balls ten or twelve feet in D.
are said to have been filled with
impure air at Paris. They ascended
into the Atmosphere and one of them
fell at the distance of four leagues

N.B. This is the first account given
of the ball: 1793

51. Is the pulse quickened in the
Diving bell? Is there any alteration
in the pulse of a man in water in
the Diving bell?

52. What change takes place in
the communication of sound through
water? Bell rung in water - In
the Diving bell &c

53. French Balloons made of silk
with - Refined air balloons of
paper or Linen -

Oct. 1783
- History of the use, and manner of filling
at building the first Balloon

Dr. Hans Sloan left on the fol-
lowing shagreen to make the English
purchase his museum. He left it in
his will to G. B. at thirty thousand
pounds. If refused, it was then to be
offered to the Emperor of Russia
and after Russia to France.

A Guinea Lottery was instituted
by Paul for towards purchasing both
the collection and the present now
Quantity of ~~plates~~ and value
of materials used in sheathing
the Buttonaria of 100 fms, with
Cw

Copper plates	of 32	-	8
	of 20	-	104
	of 22	-	36
		-	220
		-	4
		+	232

Wax	-	40	-	paper	49	Cw
D. Holes &c	-	56	-	Tar oil	90	gall
			-	Tar	22	Barrels
			-	Yellow, white lead, rosin &c	5	Cw
Total Exp. of materials £ 1942, 2.10						

Miscellanies

56. Dimensions of the Victory
of Guns

	Length of the Gun Deck	186	00	
	Extreme breadth	51	10	
	Depth of the hold	21	6	
	Length of the Keel	151	3	
	From Stern to Stern	222	6	
	Burthen in Tons	2165		
Masts	Lower Gun D. to beam	5	11	
	Middle G. D. to beam	6	1 $\frac{1}{2}$	
	Truck to Masthead	213	6	
	Ditto to surface of water	196	6	
	Gunwale to Ditto	23	3	
	Taffrail to Ditto	34	4	
	Ceiling D. of water	Fore	22	10
	as given from the upper	aft.	23	0
	Light D. of water	Fore	16	3
	when coppered	aft.	10	3

Victory
Anchors

	Cwt	L	lb
Shut	91	1	
Open	87	1	14
Port Iron	87	0	21 21
Small Pikes	87	0	14
Misc	21	0	14
Rede	11	1	21
Small	3	3	
<hr/>			
Total, Jun 19	11	1	

Total, Jun 19

	Mesh	400. feet	Clear	400. feet	Yards	400. feet
Main	30.32	-	39	Sub	33.0	24
Top	22.34	-	20	$\frac{5}{8}$	23.33	15 $\frac{1}{2}$
T. Gall	11.17	-	11	$\frac{5}{8}$	16	9, 10
<hr/>						
Four	36.18	-	36	$\frac{7}{8}$	29	16, 20 $\frac{3}{8}$
Top	20.34	-	20	$\frac{5}{8}$	20	23 13 $\frac{3}{4}$
T. Gall	10.12	-	10	$\frac{5}{8}$	14	0, 0 $\frac{5}{8}$
<hr/>						
Misc	33.20	-	23		27.4	15 $\frac{3}{8}$
Top	16.17	-	13	$\frac{3}{4}$	15.14	10 $\frac{1}{8}$

Victory of 100 Guns
400 In 100 fath
400 In 100 fath

Bowprit	24, 18, 36 $\frac{7}{8}$	-	21.10	13 $\frac{3}{4}$
1/2 sprit. sail. top			14	0 0 $\frac{5}{8}$
Cross Jack			21.10	13 $\frac{3}{4}$
Jibboom	17.10	15 $\frac{1}{4}$		

Guns

Lower Gun Deck	30, 32	From	54 to 57	Cwt
Middle G. Deck	28, 24	From	49 to 52	Cwt
Main G. Deck	30, 12	From	32 to 34	Cwt
Quarter Deck and Y	12	From	20 to 33	Cwt
From Castle				
Total	222	6	2	2 Lib

Shot

round 62 Grape 4 Double head
2 $\frac{1}{2}$ Tin case 1 $\frac{1}{4}$ Ammunition 1 $\frac{1}{4}$
Munition 1 Pistol $\frac{1}{4}$ Powder Borealls
20 Tons - n.b. the above Tons

	Cables	Weight	Material
0	24	100	fathoms each
1	15	100	Stream Cbl.
	14	46	Waxed
	14	64	Messengers
	14	40	Wool Cable
	9	40	
	5	100	
2	9	100	
1	7 $\frac{1}{2}$	100	
1	6	100	
1	6 $\frac{1}{2}$	100	
1	4 $\frac{1}{2}$	100	

	Sails	Head	Foot	Yds Deep
Sprit sail	33	33	—	9 $\frac{1}{2}$
Sp. O. Top Sail	21	31	—	9 $\frac{1}{2}$
Jib	—	27	—	26
Fore Sail	43	43	—	12 $\frac{1}{2}$
F. T. Sail	27 $\frac{1}{2}$	44	—	19
F. T. G. Sail	20	27	—	9 $\frac{1}{2}$
Main Sail	51	51	—	14 $\frac{3}{4}$
M. T. Sail	32	50	—	21
M. T. G. S.	23	31	—	10 $\frac{1}{2}$

	Sails	Head	Foot	Yds in Depth
Mizzen	—	00	33	20 $\frac{1}{2}$
M. T. Sail	—	21 $\frac{1}{2}$	32	15
M. T. G. Sail	—	16	21 $\frac{1}{2}$	7 $\frac{1}{2}$

Mast Sails	Fore	Head	Foot	Yds in Depth
	—	00	23	13
	Main	—	32	14 $\frac{3}{4}$
	Mizzen	20 $\frac{1}{2}$	22 $\frac{1}{2}$	$\frac{7}{14} = \frac{1}{2}$
	Fore top Sail	—	22	19 $\frac{1}{2}$
	M. Top Sail	26	28	$\frac{10}{26}$
	Middle	25	25	$\frac{8}{25}$
Mast Sails	Main T. G.	22	22	$\frac{17}{22}$
	Mizzen Top.	20	21	$\frac{7}{20}$

	Sails	Head	Foot	Yds in Depth
Fore	—	15	19	14 $\frac{1}{2}$
Fore top	—	14	17	19 $\frac{1}{2}$
F. T. G.	—	8	11	10
Main	—	16	20	17 $\frac{1}{2}$
M. Top	—	14	17	22
M. T. G.	—	9	11	10 $\frac{1}{2}$

37. This Day 10 July I breakfasted at
the White Head of Carlou - on breaking
the shell of an egg and inserting the
tea spoon it struck on something
hard. This turned out to be a small
egg within the other. Its shape was
almost a perfect ellipse - longest
diam. $\frac{3}{4}$ inch shorter $\frac{1}{2}$ inch
Its specific gravity was greater than
that of the large egg - On examining
the shell of the large egg I found
some spots more transparent
than the rest of the shell. The
small egg was by accident broken
it contained a yolk and white
as usual

50. The Embolusian tube reaches
from the inside of the mouth to
the cavity behind the Tympanum
through this tube the air is forced

- in the Dwang belt - retains the heat and removes the pain
59. The knot made use of by the London porters well adapted to the purpose
60. The ventilation of a chimney depends entirely on the difference of specific gravity of the internal and external air
61. In the condensation of air there is a resemblance to water, but in the former spheres in the latter surfaces are affected
62. Noises sometimes arise in the looth-ack
63. A looth was taken out of the head buried in water, the hole in the gazer filled with lead, was capped two days after and it fixed - M. A. -
64. Before the year 1745 there was no regular post to the north of Scotland. The

- Mail was committed to the care of the common carrier who took ten days sometimes a fortnight from Edinburgh to Aberdeen - Post established by the Duke of Cumberland
65. Immediately after the union between England and Scotland a petition was sent to the English British Parliament praying that the Episcopal Church might not be permitted in Scotland - Montrose 1706
66. When Nisbet published his Scots Penny Law Dictionary was the only problem in Scotland who would not subscribe for it. Nisbet thinking to mortify his Lordship told him that he had discovered one who had great Grand Father was. What was he said his Lordship. A Blacksmith in the town replied Nisbet. Give me your hand said his Lordship

I am glad to hear it for I always
thought he had been a Taylor in
the ~~Commonwealth~~ Cowgate

67. When Admiral Byron's ship
was wrecked on at the
line every body was leaving the
ship. The Helmsman was steering
away as if nothing had happened
The Admiral asked him why he
did not leave the ship "I am not
yet relieved" replied the helmsman

68. When a person for redress of
grievances is drawn up by the
men on board a man of war they
sign their names in a circular
manner, by this contrivance the
ring leader cannot be discovered
Thus they call a round Robber

69. Purchasing Land is getting promoted
without Interest, Dealing in the Stocks
Interest without principal, but mort-
gages both principal and Interest.

70. A Chaldron of coals weighs 27 cwt.
Price in London commonly from
35 to 45 Shill^{rs}

71. Aspario Metaph to Pericles taught
Socrates both Rhetoric and Politics

72. The sight of the moon is said to pre-
vent putrefaction. - universally believed
among Sailors

73. This day Saturday the 19th May 1787
visited Doctor Herschell at Slough
He (Doctor has nearly completed his
Great Reflecting Telescope. The Great
Mirror is 40 ft focal distance and
four feet Diam^r, weighs 1035 lbs The
tube is of wrought iron strengthened
by hoops in the inside, it is pointed
* Now weighs 2000 lbs & more 1000

by a very ingenious mechanical apparatus. At half past nine saw a Volcano in the Moon near the upper part of the Dark Hemisphere the moon being 2.16. 47' old. Many have of ancient Volcanos on the Moon - Craters fallen in - Little mounds in the center of some Craters - In one there are two mounds - Doctor H. has three Telescopes mounted in his Garden one of 10 one of 20, and one of 40 feet focus His apparatus and other about are connected by the Machinery of the Great Telescope under ground so that any motion in the Telescope is perceived in the quantity examined by the clock machine within the house - Mechanics - Oculum etc - The Great Telescope will bear easily a power of Ten thousand

but Dr H. seldom intends to exceed 500. He is of opinion that Astronomers mistake in judging brightness to magnifying power - The Improvement of Dr H. is the throwing away the little Speculum - The Great Speculum is not perforated, but is placed with its axis making a small angle with the axis of the ~~axis of the~~ tube, by this contrivance the image is formed on one side of the tube near the mouth. This image is received by the eye glass in a tube inserted obliquely into the Great tube at the mouth, and in the axis of the Mirror - By this ingenious contrivance he gains a vast accession of light - With this Improvement in the 20 feet Reflector he saw the two Sat. of the Georgian, which he

had been looking for in vain with
the same Tel. and same Magnifying
power for 5 or 6 years past —

74. This Morn^g 21st May 1707 watched
Mr. J. Ewart from Jodic who has
brought home with him a number
of ^{astronomical} observations particularly of Eclipses
transits &c for the Longitude —

75. Lord Dundonald's Tor, it is said,
does not stand the air but wapo-
rets. This however will not take
place in water —

76. Doctor Low has two pendulums
composed of heavy leaden balls
supported at the upper part of the
frame I suppose 18 or 20 feet in
length, to three black lead pen-
cils or jaws which touch a piece
of paper below, should the hour

be
the effect by an Earthquake, this
will show the quantity and direction
of the shock — This was the invention
of a Gentleman at Naples —

77. Mr. Ramsden says Doctor Henshalls
40 foot Reflector will be good for nothing
Mr. P. E. —

78. This day 10 May 1707 visited the
steeple at Blington — It is a repairing
An Estimate was given in for the
scaffolding on the spire part at
3000 the lowest. — A Basket Maker
engaged to ~~make~~ ^{erect} a Scaffold with
regular steps of basket work for 20
guineas. It cost him 45^s, but
he has been allowed to exhibit it
at 6^s a head for every person who
ascends to the top — I went to the
Summit of the weather Cock —

It is said by some that Mr. J. J. who made such excellent Reflections on the grounds a great number of great and small pieces, and others, and then put out two such as follow each other. This is alluded by Mr. Watson not to be the case. For as the small specimens must be the segment of a sphere if well executed will answer any large Specimens. The large Specimens is allowed to it produces distinct vision -
 - Give what is the defect of the appearance of the large Specimens?

80. Any paper on which an agreement is written in England may be stamped at the Office, provided it be presented within 21 days after the date of the paper.

Miscellanea

- 81. The Debt cast in London carry out the Debt to the Bank makers. The coins are separated from the Debt, the former is applied in buying the latter is mixed with the brick clay and gives it that grey colour.
- 82. A brick kiln was by the market of the men, vitrified, and was in consequence obliged to be blown up with gun powder.
- 83. What is the best form of a Baker oven?
- 84. The Corners of Churches are built of logs of timber on those the greatest. Once they are finished they are covered with figures, foated with carves which are cut away and the

05. Cone sunk - pulled with stones
Male is said to have put 10 pms
into his pocket, at the rate of 1/4
to a quart. This gave the Duke
an agreeable bitterness, consequently
saw his, and communicated also
to the Duke or superior quality

06. Montesquieu asserts that we
are more prevalent in cold
than in hot climates - This doubt-
less - not true -

07. Montesquieu asserts that Slavery
is contrary to Nat: reason, yet
agreeable to the natural reason
of some countries - This appears
inconsistent - Where what does
he mean by Nat: Reason? -

08. Muri's works some say, have
a bad tendency -

09. Why do not the Americans these
great Champions for Liberty a-
bolish Slavery in their own coun-
try by encouraging their Slaves?

90. Noais' justice at Curacao,
proportionum vere" is an unna-
tural Character - would smile
atly - Brutus, unconcerned at
the death of his Son the same -

91. Pizarro dispatched an express
from Buenos Ayres across the
continent of South America to
St. Jago in Chile. The Indian post
formed it in 13 Days - Distance
300 Spanish Leagues, of which 20
are over the Andes - almost impassable
in the winter.

92. The East Indian and other Voyages performed in Ships some now than previous to the same observations and other Modern improvements? — They are —

93. Publick has the advantage over private Education in every circumstance, morals excepted, and yet a boy privately educated is the frequently the most disreputable at the College —

94. Traps is said to possess no nutritive quality. A Dog was fed during one month on traps by Doctor Numbur. He grew so lean and weak as hardly to be able to walk —

95. Can a Nation become bankrupt if so who is the Creditor? In what ^{way} is the Statute taken out?

96. What is the best method of reducing smells and fumes to a scale?

97. A young man brought a watch to Mr. How watch Mr. ^{Stallon} Gordon to be repaired. When the watch was cleaned and put together it could not be put in the best. On examining it the Steel Bar. was found magnificent. The young man was struck with 'Light' at sea some months before. The chain was a little affected the Pendant almost melted ~~and~~ thro'

98. What is the reason that Doors, Slams, and Stones in the middle of some houses are covered with moisture at times, and what is

The particular state of the at-
mosphere at those times?

99. Glass is certainly much older
than commonly supposed. Partes
beautifully coloured have been
found with undoubted marks of being
older than the Emperors.

100. The Glass Brist in the late
Dutchess Dowager of Northampton
Collection is blue, the figures raised
white, most exquisitely finished.
It was purchased at the sale
sold by the present Duke for
one thousand pounds. It is sup-
posed to be as old as Alex^r. The
great question on what is this famous

101. If any one pips not the true way
one in company feels an in-
clination to follow her as a rule.

102. If one plunges his hand into
cold water he feels an inclination
to piss - A person asleep may
be made to piss involuntarily
by plunging his hand into
cold water.

103. Cocoa Nuts grow on the upper
part of the tree which are very high.
If these happen to be blown down
on the tree stems are thrown at
them and they throw cocoa nuts
in return - fawn

104. If you shoot a doe the doe will
follow you home -

105. In many parts of North America
there are salt springs. Animals
seek the salt and drink it though
the water

The Philosophic fire works may probably be so much improved to render the gross materials of fire such as Coals, Oil & unrefined. The time may come when it may be as common to call at a warehouse for a Gallon of inflated air as it is now for a Gallon of oil —

107 If a young frog be put into a jar not quite filled with water and a small ladder placed in the water, the frog will become a kind of barometer, climbing up the ladder into the air in good weather but remaining under water in bad weather — young frogs are found on trees in the Crimea and used for the above purpose

More precious Stones are set in Turkey than in any other part of the world — set in a particular way

The Turks, Tartars and Greeks always remain covered at public worship —

The Salute of Turks and Tartars is to lay the right hand on the breast — They touch neither the forehead nor brow —

The Mufti at Constantinople unites the two Characters of Archb. and Chancellor, being at the head both of the Church and Law department —

The ^{present} Grand Visier or Prime Minister was not more than 20 years since a soap boy, sitting

soap in baskets in the streets
of Constantinople — 1700

113. The Caff Pacha is Lord High
Admiral and has great Powers

114. Janissaries ~~are~~ are a kind
of Militia — Postage or Gardi-
ners are the life guards men —

115. The Persian peasants all
sleep on the ground without beds
— men and women promiscu-
ously —

116. Antiques, particularly Grecian
and Roman Coins are dug up
in great quantity about Smyr-
na where they are sold very
cheap —

117. The Rotative Motion by two
wheels was first hinted to Mr. New-
comb, by Mr. Henderson. — Mr. Newcomb
first hinted the application of it
to Mr. Watt —

118. There is now published at Con-
stantinople an Edition of the
French Encyclopedie containing
more parts relating to Science
— The plates from Paris —

119. The National Debt of Great
Britain amounts to 242 Millions
in the proposed Bank of Eng^d
notes weighs 47,265 — Suppose
one man to carry 472.6
100 men would be requisite
to carry the whole —

120. A hawk or Eagle can take
up a Lamb. Both together
form a body of great weight
Does not this invalidate the
objection to flying drawn from
the weight of the human body
compared with the strength of
the muscles? —

121 In a case of the trepan when
the brain was exposed & fully with
the finger the patient fell as if
when the pressure was removed he
awoke and felt the pain, this
was repeated several times with
the same consequences —

122. Doctor J. observes both from
his own practice, and from the
Hospitals, that more women are

brought to bed at the new and full
moon, next at the quarters than
at any other particular time —
123. The Lord Mayor ^{of London} it is said, is
the only existing Mayor who at
the death of the King. He swears in
the Chancellor and Archbishop of
Canterbury, who afterwards admin-
ister the oath and crown the
new King

124. At St. Margaret the Mother among
the lower class, suspends the child
from the end of an elastic stick
the other end of which is fixed in
the wall this gives it a perpe-
tuous vibration — Milk in a
cow's horn hangs dangling over
the child's face, small bit of string
in the top to prevent the milk coming
out —

125 Mr Bolton offered to buy a wagon
that he would carry a cannon
ball and hot iron burning iron
to London - He was to place it
in the seat in a wooden box
surrounded with wool flannel
or other bad conductors of heat.

126. In Turkey pork is forbidden to be
eaten - Lent is kept strictly
In the America more strictly than
any where else - The Doctors from
four years of age eat nothing
during Lent from Sun rise to
Sun set, nor drink -

127 In ancient times Decrets by
Jews was very common there
was made on the tops of Mount
Lemo -

128. This Evening 20 Nov. 1700. A
Globe with a new quadrant of
Altitude was presented to the Society
by Mr. Ormiston - How useful will
a nonius - Why all this accuracy
when the Globes themselves must
ever be inaccurate while repaired
in the usual way? -

129 The Soil in the Eastern parts
of America is wearing out.
The Inhabitants are removing in
great numbers to the back settle-
ments near the Mississippi
There are already above 150,000
emigrants, the laws drawn the
Indians beyond the Mississippi
- They look forward it is said to
the conquest of Spanish America.

130. Emigrants are carried from
Boston to the back settlements
in ^{W. Comps} ^{for} ^{four} Dollars for meat and
lodging included —

131. The Turkish and Persian Coins
are all dated in the year in which
the current reign commenced — This
continues till the end of the reign

132. In the Crimea there are many
salt lakes which are quite dry
in the summer, and from which
great quantities of salt are pro-
cured — Revenue principally
arises from this salt —

133. The Greek Dress nearly the same
with that of the Persians, except that
the former do not wear a Veil —

No. A

MISCELLANEOUS

134. In the Crimea 1st Jan^r 1704 the
Thermometer stood 41° below the
freezing point. It was frequently
37 below zero —

135. The Chinese are said to have
their best colouring materials
from Europe — Gun powder
they render them so brilliant

136. The City wall was made by
M. Bae for the East Indies at
5 Gunners the lowest he could
make them at. M^{rs} B. and Dale
of Birmingham made them for
30 M^{rs} — m^{rs} end work with them

144. 8 Sh: but often valued at 10⁰
The Laplandus make us of
the Mead made of the skin of the
reindeer - loads of leather run
at St. Wilda - Things cut
crucial

145. A cream with will spoil a
bottle of wine by giving it a
taste which would distillations
cannot take off -

146. Cooks should be dipped in
wine or brandy before cooking
or which is still better, should
be boiled half an hour in
water.

147. If a hhd. of wine be not quite
full a white thick scum gather
on the surface, which if mixed with
the wine will spoil it - musty -
to prevent which the wine should
be drawn off without disturbance,
within a gallon or two of the bottom

148. The best wine is made without
addition

149. The age of rum is adorneed in
the West Indies by pouring it
from one vessel into another
- suffer air flux off - Rum
milder, but weaker - Ingredients
are also put into the rum to
produce the same effect - Rose
apple - Hawthorn - Green tea is

said to answer best -

150. The Romans are excellent mistakers
but are said to have no mistakes
family - Clergy men down -

151. What is the cause of a blind man
continually motion?

152. Why is the paint behind a pic-
ture frame or chair discoloured?
Is it owing to want of free circula-
tion of air or to want of light?
Light bleaches vegetable sub-
stances white, does it produce the
same effect on mineral substan-
ces? Or is there a tendency to re-
action in the case of the ^{spirit} lead
by the heat of the Sun - Phlogiston

153. By what means do flies walk
inverted? - Glutinous substance
on their feet - Claws - Do the
wings assist as in swimming?
- Can a fly enlarge its body drawing
in air? and if so will this make
it imperfectly lighter than air?

154. A vessel of cold water placed
in the middle of a room new
painted with white lead, is said
to take off the smell and the
water is rendered poisonous. How
what is the cause?

155. A trunk lined with tin foil
is extremely useful to the traveller
- Keeps out moisture - and Corrosion

156. The Sublimant in Botany Bay
could not be supported in time of
war

156. on account of the great distance
would not Hudson's Bay be prefer-
able? Nelson's river is navigable
for several hundred miles up the
country - Convoys might be em-
ployed in making roads to facilitate
the communication with Canada.

157. The North American Indians
pride themselves in having long
ears. When these happen to be
long, they cut them smooth with
a knife, and sew the parts together
with a needle and thread of deer si-
mews - Long's Voyages -

158. In Turkey and China there
are no titles of nobility except
those of office -

159. As the Nebuch of the Ancients
Romans did not protect the feet
from the sun, - more sweetly -

160. The Mohawks and other tribes
of Indians use thread of Deer Simews
with which they sew the skins both
of men and beasts - scalps -

161. The North Americans seldom
pay much attention to the rising
or setting sun, yet they find their
way thro' the woods with the greatest
certainty by observing the moss on
trees which remains on the north
side but decays on the south. They
remark also that the branches are
larger and the leaves more numerous
on the south side. The most enlighten-
ed part of mankind cannot be more
attentive to, or more exact in their
judging of the works of nature -

The ear of a twig is not in the
middle but near the south side.

162. The Iroquois Indians are ^{the} bravest
of the nations. They laugh when
you talk to them of their obedience
to Kings. They cannot reconcile ~~themselves~~
~~with~~ the idea of Submission with
the dignity of man. Each individual
is a sovereign in his own mind,
and as he conceives he derives his
power from the great spirit alone,
he cannot be prevailed on to acknow-
ledge any other power -

163. There seems to be a principle of life
distinct from motion sensation and
other external signs, as appears in
the torpid animals. They exhibit no
signs of life tho' cut in pieces - Query
on what principle is this singular
fact explained? -

164. A man in A. Mearns's Hospital
had blood let in the arm. He
died of a hemorrhage ~~in three or~~
~~four~~ tho' not a drop of blood was
found in the bed. When a vein
and artery lay on each other, if the
artery be pricked, the blood may
either pass into the vein and con-
sequently arterial blood be returned
to the ~~vein~~ ^{heart}, or, which was the case
in the above instance, pass thro' be-
tween the vessels and consequently
swell up the arm - Stop the vessel

165. When a limb is amputated, if a
hemorrhage does not come on in three
or four days, no danger is apprehended.
- Nature lessens the quantity of,
and enlarges the communicating
vessels -

166. In what manner does liquor on the stomach affect the brain to produce drunkenness? It cannot be by fumes for there cannot reach the brain - Action on the coats of the stomach

167. Iron is almost the only metal friendly to the human frame, all the other metals when taken inwardly are either inactive or deleterious
Ed^h Disp^y 4

168. Comparison between those nations which have, and those which have not iron

169. Josephus, in his seventh book of the Jewish war, mentions the casting out devils and believes in it.

170. The plague in Egypt always appears first in Alexandria, and seldom

extends to Cairo. Baron de Tott thinks that it is imported from Constantinople, in the old clothes brought to Alexandria by the Jews.

171. Are not the changes in food and other in the animal machine as wonderful and as remarkable as transmuting the base metals into gold?

172. A street which has been cleared in Pompeii is 16 feet wide, three feet of a foot path on each side flagged, and raised - The other ten feet paved. The ruts of the carriage wheels four feet asunder

173. If duration be in favour of any religion, the Jews may probably claim the preference -

182. This Day 6 Oct. 1793 (St. John's Jamaica)
The Lion started. The best gun produced
a beautiful circle of smoke which
shook on its axis, ~~is~~ rising with a cone
in the center, its apex at first in advance
afterwards in rear - It is said to be ^{affected} ~~caused~~
by greasing the muzzle of the piece

183. At weddings in the highlands it
is customary ~~at weddings~~ to discharge
pistols by way of amusement - They
wet the muzzles to fire increase the
report -

184. This Day Friday 7 Oct. I am informed
by Doctor Galtan that the ^{specimens of} vegetables
prepared by McDonald's son were totally
spoiled - Some are however very bad
cannot not quite so bad - They had been
in his charge ^{kept} quite dry - I have received
the remaining ^{them} & will keep during the Day.

Miscellany

105. Any person may dig for diamonds
for paying one fifth to the Queen of Portugal
at — Brazil

106. In the Brazil, strangers are not
permitted to purchase estates.

107. Zuphe Sabit is a Portuguese
very strict — after the ^{last} peace in
1792 he sent to ~~the~~ ambassador
Dares to the grand Seigneur informing
him that he had, from every thing
in his power to drive the respects
from the Sultan, he had failed but
with the assistance of the Grand
Seigneur he had no doubt but
he should effect all effect. He
retained the daughter of his Sultan-
predecessor in marriage. The emperor
saw that he had a share at his
sawed

188. Tippoo keeps a grand bea-
n. The ladies he frequently con-
curs in warlike matters —
a great number of tents are
pitched so as to form a circle
— The ladies are occasionally mounted
on horse back, and the same &c.
— He is fond of Europeans either
as soldiers, surgeons, or mechanics
— Every medical man is obliged
to take the same dose he prescribes
to Tippoo! — Double no. of pills
are always sent — Tippoo
very rich Lally instructed
Tippoo in the art of war
but it is said that caught
in course, he knows little
else — Cruelty to the English
prisoners — Genl. Matthews
ever poisoned —

Every person who resides in Tippoo
country must become Mahomedan
— M. S. M. —
— The Mahomedans have triumphed
over the Persians &c. — The glory
of the ancient Persians is eclipsed
! The Great Mogul himself is
now in ~~power~~ indolence of the throne
— Tippoo was in terms with the
Dutch for Cashim during last
war, they differed only about
the time of payment, the Dutch
wanted pay! before they would do
the place — Tippoo wanted previous
proposals, here, fortunately for En-
gland the matter terminated —
The snake called in India
189 Cobra de Capelle or hooded snake
frequents meadows, is brought out
by music — like the Cayapo —
his life is death in a few minutes
he is so long sometimes 8 or 9 feet long

190. The Achese twist the Willow
to separate its outer shell, the
shell is rounded soft either by boiling
water or by exposing it to the heat
of the fire, and then press into
a concave form by two pieces
of wood, one convex the other con-
cave.

191. To cure ~~the~~ wound from
which an arrow has been ex-
tracted, Chincin which is lime from
Pauca for Coal - is blown into
to the wound -

192. The Malays of Sumatra twist
their pins or in many other
countries by the friction of two
pieces of wood on each other. They
choose a piece of dry porous wood
and cutting smooth a slot of it
lay it in an horizontal ^{position} direction
they then take a smaller round
piece of a harder kind and forming

the end into a blunt point in a
perpendicular position, and whirling
it round between the hand, as Chocce
like is made, pressing down at the same
time. A hole is soon formed in the lower
wood, which also soon takes fire.

193. It is remarkable that common pepper
the staple com. of Sumatra is never made
use of by the Sumatrans, but chiefly in
Ceylon which they say is less heating
than the local. - Europ. think differently.

194. To boil rice properly no more water
should be put to it than what is just
necessary to cover it, then let it simmer
over a slow fire, taking away every now
and then the water with a paddle, take
off the rice just before it begins to burn.

195. In Bengal 12 Py = 1 Anna
16 Anna 1 Ruppee - 16 Ruppee =
1 Gold Motar - more from -

State of Market at Calcutta
1993 $\frac{1}{2}$ A. D.

Quarter of Mutton	0	12	0
Beef somewhat heavier than mutton in proportion			
Round of Beef Large	1	8	
Goose	1	12	
Duck	0	3	6
Fowl	0	3	0
Cocanut	0	0	6
Candles wax of 1 lb	1	0	0
Surloin of Beef	1	8	
Great loin and shoulder	1	2	
Prime apple	0	1	6
Oranges	0	5	0
Sugar 120 lbs white sup.	15	0	0
Sugar Candy 3 man of 100 lbs	56	0	0
cash			
Coffee & Tea	12		
1 lb = 2 lbs - Butter	$\frac{1}{2}$		
	$\frac{1}{2}$		

Shops 20 Large Baku Shops	40	0	0
Mason of Bengal 10 sides	15	0	0
Fowls 0 Dozen	20	0	0
$1\frac{1}{2}$ Mow of flour	10	8	
Eggs 500	6	4	0
Onion - 6 Mow	7	2	
Potatoes - 2 Mow	5		
Gams - 10	15		
Pigs 6 small for Kowls	3		
Ducks 2 Doz	7	0	0
Midian Baking 1 month	12		

Consumah of 1 month	$\frac{1}{2}$		
Darwan = 100 lbs	8	0	0
Markarah - Letter Cash	4		00
Worker men	6		00
Barber	4		00
Hooks badak	1		0
Set of 100 lbs	12		00
Set of 200 lbs	20		00

Flank
Napaul boy -

1/2
5.0.0

196. Wood oil it is said with not
for to combustible matter -
gun - of what is wood oil made -

198. The inhabitants of China would
people the whole earth land
and water at the rate of a square
mile to every individual -