

CATALOGUE

OF

Optical, Mathematical, and Philosophical

Instruments,

MADE AND SOLD BY

W. AND S. JONES,

No. 30, LOWER HOLBORN, LONDON.

1830.

OPTICAL INSTRUMENTS.

£. s. d.

BEST double-jointed standard gold spectacles, with pebbles, and fish-skin gold-mounted case.....	12	12	0
Jewellers' gold ditto, morocco case, from 3 <i>l.</i> 13 <i>s.</i> 6 <i>d.</i> to..	5	5	0
Standard, single-jointed, ditto with gold-mounted case ..	8	8	0
Jeweller's gold ditto, morocco case, from 2 <i>l.</i> 12 <i>s.</i> 6 <i>d.</i> to....	5	5	0
Best double-jointed silver ditto, with pebbles	1	16	0
Ditto, ditto, with glasses	1	1	0
Ditto, frames silver gilt.....	1	11	6
Best single-jointed silver, with pebbles.....	1	8	0
Ditto, with glasses	0	14	0
Best double-jointed light blue steel spectacles, white or coloured glasses, in leather cases.....	0	15	0
Single-jointed ditto	0	13	0
Double-jointed steel spectacles, in cases, from 5 <i>s.</i> to....	0	8	0
Single-jointed ditto, from 3 <i>s.</i> to	0	5	0
Tortoiseshell spectacles, silver joints, with pointed and other shaped sides, in morocco cases.....	0	10	6
Ditto, double-jointed frames	0	16	0
Spectacles for eyes that have been couched, from 5 <i>s.</i> to ..	0	7	6
Ditto, with green or blue glasses for very weak and inflamed eyes, from 6 <i>s.</i> to	1	1	0
Ditto, with new contrived folding side glasses, mounted in silver, in case	1	11	6
Double-jointed frames, in steel or silver, with green silk shades to screen the eyes from candle, or other light, from 15 <i>s.</i> to	1	8	0
Spectacle cases in great variety, from 3 <i>d.</i> each to.....	0	16	0
Concave glasses for short-sighted persons, in horn cases..	0	2	0
Ditto, in tortoiseshell, pearl, silver, &c. from 3 <i>s.</i> to	2	2	0
Ditto in new contrived frames for shooting caps.....	0	16	0
Single concave or convex eye-glasses, mounted in silver ring frames.....	0	6	6
Ditto, in gold frame, 1 <i>l.</i> 1 <i>s.</i> to	2	12	6
A new contrived folding-joints do. to answer as a single, or spectacle-shaped hand-frame, in silver.....	1	1	0
Ditto, in gold, from 3 <i>l.</i> 3 <i>s.</i> to	5	5	0
Reading and burning glasses in various mountings, from 3 <i>s.</i> to	1	16	0
Glasses for watch-makers, engravers, &c. from 1 <i>s.</i> 6 <i>d.</i> to	0	10	6

	£.	s.	d.
Goggles, to guard the eyes from dust or wind.....	0	4	6
New green light shades for the eyes.....	0	6	6
Opera glasses in great variety of mountings, from 6s. 6d. to	3	3	0
Ditto on an improved construction of glasses, plain mounting	1	1	0
REFRACTING TELESCOPES of various lengths, 10s. 6d. to	1	18	0
Two feet day and night best achromatic telescopes....	3	13	6
Do. large aperture best night Telescopes.....	2	16	0
Achromatic stick telescopes, of various lengths, from 1l. 1s. to	5	5	0
The new improved one-foot ditto, with three sliding brass tubes, by which an instantaneous view of the object is ob- tained, and shuts up to a short length for the pocket ..	1	11	6
Second best two drawers ditto	1	1	0
Twenty inch best three-drawers ditto	2	12	6
Two feet best three-drawers ditto	3	13	6
Three feet best five-drawers ditto	5	15	6
Four feet five-drawer best ditto.....	8	8	0
The preceding telescopes fitted up elegantly with silver or plated tubes, from 2l. 2s. to	21	0	0
Astronomical eye-pieces, and portable brass stands for the above, from 10s. 6d. to	2	12	6
The improved 2½ feet achromatic refractor, on a brass stand, mahogany tube, with three eye-pieces, two magni- fying about 40, and 50 times for terrestrial objects, and the other about 75 times for astronomical purposes, in a mahogany case.. .. .	10	10	0
Ditto, ditto, the tube all brass, with three eye-pieces.....	11	11	0
Ditto, with vertical and horizontal rack work motions	15	15	0
The 3½ feet ditto, plain mahogany tube	18	18	0
Ditto, ditto, brass tube	21	0	0
Ditto all in brass, with rack-work motions, &c.	26	5	0
Ditto, the object glass of the largest aperture, and the rack-work motions on an improved principle.....	37	16	0
Ditto, fitted up with equatorial motion, framed mahogany stand, divided altitude and azimuth arches, or declina- tion and right ascension circles, &c. &c. from 60l. to...	80	0	0
A 5 feet ditto, from 84l. to.....	100	0	0
Achromatic perspective glasses for the pocket, in brass, &c. tubes, with a change of eye-glasses, from 12s. to	3	3	0
Improved ditto, answering as an opera glass, with a com- pass and helioscope for viewing the sun, from 1l. 3s. to..	2	2	0
New improved achromatic pocket telescope, which, by a small apparatus within its tubes, is readily converted into a small compound microscope.....	3	13	6
An improved portable 7-inch achromatic telescope in brass, with a stand that packs up into the tube of the telescope, with a power for astronomical uses	4	4	0
REFLECTING TELESCOPES, fitted up either upon the <i>Grego- rian, Newtonian, or Herschelian</i> principles, with improved wood or metal stands, and other apparatus, for making celestial observations in the most commodious and accu- rate manner.—Prices of various lengths and aperture, from 100l. to.....	1000	0	0

Reflectors upon the usual Gregorian construction are made with the vertical motion upon a new principle, so as to render them more firm and steady while in use.

A four feet, 7-inch aperture, Gregorian reflector; with the vertical motion upon a new-invented principle, as well as apparatus to render the tube more steady in observation; according to the additional apparatus of small speculums, eye-pieces, micrometers, &c. from 80 <i>l.</i> to	120	0	0
Three feet long, mounted on a common brass stand,	23	2	0
Do. with rack-work motions, improved mounting, and metals	39	18	0
Two feet long, without rack-work, and with four magnifying powers, improved	15	15	0
Ditto improved, with rack-work motions	22	1	0
Eighteen-inch on a plain stand	9	9	0
Twelve inch ditto	6	6	0
Telescopes, both refracting and reflecting, fitted up with equatorial, &c. motions, micrometers, adjusting, compensating, &c. apparatus, for the most accurate astronomical purposes			
Micrometers, upon the best principle, adapted to either of the refracting or reflecting telescopes, from 3 <i>l.</i> 13 <i>s.</i> 6 <i>d.</i> to	10	10	0
MICROSCOPES, common sort, from 5 <i>s.</i> to	1	1	0
Wilson's single pocket microscopes, from 1 <i>l.</i> 4 <i>s.</i> to	3	13	6
Improved single and compound microscopes, in flat mahogany boxes, from 1 <i>l.</i> 18 <i>s.</i> to	4	4	0
Compound three pillar ditto, from 3 <i>l.</i> 3 <i>s.</i> to	5	15	6
JONES' new improved universal ditto	7	7	0
Ditto, with the most complete apparatus, and with additional magnifiers of great power from 11 <i>l.</i> 11 <i>s.</i> to	14	14	0
Patent Lamps with large silver speculum and condensing lens adapted to ditto	2	2	0
Solar microscopes in brass, improved	6	6	0
The new opaque and transparent solar & single microscopes,	12	12	0
Ditto, larger size, with additional megaloscopic apparatus,	19	19	0
Solar and best compound, combined in one case.	25	4	0
A new lanthorn night microscope with apparatus, to represent the object on a screen or plate of roughed glass	7	17	6
A roughed glass, mounted on frame, for ditto.	1	10	0
The LUCERNAL MICROSCOPE, as improved by <i>W. Jones</i> , exhibiting images of opaque and transparent objects, by night or day, in a manner singularly pleasing, brilliant, and distinct, with upwards of 100 objects, proper apparatus, Argand's lamp, &c.	18	18	0
Ditto combined with solar, compound, &c. apparatus, forming a perfect collection of microscopical apparatus.	42	0	0
A portable optical apparatus, consisting of a sciopic ball and socket, a solar microscope, Wilson's microscope, a pocket compound microscope, a pocket telescope, and solar telescope, in mahogany and brass, with directions.	4	4	0
Pocket microscopes for opaque objects, from 16 <i>s.</i> to	2	12	6
Botanic microscopes for flowers, &c. from 9 <i>s.</i> to	1	11	6
Elliss's aquatic microscope, with apparatus for botanical purposes, in mahogany or leather cases	3	13	6
A new universal pocket ditto, adapted to all sorts of objects	1	8	0
Ditto with adjusting screw, silver speculum, &c.	2	10	0
Set of glass micrometers to 1000 for microscopes	1	1	0
Microscopes to examine cloth, from 4 <i>s.</i> 6 <i>d.</i> to	0	10	6

	£.	s.	d.
Magic lanterns, with various mechanical figures, for phantasmagoria, &c. from 1 <i>l.</i> 4 <i>s.</i> to.....	6	6	0
A set of 21 astronomical slides, shewing the fundamental principles of astronomy with a suitable large size improved lantern complete	10	0	0
Sets of scriptural, botanical, natural history, costumes of nations, and historical subjects of 12 slides each, in cases from 3 <i>l.</i> 3 <i>s.</i> to	4	4	0
Single sliders for magic lanterns, each.....	0	5	0
Ditto, with astronomical diagrams, 21 subjects, each.....	0	6	0
Small magic lanterns, with 12 sliders of English paintings	2	10	0
Optical diagonal machines for viewing prints, from 1 <i>l.</i> 5 <i>s.</i> to	2	12	6
Perspective views in great variety for ditto, each.....	0	1	9
Scioptic balls and sockets, for camera-obscuras, from 15 <i>s.</i> to	1	11	6
An artificial eye in brass, to exemplify the nature of vision	1	15	0
<i>For a description of the principle of this instrument, as well as of spectacles, reading glasses, &c. see G. ADAMS's Essay on Vision, 8vo. price 5s.</i>			
Camera-obscura for the pocket, from 12 <i>s.</i> to	3	3	0
A new-invented folding ditto, in portable morocco leather case	2	10	0
Large do. shutting up as a portable chest, the objects represented on paper, with print apparatus, from 5 <i>l.</i> 5 <i>s.</i> 0 <i>d.</i> to	6	16	6
Concave and convex glass mirrors, truly ground, in plain black frames, four, five, six, and seven inches diameter, each 10 <i>s.</i> 6 <i>d.</i> 14 <i>s.</i> 16 <i>s.</i> and	1	0	0
Eight inches diameter ditto	1	6	0
Nine inches ditto	1	10	0
Ten inches ditto.....	1	16	0
Twelve inches ditto	2	5	0
Fifteen inches ditto	4	0	0
Eighteen inches ditto	6	16	6
Twenty-one inches ditto	9	9	0
Twenty-four inches ditto	12	12	0
Twenty-eight inches do.....	21	0	0
Thirty inches do.....	31	10	0
Concave mirrors ground cylindrically, possessing several curious properties in the deformation of objects; 1 <i>l.</i> 5 <i>s.</i> to	3	3	0
Glass prisms, plain or mounted on stands, from 10 <i>s.</i> 6 <i>d.</i> to	1	11	6
A curious set of optical models, where the rays of light are represented by variously coloured silken strings, and illustrating the principles of vision, telescopes, prisms, &c. packed in a case	7	17	6
A new instrument to shew the polarisation of light, by diaphanous bodies, from 2 <i>l.</i> 2 <i>s.</i> to.....	5	5	0
OPTICAL RECREATIONS. —An optical paradox containing two perspectives, between which a board may be placed and the object will yet be seen through them.....	0	10	6
An optical deception, containing from six to twelve different paintings, which are looked down upon through a perspective, and immediately there appears another very different object, without any alteration of the instrument whatever or concern of the person using it, from 1 <i>l.</i> 11 <i>s.</i> 6 <i>d.</i> to.....	3	3	0
Diagonal opera glass, that shews persons on one side when it is presented in another direction 7 <i>s.</i> 6 <i>d.</i> to.....	0	15	0

	£	s.	d.
Multiplying glasses, making one object appear many, 3s. to	0	10	0
A set of six coloured anamorphoses, or deformed pictures, rectified by a polished metallic cylinder	2	12	6

MATHEMATICAL INSTRUMENTS.

THEODOLITES of the common, four-sights, construction, and of the best workmanship, from 4 <i>l.</i> 4 <i>s.</i> to	10	10	0
A 5-inch theodolite, with a telescope, level, and vertical arch	8	8	0
Ditto 6-inches, with parallel plates, and tangent screw adjustments, &c. divided to three minutes	13	13	0
Ditto with rack-work motions, divisions to a minute	16	16	0
A 4-inch improved ditto, by which the vertical and horizontal angles are shewn at the same time, with rack-work motions, and portable parallel plate staves, &c.	11	11	0
Ditto, ditto, silver limb	12	12	0
A new-improved seven-inch theodolite, with two achromatic telescopes, and contrivances for very accurate adjustments	33	12	0
An Eight inch ditto	42	0	0
A 6 inch ditto, with one telescope	22	1	0
A Twelve inch repeating circle, on the French construction	60	0	0
An Eighteen inch ditto. ditto.	90	0	0
Circumferentors much used in woody countries, from 2 <i>l.</i> 2 <i>s.</i> to	4	4	0
Jones's improved six-inch ditto, rack adjustments, folding sights, vernier to three minutes, divided cover, spirit level, &c, contrived to answer the purpose of a theodolite and altitude instrument, with spare points for the half legs, particularly adapted and now generally used for the purposes of mining.	7	17	6
A Brass Cylinder surveying cross 10 <i>s.</i> 6 <i>d.</i> with staff	0	18	0
Ditto with compass, agate capped needle, &c.	1	15	0
W. Jones's improved ditto divided limb by rack adjustment, making a portable cross-staff, compass, and theodolite.	3	3	0
Common six-inch spirit levels, in brass from 9 <i>s.</i> to	1	11	6
Spirit levels, with 12 inch achromatic telescope best staves	6	6	0
Ditto, with telescope, compass box, and best adjustments . .	7	17	6
Ditto, with eighteen-inch telescope and circumferentor	10	10	0
Two-feet ditto.	12	12	0
Strong ditto, most accurate and durable kind	15	15	0
A pair of Station six-feet levelling staves, sliding vanes, . .	2	18	0
Plane tables, with index, sights, &c. complete, from 4 <i>l.</i> 14 <i>s.</i> 6 <i>d.</i> to	6	16	6
Pantagraphs, by which any person unskilled in drawing may copy plans, surveys, profiles, drawings, &c. in any proportion to the original, one to three feet in length, 1 <i>l.</i> 18 <i>s.</i> to	6	16	6
Perambulators or measuring wheels, upon an improved principle, from 7 <i>l.</i> 17 <i>s.</i> 6 <i>d.</i> to	10	10	0
A new pocket map-meter, that correctly measures routs, boundaries, cross-roads, &c. of maps, from 1 <i>l.</i> 10 <i>s.</i> to . .	2	12	6
Gunter's four-pole stout measuring chain, 10 <i>s.</i> 6 <i>d.</i> —12 <i>s.</i> &	0	15	0
——two-feet navigation scale, from 3 <i>s.</i> to	0	4	0
——ditto improved by Donn, with directions.	0	6	0
——two-feet sliding navigation scales.	0	9	0
——three-feet ditto improved by Robertson, with brass adjusting screws, &c. being the completest scale of the kind	1	15	0

	£.	s.	d.
Gunter's Sectors of various lengths, wood or brass, from 2s. to	5	5	0
A New Pocket 10-inch box sliding rule for solving all sorts of problems in trigonometry, mensuration, engineering, &c.	0	5	0
Measuring tapes, 1, 2, 3, and 4 poles, 6s. 7s. 6d. 9s. 6d. to	1	1	0
Pedometers to ascertain distances by carriages, &c. 2l. 12s. 6d.	10	0	0
Miner's compasses in wood or brass for working in subterraneous grounds, from 1l. 10s. to	7	17	6
Cases of drawing instruments, from 5s. 6d. to	6	6	0
Magazine, or complete collection of every kind of useful drawing instruments, from 5l. 5s. to	36	15	0
A new portable drawing board and seat, the board folds up for the pocket, and the legs of the seat form a walking stick	1	1	0
Proportional compasses, from 1l. 11s. 6d. to	3	3	0
Elliptical compasses of various degrees of perfection and utility, from 1l. 1s. to	5	5	0
Farey's newly constructed pocket elliptic machine, in brass, for describing ellipses, in the most accurate manner.	5	5	0
Triangular compasses, by which three points at once may be transferred, from 13s. to	1	5	0
Hair compasses that take extents to a great accuracy	0	7	6
Beam compasses for dividing large circles, projections, &c. from 1l. 8s. to	3	13	6
Bow compasses for describing very small circles, from 3s. 6d. to	0	7	6
Perspective compasses to take the relative positions of objects, angles, &c. to be transferred on paper	1	18	0
Parallel rulers of different constructions, from 2s. to	2	12	6
Protractors of brass for laying down angles, from 2s. to	1	1	0
Ditto circular with a nonius and moveable index.	2	2	0
Ditto, ditto, very best with rack and pinion	4	4	0
Sets of protracting and plotting scales ; instruments for dividing or transferring lines. For describing circles from four to six feet radius or to the utmost conceivable distance— Gunners callipers—Gunners levels or perpendiculars— Shot gauges—Shell ditto—Gunners quadrants, with a plummet or level, and adjusting screw, &c. and all other instruments for graphical and military purposes.			
HADLEY'S QUADRANTS, mahogany, the divisions on wood	2	2	0
Ditto mahogany with ivory arch and nonius, double observation	2	12	6
Ditto, ebony and brass, best glasses, engine divided, &c.	3	3	0
Ditto, with tangent and adjusting screws, &c.	3	13	6
Ebony and brass mounted best sextants, from 4l. 4s. to	7	17	6
A ten-inch common brass sextant.	9	9	0
Metal 8, 9, or 10 inch ditto, framed on a principle the least liable to expand or strain, with adjusting screws, telescopes, and other auxiliary apparatus, divided to 30'', 15'', or 10'' the best for taking distances accurately, to determine the longitude at sea, &c. from 13l. 13s. to	16	16	0
A new 3-in. pocket box sextant, angles to a minute, 3l. 3s. to	5	5	0
A ten-inch improved reflecting circle, that enables an expert observer to obviate the very minute errors of a sextant, or by repeating observations, to reduce such errors to immaterial quantities, from 18l. 18s. to	26	5	0
Portable brass jointed stands for the sextant or circle, in a mahogany case.	5	15	6

	£.	s.	d.
Artificial horizons, by parallel glasses in mahogany mounting, to take double altitudes by	1	18	0
Ditto best kind in brass mounting and case, with quicksilver	3	13	6
Gunter's quadrant, in box from 6s. to	1	1	0
Steering and amplitude compasses 10s. 6d. to	4	4	0
Azimuth ditto improved, of different constructions, 5l. 5s. to	12	12	0
Pocket compasses, in wood, metal, and silver, from 2s. 6d. to	5	5	0
Horizontal sun-dials, in brass, made for any latitude, of four, five, or six inches diameter, divided into five minutes of time, each at 8s. 12s. and	0	16	0
Ditto seven inches	1	1	0
Ditto eight inches, into two minutes	1	6	0
Ditto nine inches, ditto	1	15	0
Ditto ten inches, ditto	2	2	0
Ditto twelve inches ditto, with equation table	4	4	0
Ditto fifteen inches, into every minute, thirty-two points of the compass, &c.	5	15	6
Ditto eighteen inches ditto, ditto, with equation table, &c.	10	10	0
Ditto 2 feet diameter, ditto, ditto	18	18	0
A new universal ditto and equatorial, making a very portable angular instrument, from 8l. 8s. to	21	0	0
Universal ring-dials, from 12s. to	5	5	0
Boxes of geometrical solids cut out in wood or glass, for illustration of solid geometry, and crystallography, 9s. to	5	0	0
MATHEMATICAL RECREATIONS. The two curious mathematical cubes, one of which is gauged so as to prove it to be larger than the other, yet the <i>larger</i> one will actually <i>pass through the smaller</i> one, and not in any degree stretch it	0	15	0
The mathematical paradox, a piece of wood that fits exactly, and passes through, a triangle, square, and circle.	0	2	6
A double cone, that apparently rolls up an inclined plane, though actually descending	0	6	0
The mosaic recreation, or pavements, which by the combination of 64 squares, may produce 63,000 changes, with explanatory book, from 9s. to	0	10	6

For a general description and representation of the instruments used in surveying, levelling, and other branches of practical geometry, &c. see the late Mr. G. ADAMS' Geometrical and Graphical Essays, the 4th and improved edition by W. JONES, in two vols. 8vo. with thirty-five folio copper-plates. Price 16s.

ASTRONOMICAL, &c. INSTRUMENTS.

A portable TRANSIT INSTRUMENT, with a cast-iron stand, to ascertain the rate of chronometers, and clocks, the longitude, &c. the axis is twelve inches in length, and the achromatic telescope about twenty inches, packed in a case.	16	16	0
Ditto, with a brass framed stand, and other additions	21	0	0
Transit instruments of larger dimensions made to order.			
A six-inch brass astronomical circle for altitudes, zenith or polar distances, azimuths, with achromatic telescope, &c.	27	6	0
A twelve-inch ditto, from 36l. 15s. to	68	5	0
An eighteen-inch ditto, best.	105	0	0
Larger astronomical circles for Observatories, made to order.			
Universal Equatorials, 4 and 6 inch circles 8l. 8s. to	13	13	

	£.	s.	d.
Best improved do. with large axis, silver circles, &c.	48	6	0
An astronomical clock, with mercurial, or other compensating Pendulum, according to the jewelling 47 <i>l.</i> 5 <i>s.</i> to . . .	84	0	0
Planetariums, shewing the phænomena of the Ptolemaic and Copernican systems, from 7 <i>l.</i> 7 <i>s.</i> to	50	0	0
Manual orreries of the common construction, 3 <i>l.</i> 3 <i>s.</i> to . . .	5	15	6
Jones's (Wm.) new portable orrery, the tellurian part	1	8	0
Ditto, the planetarium part with the above, in a case.	3	3	0
Tellurian, larger, & planetarium together, making the <i>New Portable Orrery</i> , packed in boxes, according to the sizes and wheel-work, the earth a 1½ inch globe, from 3 <i>l.</i> 13 <i>s.</i> 6 <i>d.</i> to . . .	7	7	0
Ditto, on wood, or brass framed stands, from 16 <i>l.</i> 16 <i>s.</i> to . . .	22	1	0
A complete planetarium, tellurian, and lunarium, all elegantly made in brass, shewing the motions completely by wheel-work, packed in a mahogany case, the earth a 3 inch globe, . . .	37	16	0
Other planetariums and orreries in great variety, the motions by wheel-work, exemplifying all the motions and phænomena of all the planets, from 40 <i>l.</i> to	1000	0	0
A new Cometary, for exemplifying the motion of comets . . .	5	5	0
THE NEW EIGHTEEN INCH BRITISH GLOBES —The Terrestrial, containing all the latest discoveries and communications, from the most correct and authentic observations and surveys, including Captain Parry, Franklin & to the present time The Celestial containing the positions of nearly 6000 stars, clusters, nebulae, planetary nebulae, &c. correctly computed and laid down, by <i>W. Jones</i> , from the latest observations and discoveries, by <i>Dr. Maskelyne</i> , <i>Dr. Herschel</i> , the <i>Rev. F. Wollaston</i> , &c.			
In common plain frames of stained wood	8	8	0
A compass fitted to both the frames of ditto.	0	6	0
A pair of red leather covers for ditto	1	8	0
The same globes in best mahogany claw-feet frames, with large compasses fixed to the claw feet.	13	13	0
Ditto, in more elegant and varnished frames, with improved brass sliding hour circles, from 14 <i>l.</i> 14 <i>s.</i> to	18	18	0
Red and stamped leather covers for the above, from 1 <i>l.</i> 10 <i>s.</i> to . . .	3	13	6
THE NEW TWELVE INCH BRITISH GLOBES , reduced from the above, being the most recent and correct of any extant, mounted in mahogany claw-feet frames, with compasses			
Ditto, in common coloured wood frames	4	4	0
Additional price of a compass, and fitting to both globes . . .	0	5	0
A pair of red leather covers for ditto	0	13	0
Globes, 3 feet diameter, of new plates	63	0	0
Ditto 28 inches diameter, of <i>SENEX</i> 's plates, in Latin and English, in plain mahogany frames	42	0	0
Ditto 21 inches, Cary's plates according to frames, 10 <i>l.</i> 10 <i>s.</i> to . . .	21	0	0
Ditto 15 inches, do. plates, 6 <i>l.</i> 16 <i>s.</i> 6 <i>d.</i> to	10	10	0
Nine inch ditto, old or new plates, 2 <i>l.</i> 8 <i>s.</i> or	3	3	0
Ditto, six and four inches, in plain mahogany frames.	2	10	0
Ditto, in pillar and claw feet frames.	3	3	0
Ditto, three inches, according to frames, 2 <i>l.</i> 2 <i>s.</i> to	2	17	0
Ditto, terrestrial, in a case for the pocket 10 <i>s.</i> 6 <i>d.</i> to	0	16	0

	£.	s.	d.
Russell's Selenographic 12 inch globe, being a correct globular representation of the Moon's disc.	5		0
Geographical planispheres, to solve problems, mounted as a hand fire screen	0	9	0
A brass armillary sphere, three inches diameter	3	13	6
A four inch ditto	4	14	6
A six inch ditto	6	6	0
A nine inch ditto	10	10	0
A twelve inch ditto	13	13	0
Larger ditto, with internal planetarium, from 21l. to.	105	0	0

For a general description of orreries and other astronomical instruments, see the late Mr. G. ADAMS' Astronomical Essays, 8vo. with sixteen plates; sixth edition, price 12s. improved by W. JONES.

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