

London Sheet, Pneumatic, Pressure, distal, 876, low stand	\$12.50
Swiss Pneumatic, Price, 476, and	3.00
Improved Central Station, with hand central station	6.00
Illustration for illustrating the rest of the Sun, Moon and Earth to	12.00
revelation, Price, 88 and	
Mathematical Astronomical Maps, of 12 sheets, parts	20.00
by 3 feet. Price, 60, mounted on rollers, price \$16, mounted on	
canvas and rollers	3.50
Smith's set of four Astronomical Diagrams, mounted on one chart	24.00
Drew's Astronomical Charts, 12 Diagrams, mounted	1.50
C. K. See's Astronomical Charts, Atlas form	4.00
Reynolds' set of six Astronomical Diagrams on one chart	

VIII. PNEUMATICS.

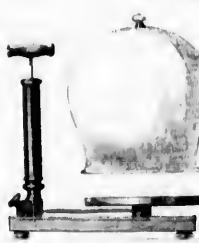


FIG. 13.



FIG. 14.

Air Pump, No. 1, barrel 7 1/2 by 2 inches; plate 8 inches; on walnut	\$22.00
stand, well finished. Without bell glass	
Air Pump, No. 2, barrel 7 1/2 by 1 1/2 inch, on walnut stand; plate 8 inches	12.50
Without bell glass	
Sterilized Bell Glasses, Open Top Bell Glasses, and Bell Glasses with screw	
caps to receive a stopcock, &c., from one to four gallons various	
prices.	
Hemispherical Cups, with stop-cock, handles and stand	6.00
Stand, Lever and Fulcrum, used with Hemispherical Cups	5.00
Freezing Apparatus for Air Pump, bell glass and pan for acid	1.00
Revolving set, for condensing Air Pump, No. 20 and	2.20
Gins and Feather Apparatus, with receiver, 88, 10 and	12.00
Sinking Bolt, with Packing Screw, for experiments with Air Pump	2.20
Cartesian Bottle Imps, with Glass Jar	1.00
Baculus Experiment, for transfer of liquids under Air Pump	0.40
Standard Wheel, Aneroid and other Barometers, from \$8.00 to	72.00
A list of additional Pneumatic Apparatus will be sent on application	

IX. ELECTRICITY.

Electrical Machines; plate 20 inches; prime conductor 36 by 5 inches,	\$105.00
malloys, base 5 1/2 inches by 4 feet.	
Electrical Machine; plate 12 inches; prime conductor 12 by 3 inches,	18.00
walnut base.	
Spiral Spotted Tube, with Brass Ends, 80, 90 and	8.00
Spiral Spotted Tubes, set of six, with centre insulated pillar, and revol-	
ving discharger, mounted on malloys stand	24.00
Insulating Stand, without top, with four glass jars	2.75
Electrical Trough or Teflurium, 81, 90 and	3.50
Electrical Inclined Plane, mounted on insulated stand	3.00
Aurora Borealis Apparatus	2.00
Thunder House, illustrating the Lightning Rod, 81	6.00
Electrical Gas Pistol with Brass Barrel	1.20
Universal Electrical Discharger, with insulated stand	6.50
Jointed Dischargers, from \$2.25 to	1.50
Diamond or Luminous Jars	3.75
Electrical Spectrometer, Leyden Jars, Insulated Stands, Electrometers, Tin	
Foil, Duflet Gold, Amalgam and other Electrical Apparatus at various prices	

X. MAGNETISM, GALVANISM, &c.



FIG. 15.

Morse's Telegraph clock work, key and paper reel	\$45.00
English Telegraph Model, with signs, 85, 10 and	3.00
A Receiver, for use with the Electric Telegraph Model,	
and other galvanic experiments	5.40
Double Beam Vial Engine	20.00
Daniell's, Smee's, Grove's, and Charcoal Batteries, at	
various prices	
Apparatus for the decomposition of water, 81 to	3.00
Electro-Magnetic Machines, each, 86, 80, 87, 50 and	0.50
Charles's Electro-Magnetic Needle	2.00
Electro-Magnets and Keepers, various prices.	
Electro-Magnetical Oils, in boxes, complete, various prices.	
Illustrative Magnets, with Armatures, various prices.	
Collection of objects to illustrate Magnetism	2.50
Magnetic Toys, ships, fish, swan, &c., in boxes, various prices.	
An additional list sent on application.	

XI. CHEMICAL LABORATORIES, GLASS-WARE, &c.

1. Chemical Diagrams.

Reynolds' set of Six Chemical Diagrams, on one Chart	\$1.00
Yonman's Chemical Chart and Book	6.00

2. Griffin's Chemical Laboratories.

Chemical Laboratories, in Portable Cabinets, containing Apparatus and Preparations for a course of Elementary Experiments. Packed by the publishers, and sold unopened. Price, \$1, \$1.50, \$8, \$10, \$12.50 and \$15 each.

3. Statham's Chemical Cabinets.

Similar to the foregoing (Negretti and Zander's). Packed by the publishers, and sold unopened. Prices, \$5.50, \$8, \$11, \$17, and \$14 each.

4. Chemical Glassware, &c.

Hydrogen Balloons of gold beater's skin, from	\$1.00
India Rubber Gas Bags, with stopcocks, from	4.00
Plain and Tubulated Retorts, from 25 cts. to	1.00
Pneumatic Troughs, Glass Funnels, Gas Jars, Spirit Lamps, Woulff's Bot-	
tlers, Test Tubes, Test Tube Stands, Retort Stands, Funnel Holders, Blow-	
glass Tubes, Boiling Flasks, Pipettes, Altimeters, Connecting Tubes, India	
Rubber Tubing, &c., &c., including all the necessary glassware for chemical	
experiments, at various prices.	

Laboratories for Agricultural and Experimental Chemistry, containing all the necessary Apparatus for performing the experiments referred to in the authorized Text Books, can be put up at the Depository, to suit the size and requirements of class. Various prices.

XII. STEAM AND HEAT.

Sectional Model of Steam Engines, from \$13 to	\$88.00
Working Models of Steam Engines, with Spirit Lamp, \$1.30	5.00
Working Model of Locomotive, with Spirit Lamp	12.00
Various Steam Engines, with Fuel	0.50

Diagrams of Steam Engines, see Philosophical Diagrams No. VI.

Pycnometers, Conductimeters, Thermometers, &c., at various prices.

XIII. HYDROSTATICS AND HYDRAULICS.

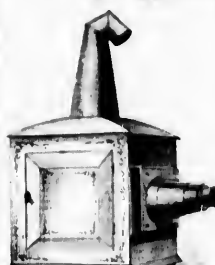
Models of Forcing and Lifting Pumps, various prices.	
Models of Water Wheels, overshot, &c.	\$10.00
Archimedes Screw Pump, with Stand	5.00
Centrifugal Pumps, Heron's Fountain, Barker's Mill, &c., at various prices.	

The brass geared Teflurium, manufactured under the direction of the Editor, is a partment, is made to receive by means of a set of brass wheels, which is not so liable to get out of order as the instrument with the iron.

XIV. MECHANICS.

Mechanical Powers, with weights, pulleys, &c., No. 417 and	\$28.50
Joint Lever, with weights and description	1.50
Train of Spur Wheels, &c.	6.00
Inertia Apparatus, with fuel	0.60
Centre of Gravity Apparatus, per set	1.20
Centrifugal Machines, with apparatus for illustrations	0.75
Collision Balls, complete	3.50
Working Model of the Screw	1.25
Working Model of a Lock with Key	1.80

XV. MAGIC LANTERNS, &c.



MAGIC LANTERN FIG. 16.

No. 1. Dissolving View Appa-	
rate, including two Phantasmagoria	
Lanterns with 4 1/2 inch improved con-	
densing lenses, brass fronts and dis-	
sol, in box which is used as a stand,	
also Oxycyanide Light Apparatus,	
consisting of Fountain Spirit Lamp,	
India Rubber Gas Bag, Pressure	
Boards, reflector and purifier for making	
the gas, flexible tubing and box of	
lime cylinders. Price, \$85	
No. 2. Dissolving View Appa-	
rate, including two Phantasmagoria	
Lanterns and Brass dissolver, same as	
No. 1, with Fountain or Solar Lamp	
boral, instead of the Gas Apparatus	
Price, \$40	
No. 3. Phantasmagoria Lantern,	
single same as Nos. 1 and 2, with	
Oxycyanide Light Apparatus, \$50	
No. 4. Phantasmagoria Lantern,	
with pair of 4 1/2 inch improved con-	
densing lenses, brass front and Foun-	
tain or Solar Lamp, \$17.50	
No. 5. Phantasmagoria Lantern,	
with pair of 3 inch condensing lenses, brass front and best Fountain Lamp,	
\$13.50	
No. 6. Phantasmagoria Lantern, with pair of 3 inch condensing lenses, brass	
front and Tin Argand Lamp, \$12.50	
No. 7. Magic Lantern, with 3 1/2 inch lenses, brass front and Tin Argand	
Lamp, \$11.50	
No. 8. Magic Lantern, 3 inch lenses, brass front and Tin Argand Lamp,	
with box of 12 long amusing slides, \$12.50	
No. 9. Magic Lantern, 3 inch lenses and brass sliding front, with box of 12	
long amusing slides, 87	
No. 10. Magic Lantern, 2 1/2 inch lenses and brass sliding front, with box of	
12 long amusing slides, 87	
No. 11. Magic Lantern, 2 1/2 inch lenses and brass sliding front, with box of 12	
long amusing slides, 87	

Magic Lantern Slides.

1. Fourteen inch Astronomical Diagrams, on slides, showing the position, size and principal phenomena of the solar system, suitable for lanterns 1 to 7, per box, from \$10 to \$27.
2. 12 inch Astronomical slides, suitable for lanterns 5 to 7, 88.
3. 11 inch Natural History, for lanterns 1 to 7, per box, \$8 to \$12
4. 12 inch Natural History, for lanterns 5 to 7, per box, \$5.50 to \$6
5. Scripture History, beautifully colored, suitable for lanterns 1 to 7, from \$2.50 to \$5.25
6. Paintings of celebrated buildings, English wars, Ruins and Abbeys, India, China, Arctic Regions, Russian War, Holy Land, Egypt, Missionary Scenes, Natural Phenomena, &c., suitable for lanterns 1 to 7, from \$1.50 to \$2.50
7. Photographs of Scripture History, Statuary, Celebrated places, Natural Phenomena, Geology, Hogarth's Pictures, &c., plain, \$1.50 to \$2 each; beautifully colored, suitable for lanterns 1 to 7, from \$2.20 to \$3.75 each.
8. Views with moving shipping, suitable for lanterns 1 to 7, \$2.25 to \$3 each.
9. Panoramic views, new style, suitable for lanterns 1 to 7, \$3.75 each.
10. Dromedary's Progress, [Cruikshank's] set of 8 slides, for lanterns 1 to 7, \$12 to \$25 per set.
11. Lever and Back-work, slides for lanterns 1 to 7, \$1.75 to \$2.50 each.
12. Pilgrim's Progress, set of 12 pictures, for lanterns 1 to 7, \$10 to \$30.
13. Chromatopes, or artificial fire works, suitable for lanterns 1 to 7, \$2.50 to \$5.75 each.
14. War in Abyssinia, set of 12 slides, for lanterns 1 to 7, \$17.
15. Life of Joseph, set of 12 slides, for lanterns 1 to 7, \$13.
16. Robinson Crusoe, set of 6 slides, suitable for lanterns 1 to 7, \$6 to \$10.
17. Amusing slides, set of 12 in a box, for lanterns 1 to 7, \$6 to \$10.
18. Puss's Road to Ruin, set of four, for lanterns 1 to 7, \$4.50.
19. Movable comic and other slides, for lanterns 1 to 7, \$5c. to \$1.
20. Zoological slides, set of 12, suitable for lantern No. 8, price \$3.00 to \$5.
21. Amusing slides, set of 12, suitable for lantern No. 8, \$1 to \$2.25.

XVI. MICROSCOPES, TELESCOPES, &c.

Compound School Microscope, on firm tripod stand, with two object	
glasses, &c., in upright polished cabinet with drawer, from \$14 to	\$50.00
Compound Microscope, in malloys box, from \$2.40 to	6.00
Simple Microscope, with rack movement, mirror, Power-powers, tweezers,	
glass slides, and two objects in malloys case	3.50
Best Preparations, mounted in Balsam or fluid, various prices.	
Nearly mounted objects for beginners, on slides, (assorted insects, vegeta-	
ble and other preparations) From 60c. per dozen	
Astronomical Telescopes, mounted on brass tripod stand, packed in Ma-	
lloys case. Various prices.	
Achromatic Telescopes, with two or three drawers. Various prices.	
Models of the Human Eye, in three parts, viz: (1) The Eyeball dis-	
sected, with stand; (2) The Muscles of the Eye; (3) The Cause of	
Long, Short and Imperfect sight	14.50
Set of Seven Mirrors, mounted to resemble the seven prismatic colours,	
and recompose white light	11.50

XVII. TABLET READING LESSONS, &c.

Tablet Reading Lessons (1st Book), sheets, 75 cts., mounted on card-	
board (both sides); 82, ditto varnished 84, mounted on card board	
(one side) varnished	\$6.00
Geographical Lesson Sheets to accompany maps, 50 cts., mounted on card	
board, varnished	3.50
C. K. See's Scripture Manners and Customs, large print, set of 30 sheets	8.00
\$1.50, mounted on card board \$6.50, mounted on stretchers	
C. K. See's Scripture History, large print, set of 23 sheets, \$1.20,	
mounted on card board \$5.50, mounted on stretchers	7.00
C. K. See's Scripture Sites, large print, set of 12 sheets 70 cts., mounted	
on card board \$3, mounted on stretchers	4.00
C. K. See's Scripture Sites, small print, set of 30 sheets, \$1.13, mounted	
on card board \$5.50, mounted on stretchers	7.00
C. K. See's Hymns for Children, 6 sheets	0.30
Ten Commandments, large size, mounted on canvas and rollers	0.50
Time Table, mounted on card board	0.25
Unit Table, mounted on card board	0.25
Programme of Studies, mounted on card board	0.30
Stories of Pupils and Teachers, mounted on card board	
Set of 20 Educational Lesson Sheets, large print, \$1, or mounted on card	
board, each	0.30
Honor Roll for Public Schools	0.75
Honor Roll for High Schools	0.75
Flat Blackboard Eraser	0.45
Blackboard Pointers, 10 cts., 13 cts. and	0.15
Geometrical Forms and Solids, per box	2.00
Numeral Frames, each	0.75

Articles on which the 100 per cent, is not allowed.

Non-evaporating Metal Ink Wells, per dozen	3.00
Metal Ink Wells with iron covers, 6 screws on desk, per dozen	1.50
Liquid Slating for Blackboards; can be used on paper, wood, or plaster,	
per quart can	1.50
Chalk Crayons, white and coloured, at various prices.	

NOTE: Packing Boxes for 5, crates, &c., from 10 cts. to 75 cts., each

X This set contains Tablets
Texts, Mother's Son frame &c.