



DESCRIPTIVE CATALOGUE

OF A CONSIGNMENT OF VALUABLE

ENGRAVINGS, LITHOGRAPHS,
MAPS, CHARTS, &c.,

MOUNTED ON STRAINERS OR ROLLERS,

ALSO, A LARGE NUMBER OF

PHILOSOPHICAL INSTRUMENTS,

SUITABLE FOR

ENGINEERS, SURVEYORS, MEDICAL, AND OTHER PROFES-
SIONAL MEN, SCHOOLS, COLLEGIATE INSTITUTIONS, &c.,

CONSISTING OF


INSTRUMENTS FOR SURVEYING, MICROSCOPES, MAGIC LANTERNS, ELECTRICAL,
GALVANIC AND OTHER APPARATUS, PHILOSOPHICAL TOYS, GLOBES, &c.

TO BE SOLD BY AUCTION,
ON THURSDAY, 21ST OF MARCH, 1867,
AND FOLLOWING DAY.


The Articles will be arranged for examination at MR. SHAW'S
Stores, 97 Great St. James Street, Montreal, three days previous
to the Sale, where intending purchasers can examine the Collec-
tion. Sale each day from 7 to 10 P.M. in order of the Catalogue.

Gentlemen unable to attend the Sale can have their orders
faithfully attended to by the Auctioneer.

HENRY J. SHAW.



MONTREAL: PRINTED BY JOHN LOVELL, ST. NICHOLAS STREET.



FOR CONDITIONS OF SALE, SEE THIRD PAGE.

CONDITIONS OF SALE.

1. All purchases to be for Cash in Bankable funds.
2. The highest bidder to be the buyer. If any dispute shall arise between two or more bidders, the Auctioneer not being able to decide, the lot so disputed shall be put up again and resold.
3. The purchaser shall give his name and residence, and pay a deposit, if required; the same to be in part payment of the purchase money; in default of which, the lot or lots so purchased, will be put up again and resold, and the first purchaser will have to pay all charges and make good all losses on such resale.
4. The lots to be taken away, at the purchaser's expense, on the morning after the sale; and the purchase money to be paid previous to the delivery of the goods.
5. Upon failure to comply with the above conditions, the money deposited will be forfeited, and all goods not removed within the time named, may be *resold* by public or private sale, on account of the purchaser, and any deficiency occurring at such resale to be made good by said purchaser.
7. The Government Duty of one per cent. must be paid by the purchaser.

Gentlemen who cannot attend the Sale, may have their commissions faithfully executed by the Auctioneer.

HENRY J. SHAW.

Principal Auctioneer for the sale of Literary Property, Works of Art, and Household Effects: Valuations of Household Furniture and Libraries attended to. Principal Office, 97, Great St. James Street, Montreal.

MISCELLANEOUS ENGRAVINGS, MAPS, &c.,

Varnished and Mounted on Stretchers,

WELL ADAPTED FOR DAY OR SABBATH SCHOOLS.

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- 1 AN Introduction to Geometry, being a Series of Geometric Forms, beautifully coloured, size 2 feet 6 inches by 2 feet. Pictorial illustrations showing the various Geometrical Terms, as illustrated by familiar objects, size 2ft by 1ft 8in. 3 *diagrams*.
 - 2 SMITH'S Map of North America, Including Part of the West India Islands, embracing recent discoveries, beautifully colored, size 2ft 10in. 1 *map*
 - 3 MAP of the St. Lawrence and Ottawa Grand Junction Railway, showing also the Connection between Canadian and American Railways. Colored Map of the World, illustrating the influence of climate upon vegetation, beautifully colored, each 2ft by 1ft 6in. 2 *maps*.
 - 4 THREE Scripture Texts Printed in Large Letters: (I) "Honor all Men, Love the Brotherhood, &c.;" (II) "Blessed are the Merciful, for they shall obtain mercy;" (III) "Young Men likewise exhort to be sober minded;" each 2ft by 1ft 8in. 3 *stretchers*.
 - 5 CHURCH of England Catechism in parallel columns. The Apostle's Creed, printed in large type. each 2ft by 1ft 6in. 2 *stretchers*.
 - 6 FOUR Scripture Texts printed in large letters: (I) "Let every soul be subject unto the higher powers;" "Fear God, Honor the King;" (II) "Speak not evil one of another;" (III) "Children obey your Parents in all things;" (IV) "Go to the Ant thou Sluggard, consider her ways and be wise;" each 2ft by 1ft 8in. 4 *stretchers*.
 - 7 THE COW; being a Series of Eleven well Colored illustrations, showing the many uses of the Cow, during its life and after its death, size 2ft by 1ft 6in. Farm Yard, a colored engraving of an English homestead, size 1ft 7in by 1ft 5in. Gardening, a colored engraving, showing the various branches of a gardener's calling, size 2ft by 1ft 7in. 3 *stretchers*.
 - 8 BOTANICAL Diagrams, colored: (1) Vegetable Kingdom, Flowers; (2) Wild and Garden Vegetable; (3) The Cotton Plant, showing the various styles of its growth. each 1ft 7in by 1ft 4in. 3 *diagrams*.
 - 9 TABULAR View of the Classification of Animals and Vegetables, after Cuvier and Decandolle with upwards of fifty engravings, size 2ft 3in by 1ft 10in.
 - 10 DIAGRAMS of Comparative Anatomy, Nos. 1 & 2, showing the Structural Differences of the Animal Kingdom, according to classification, twenty-eight illustrations. The Bones of the Lion, showing also outlines of the muscles. The bones of the Eagle, same style as preceding, each 1ft 10in by 1ft 4in. 4 *diagrams*.
 - 11 THE Ship, a Colored Engraving of a Ship of the Line, with engravings on the margin of the various parts, &c. Articles used in the Kitchen, each 1ft 11in by 1ft 7in. 2 *diagrams*.
 - 12 THE GREAT Eastern Steam Ship, designed by Brunel, showing the Ship under full sail, longitudinal section and plan, with a scale of feet and a full account of its construction, accommodation &c., colored. Sectional view of a first rate Man of War (The Royal Albert), colored, showing the most minute portion of a British Man of War, with an explanation of the various parts. Comparative view of twenty two different Direct Action Marine Engines, engraved with the greatest accuracy, from original designs, each 2ft 6in by 1ft 10in. 3 *diagrams*.
 - 13 DARTON'S Elementary Plates for Music and Singing, after Pestalozzi's Method, size 3ft 1in by 2ft 1in. 1 *diagram*.

6 DESCRIPTIVE CATALOGUE OF MAPS, DIAGRAMS, CHARTS, ETC.

- 14 BETHLEHEM; An Authentic engraving of Bethlehem, beautifully colored, size 2ft 4in by 1ft 9in. Physical map of Palestine, showing the Mountains, Lakes, Rivers, &c., size 2ft 10in by 2ft. 2 *diagrams*.
- 15 JULIEN'S French Engravings for Crayon Drawing Models, (Hands and Feet) each 1ft 9in by 1ft 3in. 6 *diagrams*.
- 16 HISTORICAL Prints in Grecian History, Representing some of the Most Memorable events, in two parts: I. Thirty-five engravings from the Foundation of Athens. II. Thirty-five engravings from 418 B.C., to the Siege of Tyre, size 2ft 4in by 1ft 11in. 2 *diagrams*.
- 17 RAPHAEL'S Cartoons, Six Engravings from the Originals of Raphael, illustrating some of the most interesting portions of the New Testament, viz: (1) The Miraculous draught of fishes. (2) Death of Ananias. (3) Peter and John at the Beautiful Gate (5) Elymas struck blind. (6) Paul and Barnabas at Lystra, each 1ft 6in by 1ft 3in. 6 *diagrams*.

**Maps, Diagrams, Charts, &c., Mounted on Canvas, Var-
nished, with Rollers, Suitable for Engineers, Manu-
facturers, Professional Men, Mechanics, Insti-
tutes, Schools, &c., &c.**

- 18 STEAM Engines, Beautifully Colored, each 2ft 10in by 2ft. 1. Locomotive Engine, a sectional view, showing the interior construction, with explanation. 2. Double Action Condensing Steam Engine, sectional view with reference. 3. High Pressure Steam Engines, with front and side elevation, explanation, &c. 4. The Marine Engine, longitudinal section, showing the complete workings and end view, with the names attached to each part of the machinery. 5. Oscillating Marine Engines, showing the structure, mode of action, &c. 5 *diagrams*.
- 19 DIAGRAMS of Fire Engine and Pumps, colored, each 2ft 10in by 2ft 1in. 1. Fire Engine Section, showing the manner in which it is worked, also small diagram of the working parts. 2. Common Suction Pump, Force Pumps and the Suction and Force Pumps combined, with explanation of construction, &c. 2 *diagrams*.
- 20 DIAGRAMS of Hydraulic Press and Distilling combined, each 2ft 10in by 2ft 1in. 1. The Hydraulic Press with section of the working part and explanation. 2. Apparatus for Distilling, showing the whole process of distillation. 2 *diagrams*.
- 21 DIAGRAM of the Manufacture of Cast Iron and Coal Gas, colored, each 2ft 10in by 2ft 1in. 1. Manufacture of Cast Iron with section of a Blast Furnace, Roasting the Iron Ore in Kila, casting Pig Iron, &c. 2. Manufacture of Coal Gas, showing the whole process, from the time the coal is put in the retort until it leaves the Gas-holder. 2 *diagrams*.
- 22 DIAGRAMS of Thrashing Machines and Flour Mill, colored, each 2ft 10in by 2ft 1in. 1. Thrashing Machine, showing the workings, with a Sketch of the invention, &c. 2. Flour Mill, showing the whole process of converting grain into flour. 2 *diagrams*.
- 23 DIAGRAMS of Watch and Clock Making, colored, each, 2ft 10in by 2ft 1in. 1. Diagram illustrating the principles of the Watch, showing the whole machinery employed in the construction of a Modern Watch. 2. Mechanism of the Clock; moving and regulating power, the pendulum and its appendages, and the mechanism for striking. 2 *diagrams*.
- 24 DIAGRAM of the Printing and Paper Making Machines, colored, each 2ft 10in by 2ft 1in. 1. Paper making machine, showing the whole process of the manufacture of paper. 2. Printing machine, showing the process of printing, the name being printed on each portion of the machinery. 2 *diagrams*.
- 25 DIAGRAM of the Electric Telegraph and the Barometer, colored, each 2ft 10in by 2ft 1in. 1. The Electric Telegraph, showing its action with the Galvanic Batteries attached, &c. 2. The Barometer and its use, showing the construction of the standard and wheel Barometer, also a Sketch with the height of

- Mercury in inches, from the level of the sea to different atmospheric heights. 2 diagrams.
- 26 DIAGRAM of Glass Works, beautifully colored, showing the interior of a Glass Manufactory, with the different processes of blowing, baking, &c.; 2ft 8in, by 4ft 3in. 1 diagram.
- 27 DIAGRAM of Gas Works, a beautiful colored lithograph of the entire work connected with the manufacture of gas, 2ft 8in by 5ft; accompanied with a Treatise on Gas Works, and the practise of Manufacturing, &c., by Hughes. Book and diagram.
- 28 VIEW of the Interior of the Crystal Palace in 1851, beautifully colored, 2ft 4in by 3ft 4in.
- 29 THE Cotton Plant and its Progress, two diagrams, containing twelve excellent engravings of the different processes employed in the manufacture of cotton, viz: Cotton Plantation, Willowing, Lap-frame, Carding, Bobbing, Spinning, Bleaching, Warping and Winding, Dyeing, Printing, &c., each 3ft 3in by 2ft 6in.

**Charts, &c., relating to Natural History, &c., including
Botany, Zoology, Geology, Physiology, &c.**

- 30 PROF. Henslow's enlarged Botanical Diagrams, a most valuable set, beautifully colored from nature, lithographed by Day & Son, lithographers to the Queen; nine diagrams, scientifically arranged, with key to illustrations and classifications on each sheet. No. 1, Phaenogamous Plants. Class 1, Dicotyledons. Order 1, Ranunculants; 2, Crucifers; 3, Malvanths; 4, Hypericants. No. 2, Order 5, Legumens; 6, Rosants. No. 3, Order 7, Lythranths; 8, Umbellifers; 9, Composites; 10, Dipsacants. No. 4, Order 11, Ericants; 12, Oleants; 13, Scrophulariants; 14, Lamianths. No. 5, Order 15, Thymelants; 16, Euphorbianths; 17, Urticants; 18, Corylants. No. 7, Order 19, Pinants. No. 7; Class II, Monocotyledons; Order 20, Orchidants; 21, Iridants; 22, Amaryllidants. No. 8, Order 23, Liliants; 24, Juncants; 25, Alismants; 26, Arants; 27, Pistrants. No. 9, Order 28, Cyperants; 29, Festricants. Each 2ft 4in by 3ft 4in. 9 diagrams.
- 31 TABULAR View of the Vegetable Kingdom, arranged according to the Natural Orders, containing seventy-nine different engravings of Cryptogamous, Phaenogamous and Flowering Plants. Tabular View of the Orders and Families of Fishes, arranged according to classification, uniform with the Vegetable Kingdom. Tabular View of Characteristic British Fossils, stratigraphically arranged, several hundreds of engravings; also, Chart showing the different formations of the earth; each 3ft by 2ft. 3 diagrams.
- 32 PATTERSON'S Invertebrate and Vertebrate Animals, exhibiting a tabular view of their classification, with printed explanations; each 2ft 3in by 1ft 9in. 2 diagrams.
- 33 DIAGRAM containing over one hundred Animals, showing their comparative sizes; beautifully colored. 1 diagram.
- 34 WATERHOUSE Hawkins' Diagrams of the Extinct Animals, by Day & Son, lithographers to Her Majesty. This is a set rarely imported, and is invaluable to the Ethnologist and Geologist. It consists of the following:—No. 1 Vertebrate Animals, Marine Lizards, that lived through the secondary Epoch of the Earth's History. No. 2 Gigantic Lizards and Pterosauria or Winged Lizards that lived during the Secondary Epoch. No. 3 Gigantic Lizards that lived during the Secondary Epoch. No. 4 Pachydermata that lived during the Tertiary period of the Earth's History. No. 5 Edentata that lived during the newer Tertiary period. No. 6 Pachydermata and Carnivora that lived during the past Tertiary Epoch of the Earth's History; each 2ft 4in by 3ft 3in. 6 diagrams.
- 35 ANATOMICAL and Physiological Diagrams, prepared under the direction of John Marshall, F.R.C.S., for the Department of the Science and Art, lithographed by Day & Son, Her Majesty's Lithographers. This also is a rare and valuable set of diagrams, beautifully coloured, viz:—No. 1 The Skeleton and Ligaments. No. 2 The Muscles, Joints and Animal Mechanics. No. 3 The Viscera in Position, and the Structure of the Lungs. No. 4 The Heart

- and Blood Vessels. No. 5 The Lymphatics, or Absorbents. No. 6 The Digestive Organs. No. 7 The Brain and Nerves. No. 8 The Organs of the Senses. No. 9 The Texture—Microscopic Structure. Each 3ft 4in by 6ft 10in. Messrs. Day & Son desire attention to the following:—This diagram was printed at one operation, and is without a joint. Zinc Plate and Paper had to be expressly made for the purpose, and a Leviathan Press had to be designed, experimented upon, and perfected, to enable so large a sheet to be printed; otherwise such a diagram must have had at least six clumsy, offensive joints. This is a valuable set of Charts for Teachers of Anatomy and Physiology. *9 diagrams.*
- 36 RATIONAL Gymnastics, according to Ling's System, by M. Roth, M.D.; also, a Table of Gymnastic Exercises without Apparatus, for Strengthening the Body and Improving the Figure; 4ft 10in by 2ft 6in. *1 diagram.*
- 37 CHIEF Ingredients in Varieties of Food, a coloured diagram showing the Average Result of numerous Analyses, showing the Flesh formers, Heat-givers, the Carbon in each of them, and the mineral matter; 2ft 9in by 6ft. Coloured Diagram, giving examples of Dietaries in ounces per week, as used by soldiers, Public Institutions, Arctic Travellers, &c.; 2ft 2in by 2ft 9in. *2 diagrams.*
- 38 CHART containing fine coloured Diagrams of Varieties of the Human Species, classified in groups showing their customs, &c., 4ft 11in by 3ft. *1 chart.*
- 39 VIEW of Nature in all Climates, coloured, showing the Hot, Warm, Temperate, Cold and Frozen Regions, 5ft 5in by 1ft. *1 diagram.*
- 40 VIEW of Nature in Ascending Regions, a comparative View of the Chief Mountains, diversities of Climate, distribution of Organic Life, &c., mounted on cloth, folded in Atlas Form. *1 diagram.*
- 41 SERIES of Geognostic Profiles, illustrating the Relief of the Continents, each Profile coloured to show the Climate of the Region it illustrates, on four sheets, each 3ft in length, with descriptive atlas, fine. *1 atlas.*
- 42 COMPARATIVE Coloured View of the Heights of the Principal Mountains, &c., in the World. Comparative View of the Principal Rivers in the World. Each 2ft 6in by 2ft. *2 diagrams.*
- 43 ASTRONOMICAL Chart, with four coloured diagrams. 1 Annual Movement of the Earth round the Sun. 2 The Seasons. 3 The Solar System. 4 Movements and Phases of the Moon. Size, 3ft 9in by 4ft 6in. *1 chart.*
- 44 TWELVE Astronomical Figures, beautifully coloured and highly finished, in folio Atlas form, viz:—The Earth's Form, Solar System, Seasons, Moon's Phases, Eclipses and Tides, Moon, Principal Stars, Comets, Nebulae, &c. *1 atlas.*
- 45 MATTISON'S Astronomical Diagrams, designed to illustrate the Mechanism of the Heavens, for Public Lectures, Academies, Schools, &c., colored on black ground. No. 1 Ptolemaic Theory of the Structure of the Universe. 2 Copernican Theory of the Solar System. 3 Angular Measurement—Light and Heat of the Planets. 4 Relative Magnitude of the Sun and Planets. 5 The Ecliptic, Zodiac, Signs, Modes, Transits, &c. 6 Zodiac, Equinoxes, Solstices, Longitude, Ascending Nodes, &c. 7 Earth's Orbit, Sun's Declination, Seasons, &c. 8 Inclination of Poles to Orbits, and Seasons of the Planets. 9 Conjunctions, Transits, Phases of Venus, &c. 10 Telescopic View of the Primary Planets. 11 Saturn in his Orbit, Phases, Telescopic Views, &c. 12 Phases and Telescopic Views of the Moon. 13 Solar and Lunar Eclipses. 14 The Philosophy of Tides. 15 Views of Remarkable Comets. 16 Clusters of Stars, Binary Systems, and Nebulae. 3ft 1in by 3ft 5in. *16 diagrams.*

Maps, Diagrams, &c., suitable for Sabbath Schools, Bible Classes, &c.

- 46 MEMPRISS' Chart of our Lord's Life and Ministry, with Initiatory Lessons—Narrative, Practical and Geographical, with Historical Table and Book to accompany it. 4ft 6in by 6ft 1in, each book and chart.
- 47 ARROWSMITH'S Land of Promise after its Conquest by the Israelites. Plan of Jerusalem, or the City of the Lord. Palestine, or the Holy Land in the Time of the New Testament. Each 2ft 2in by 3ft, coloured. *3 maps.*
- 48 BEAUTIFUL Coloured Chart, showing the Manners and Customs of the Jews, containing twenty-one plates, such as Putting Off Shoes, Paying Homage,

- Mourning, War Chant, Ploughing, Threshing, &c., with descriptions to each Plate; 5ft 3in by 7ft. 1 *chart*.
- 49 **SCRIPTURE** Historical Chart, coloured, twenty-one pictures: Adam and Eve, Cain Slaying Abel, Noah leaving the Ark, and various other Scenes in the Times of the Old and New Testament; 5ft 3in by 7ft. 1 *chart*.
- 50 **MAN** without Revelation, Man under the Law and Man under the Gospel, a series of engravings arranged in parallel columns, showing Scenes on the Scriptures, Historical Events, &c., from the Time of Adam and Eve to Queen Victoria, also a column up to the year A.D. 2000, an exceedingly interesting Historical Chart; 5ft 3in by 3ft 9. 1 *chart*.
- 51 **MISSIONARY** Map of the Hawaiian and Sandwich Islands, from the best authorities; 4ft 4in by 5ft 6in. Missionary Map of India, embracing Hindustan, Burmah, Siam, and adjacent Provinces; 6ft by 7ft. Missionary Map of Western Asia and adjacent countries; 6ft by 7ft. All coloured and on a large scale, suitable for Lecture Rooms, &c. 3 *maps*.
- 52 **MAP** of Italia Antiqua cum Insulis, coloured, with a Plan of the City of Rome, on a large scale, names plain and distinct; 4ft 6in by 5ft 4in. 1 *map*.
- 53 **MAP** of Asia Minor Antiqua cum insulis adjacentibus, coloured and similar in style to No. 48; 4ft by 2ft 6in. 1 *map*.
- 54 **SET** of Coloured Charts, viz:—Land of Canaan prior to its Conquest by the Israelites, Land of Promise after the Conquest, Plan of the City of Jerusalem, Palestine, or the Holy Land in the Time of the New Testament; all coloured, size 2ft 4in by 2ft 9in. 4 *charts*.
- 55 **PANORAMIC** View of the Holy Land, also a View of Lower Egypt, Arabia Petrea, Edom and Palestine, including the Head of the Red Sea, shewing the route of the Israelites, likewise the modern route from Alexandria to Suez, finely engraved; 2ft 6in by 2ft 6in. 1 *chart*.
- 56 **THE** Ten Commandments, printed in red, on a large scale, with engravings of Aaron, Moses and Joshua, beautifully coloured in Walnut Frame; 3ft by 4ft. 1 *picture*.

French Maps, Diagrams, &c., (Lettered in French.)

- 57 **TABLEAU** Iconographe—Synoptique de Cosmographie de Geographie Physique et D'Histoire Naturelle, par Gillet. This is a finely executed engraving, showing the Solar System, &c.; Natural History, Mammalia, Birds, Reptiles, Fishes, Insects, &c., also a diagram showing Physical Phenomena, and an engraving explanatory of Geography; 2ft 4in by 3ft 6in. 1 *chart*.
- 58 **TABLEAU** Orthographique et Hydrographique du Globe donnant le Rapport, comparé des principaux hauteurs des Montagnes longueur des Fleuves et des Cataracts. This is one of Allemand's finely executed Charts; it also contains Section Maps of Europe, Asia, Africa, North and South America; 2ft 3in by 2ft 10in. 1 *chart*.
- 59 **FRANCE**, Belgique et Suisse dressés, par P. Bineteau; Paris, Chez & Hachette, finely executed and coloured; 5ft 7in by 7ft. 1 *map*.
- 60 **HERBIER** de l'amateur Pharmacien Herboriste, contenant la description et l'usage des plantes médicinales usuelles et des plantes vénéneuses avec l'indication des remèdes en cas d'empoisonnement. Tableau Pittoresque des Merveilles de la Nature, par Perrot, Ingénieur Géographe. Tableau du Monde Antédiluvien rédigé d'après Cuvier, Buckland, de Humboldt, &c., par Perrot dessiné d'après les Végétaux et les Fossiles existants dans les divers Cabinets de l'Europe; each 1ft 8in by 2ft 2in, beautifully coloured and finely executed. 3 *diagrams*.
- 61 **TABLEAU** de Météorologie représentant les divers Phénomènes de L'Athmosphère, tels que le Tonnerre, l'Aurora, Boréale, Aréolythes, l'Arc-en-ciel, les Trombes, le Feu St. Elme, les Etoiles filantes et Aréolythes, le Halo, les Parhélies, le Mirage, les Marées, &c., &c., par M. Perrot. Tableau de Cosmographie et des divers Systemes de la Sphère dressé, par Quetin, coloured; each 1ft 9in by 2ft 2in. 2 *diagrams*.
- 62 **TABLEAU** des Principaux Grand Hommes, qui sont illustrés dans toutes les parties du Monde, par leurs belles actions, leur génie, ou leur courage. Tableau comparatif des races et des costumes des principaux, peuples des cinq parties

- du Monde—Europe, Asie, Océanie, Afrique, et Amérique, par Perrot. Tableau des Femmes des cinq Parties du Monde, présentant les Caractères physiques qui les distinguent et leurs costumes Nationaux; each 1ft 9in by 2ft 2in, beautifully colored. 3 *diagrams*.
- 63 TABLEAU des Habitations des Personnages Célèbres, par Perrot. Tableau Comparatif de la Hauteur des Principaux Monuments de toutes les parties du Monde, présentant leur Configuration, les détails exacts de leur élévation et la date de leur construction, par Perrot: size, each 1ft 8in by 2ft 2in, beautifully colored. 2 *diagrams*.
- 64 TABLEAU Statistique Géographique et Héraldique de tous les états D'Allemagne compris dans la Confédération Germanique par T. F. A. Kraeizer Rassaerts; 4ft 6in by 3ft 6in. 1 *chart*.
- 65 CHARTE de France, by Johnston of Edinburgh, beautifully colored, with explanation of the different colors, how to distinguish Provinces, Departments, Capitals, Railways, Canals, &c.; 4ft by 3ft 4in. 1 *map*.
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Maps and Charts Suitable for Mechanics' Institutes, Commercial Men, Offices, Schools, &c.

- 66 SCHOOL Room Maps of Europe, Asia, Africa, N. America, and S. America, by the Scottish School Book Association; published by Wm. Whyte & Co., Edinburgh. This is a very fine set of maps of the Continents, the coloring making the boundaries of Countries very distinct. Each 2ft 6in by 3ft. 5 *maps*.
- 67 MAP of the World Globular, Eastern and Western Hemispheres, mounted together, colored, 1ft 8in by 3ft. Map of Asia, by Smith & Son, London, very finely executed and beautifully colored; very full map, 2ft 8in by 2ft 8in. Map of Italy and Switzerland, beautifully executed with water-colored blue; 1ft 10in by 2ft 6in. 3 *maps*.
- 68 MAP of the World, published by the Christian Knowledge Society, globular projection showing the Eastern and Western Hemisphere, colored; 3ft 4in by 6ft 4in. 1 *map*.
- 69 MAP of Europe, uniform with 63, 5ft 4in by 4ft 3in. 1 *map*.
- 70 MAP of Asia, uniform with 63 and 64, same size. 1 *map*.
- 71 MAP of Australia, uniform with 62, 64, and 65, same size. 1 *map*.
- 72 ENGLAND and Wales, same series as the preceding four maps, 5ft 9in by 6ft 1 *map*.
- 73 OUTLINE Map of the World, published by the Christian Knowledge Society; 3ft 3in by 6ft 3in.
- 74 MAP of Southern Europe, exhibiting the special Geography of France, Spain, Portugal, Switzerland, Italy, Belgium, Holland, Prussia, Austria, Germany, Turkey and Greece, thus serving the purpose of ten different maps; colored, 4ft 6in by 5ft 2in. 1 *map*.
- 75 JOHNSTON'S Chart of the World, on Mercator's projection. This is more useful to Navigators and others than the Globular World. Directions for ascertaining distances of places, &c., are engraved on it. 3ft 6in by 4ft. 1 *chart*.
- 76 WHYTE'S Maps of North and South America, colored and well defined; each 2ft 6in by 3ft. 2 *maps*.
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Maps of Canada and other Provinces.

- 77 SANDFORD'S Map of Canada, New Brunswick, Nova Scotia, Prince Edward and Breton Island, extending from the Gulf of St. Lawrence to Lake Superior, and including the adjacent parts of the U. States. The Free Grants and Blocks of Land offered for sale by the Government are indicated by a separate colour. This is a finely executed and valuable map. 2ft 9in by 4ft 10in. 1 *map*.
- 78 MACLEAR'S Map of Upper Canada, compiled from recent authorities and surveys, showing distances by Railways, &c., colored, 3ft 3in by 4ft 9in. 1 *map*.
- 79 MAP of the North West part of Canada, Indian Territories and Hudson's Bay,

- compiled under direction of the Crown Lands Department, colored, and showing Geological Formation, &c. ; 4ft 6in by 5ft. 1 *map*.
- 80 SMITH'S Map of British North America, including map of New Brunswick and Nova Scotia, colored, 2ft by 2ft 9in. 1 *map*.
- 81 MAP of the Province of Canada, from Lake Superior to the Gulf of St. Lawrence, compiled under the direction of Sir Wm. Logan; 2ft by 3ft. Railway Ride through Canada; 2ft by 2ft 10in. 2 *maps*.
- 82 GEOGRAPHICAL Position of Canada and adjacent Countries, with relative situations of Places, &c. ; 1ft 10in by 2ft 6in. Smith's Map of Upper Canada, colored in counties; 1ft 6in by 2ft. 2 *maps*.

Miscellaneous Maps, Charts, Diagrams.

- 83 MAP of the World: Orthographic Projection of the Globe on the Plane of a given Horizon, or perspective view of the earth. This is a valuable chart for Merchants, Mariners, &c., as it exhibits in their true and natural positions, the Continental Divisions, Geographical Features, Seas, Rivers, Chief Cities, Towns, &c., from China to the Andes, and from Cape Horn to the Aleutian Islands, engraved by Day & Son, Lithographers to Her Majesty, with Key; 3ft in diameter. 1 *map*.
- 84 THE World of the Antipodes, in the Reverse View of the Earth, embracing the opposite Hemisphere, and having the same boundary for the Horizon as the preceding map; same style as No. 78. 1 *map*.
- 85 PHILLIPS' Maps: England and Wales, with Distances from London and the principal Sea Ports, &c., Ireland, with distances from Dublin. Sea Ports, &c., Scotland, with distances from Edinburgh and Port to Port, &c. ; colored, each 2ft 3in by 3ft 9in. 3 *maps*.
- 86 RAISED Map of Italy, showing the elevation of Mountains and other Physical Features in Relief, also its Political Divisions, beautifully colored, mounted in frame; 3ft 3in by 4ft 1in. 1 *map*.
- 87 RAISED Map of Ancient Italy, being a companion map to the preceding; 3ft, 3in by 4ft 1in. 1 *map*.
- 88 RAISED Map of Graecia Antiqua, Macedonia Thraciae Decia, Pannonia Illyrica &c., showing the Physical Features and Political Divisions, similar to Nos. 86 and 87; size 3ft by 4ft. 1 *map*.
- 89 JOHNSTON'S Large Maps in Case, for hanging on the Wall, so constructed that any map can be drawn down as required, and pulled up again by the cords at the side, containing nine maps, as follows:—Italy, Italia Antiqua, America, Asia Minor Antiqua, Orbis Romanus, Palestine, Central Europe, France, Spain and Portugal. 1 *case*.
- 90 CHART showing the formation of the Union Jack of Great Britain; colored, 2ft 3in by 2ft 10in. 1 *chart*.
- 91 Chronological and Genealogical Chart of the Sovereigns of Great Britain, commencing with Alfred the Great and Constantine II; colored, 2ft by 3ft 6in. 1 *chart*.

Surveyors' Instruments, Microscopes, Electrical Apparatus, Barometers, Globes, Philosophical Toys, Games, &c.

- 92 PAIR of 6in Globes, Terrestrial and Celestial, mounted with graduated brass meridian with quadrant suitable for working geographical problems. 2 *globes*.
- 93 EIGHTEEN Inch Terrestrial Globe, with the latest Geographical Discoveries, with quadrant, by W. & A. K. Johnston, Geographers and engravers to the Queen. This is a splendid globe for lecture rooms, &c.
- 94 COMPOUND Microscope, of English Manufacture, with magnifying powers of various magnitudes, some as high as 40,000 superficies, with bulls eye condensor, mirror, &c., in handsome mahogany case.

12 DESCRIPTIVE CATALOGUE OF SURVEYORS' INSTRUMENTS, ETC.

- 95 TWELVE Test Tubes in mahogany stand, and set of six Test Tubes in Pocket Case. 2 sets.
- 96 NEGRETTI & Zambra's Standard Barometer, with boiled tube and Iron reservoir, (not liable to break) reading by vernier to $\frac{1}{1000}$ of an inch, with external Thermometer with engraved scale, the vernier working by rack and pinion, mounted in mahogany frame, with corrections for capillarity, &c., from Kew Observatory. This is a fine instrument for public institutions.
- 97 SET of Electrical Apparatus, consisting of a very handsome Cylindrical Electrical Machine, with brass mountings, standing 3ft high by 3ft long; also Leyden Jar, Diamond Jar, Thunder House and Discharger, and Head of Hair. This is a very valuable Collection for Colleges, Mechanics' Institutes, &c., manufactured by Watkins & Hill, Charing Cross, London.
- 98 THE Sovereigns of England, mounted on uniform size blocks, colored engravings one side and engravings on the other, in a handsome box.
- 99 GALVANIC Battery and Apparatus for Electrotyping.
- 100 LA FONTAINE'S Fables in Play, a Popular Game for the Drawing Room; the figures beautifully colored, are mounted on cardboard and cut out, with wooden stands to steady them on the table, with key.
- 101 HORIZONTAL Miniature Working Model of the Steam Engine, made of brass, highly finished with Spirit Lamp. This is a beautiful example of the power of Steam; as well, it can be used for Distributing Perfumes, Deodorizing Rooms, &c.
- 102 ANATOMICAL Figure, about two feet high, with the muscles, &c., beautifully developed, manufactured in Paris. This is a rare chance for Teachers of Anatomy, Teachers of Drawing from the Human Figure, &c.
- 103 ABACUS, a Numerical Frame, for teaching Arithmetic to Juniors.
- 104 PORTABLE Composition Blackboard of large size, that can be rolled up.
- 105 WHEEL Barometer, mounted in Rosewood, with Thermometer, Hygrometer, Spirit Level, &c., attached.
- 106 ORRERY, or Planetarium, of English Manufacture, with movements showing the revolution of the Planets, &c., standing near three feet high on handsome mahogany stand.
- 107 TERRESTRIAL Globe, eighteen inches in diameter, by Johnston, containing the latest Geographical Discoveries, beautifully colored, with quadrant. This is a very handsome and useful ornament, either for the private dwelling or the school room.
- 108 GROUND Glass Circular Mirror, showing nine different reflections of the same object.
- 109 RIP VAN WINKLE or the Sleep of Twenty Years, in the form of the Adelphi Theatre, with Six Scenes, and all the necessary Drapery, &c., usually appertaining to a theatre, with printed explanation, in box and portfolio. A nice parlor amusement, and a good illustration of what a theatre is for the young.
- 110 AIR Pump with Brass Cylinder, mounted in walnut stand, with Bell Glass, a very useful size for experiments in Pneumatics.
- 111 THE Realm of the Queen of Flowers, an entertainment for young ladies, consisting of beautiful Flowers, Vases, &c., on cardboard, with instructions in English, French and German, forming bouquets and garlands. This is quite a new feature in parlor amusements, and well calculated to develop a taste for the beautiful.
- 112 CRYSTAL Palace at Sydenham, a beautiful Optical Toy, with nine different Views.
- 113 FLORAL Color Box, containing Exercises in the Art of Drawing and Coloring Flowers; Paints, Brushes, &c.
- 114 CABINET of Shells, illustrating the Elements of Conchology.
- 115 LITTLE Geographer, a Box containing Drawing Materials, &c., with five colored and five Outline Maps.
- 116 LITTLE Geographer, similar to the above, smaller size.
- 117 BETTS Patent portable Globe, consisting of a frame work of steel wire covered with cloth, on which is printed a map of the world fifteen inches in diameter, with metal stand. This is admirably adapted for Public Lectures, as it can be taken any distance without injury.
- 118 IMPROVED Medical Galvanic Electric Machine, with connecting screws to make it of five different intensities, with Battery, Handles, &c., in neat mahogany

- box. This is a useful instrument in families, as well as to medical men, being used for liver and nervous complaints. Tie Dolereux, Paralysis, &c.
- 114 (a) QUADRANT for Astronomical or Nautical Purposes, mounted in brass and ebony, in good condition; manufactured by Norie, London, in neat box.
- 115 (b) COLLECTION of Canadian Bird Skins, well preserved and ready for mounting. A good opportunity for persons sending native products to the Old Country, as they are all ready for packing.
- 116 (c) BOX of Second-hand Drawing Instruments, suitable for surveyors and others, with proportional compass, &c., nearly as good as new.
- 117 (d) TWADDLE'S Hydrometer, in Tin Case.
- 118 (e) GONIOMETER for Measuring Angles, handsome large Instrument on tripod, in good condition. A good opportunity for surveyors, also useful to teachers and others in the illustration of geometry.
- 119 SUPERIOR Wheel Barometer, with very handsome Rosewood Frame, Dial Plate eleven inches in diameter, with Thermometer, Hygrometer, &c. This is a superb Instrument, being highly furnished with every modern improvement.
- 120 THERMOMETER mounted on stand that can be moved in any direction with Fahrenheit and Reaumur scales. This is a good companion Instrument for the preceding.
- 121 SUPERIOR Compound Microscope, on Firm Tripod stand, with $\frac{1}{6}$, $\frac{1}{4}$ and $1\frac{1}{4}$ Object Glasses, two Eye Pieces, Condensing Lens, Mirror, &c., also fine and coarse adjustment, in handsome Mahogany Box. This is an excellent Instrument for Medical Men.
- 122 MINERALOGICAL and Geological collection; consisting of forty beautiful specimens, in handsome Mahogany Cabinet, with book.
- 123 MINERALS and their Uses; a collection of twenty specimens, in handsome Mahogany Case with Glass Top, with book.
- 124 THE London Monument, a Drawing Room Amusement, consisting of Figures, Houses, Public Buildings, &c., cut out of cardboard, intended to stand on the Table.
- 125 THE Caravan to Mecca, and the Halt in the Desert, similar to the preceding. These Toys excited a great deal of attention at the Great Exhibition, and are considered to be very useful in teaching the young.
- 126 THE Tea Plantation, showing the whole process in the preparation of Tea, from the gathering of the leaves to its export, similar in style to 124 and 125.
- 127 HEBREW Alphabet Recreations, a very interesting game and key to teach the Language and Pronunciation, in neat Mahogany Box.
- 128 CHEMICAL Laboratory; a Cabinet containing a large number of Chemicals for Testing and Experiments, also Apparatus to accompany it. Very useful for Medical Students, &c.
- 129 STATHAM'S Youth's Chemical Cabinet, with Chemicals and Apparatus for Experiments.
- 130 LARGE Chemical Laboratory, containing Chemicals, Apparatus, &c., on a larger scale than the preceding. Suitable for Lecturers, Teachers, &c.
- 131 CHEMICAL Apparatus, consisting of Retort and Funnel Holders, Universal Clamp, Movable Lamp Stand, &c. 6 pieces.
- 132 PAIR of 6 inch Globes, Terrestrial and Celestial, with brass Meridian, Quadrant, &c. 2 globes.
- 133 MERRIAM & MOORE'S Globes. Pair of 10 inch Parlour Globes. The Terrestrial contains the late Political Boundaries and Geographical Divisions. The Celestial has the new constellations, both mounted in Handsome Mahogany high frames. These are also well adapted for the Class Room.
- 134 HOLBROOK'S Improved Planetarium or Orrery, with the latest improvements, showing the movement of the Planets, mounted on high brass stand, with movable tripod feet. A valuable instrument for teaching Astronomy.
- 135 HOLBROOK'S improved brass geared Tellurian, showing the movements of the Earth and Moon, with extra piece for Eclipses, mounted similar to the preceding.
- 136 THE Zones of the Earth. Ten beautiful colored plates, showing the production of the different Zones in Portfolio, with ten books of description. This is a valuable collection for the Naturalist, showing the habitations of Mammalia Birds, Reptiles, Fishes, &c.; well adapted for Public Libraries, Scholastic Institutions, &c.

14 DESCRIPTIVE CASALOGUE OF SURVEYORS' INSTRUMENTS, ETC.

- 137 ILLUMINATING Color Box, containing a Portfolio of Outlines for Illuminated Writing, Colors, &c., in a very handsome Mahogany Box, with explanations of the art of Illumination.
- 138 MINERALOGICAL and Geological Cabinet, containing sixty Minerals and Geological Rocks, in handsome Mahogany Cabinet, with Key to the use of Minerals.
- 139 COMPOUND Microscope in Mahogany Box, with triplet objective that can be used for three separate powers, mounted on strong tripod stand, with Reflector, &c. A good serviceable instrument for Professional Men.
- 140 A Smaller Microscope, on Tripod stand, in Mahogany Case suitable for the Botanist.
- 141 DISSECTED Map of Europe, a beautiful colored map, cut into various shapes, to be put together by children as a puzzle. This is an excellent method of Teaching Geography.
- 142 DISSECTED Map of England and Wales, and Dissected Map of Ireland, similar to the preceding. 2 puzzles.
- 143 THE Juvenile Drawing Box and Drawing Materials, for the use of Juvenile Artists. 2 boxes.
- 144 GALVANIC Battery and Apparatus, for Electro-typing.
- 145 CABINET of Twenty Fossils, with Glass top, and Book on the Origin of Fossils, &c.
- 146 SOWERBY'S Geology, Mineralogy, and Conchology, three collections of specimens in cases, bound as 8vo. Books, very interesting and useful.
- 147 THE Stroboscope or Magic Disc, by which the figures appear to be in absolute motion, and present a most remarkable appearance, with directions for use.
- 148 PLATE Electrical Machine, with Leyden Jar, a beautiful little English model, being of a serviceable size for medical purposes, experiments, in the drawing room, &c.
- 149 SET of Pneumatic Apparatus, consisting of Air Pump, Bell Glasses, Guinea and Feather, Hydrostatic and Mercury Tunnel Apparatus, &c., packed in a neat box, splendid set for Public Lectures.
- 150 MAGNETIC Electrical Machine, very finely and expensively finished, intended for Public Institutions, &c. This would be a splendid Instrument for Medical Men.
- 151 WHEEL Barometer, in Rosewood frame, with Thermometer, Hygrometer, Spirit Level, &c.
- 152 PAIR of Ten inch Globes, by Merriam and Moore, the Terrestrial containing the latest Geographical Discoveries, and the Celestial the new constellations, with quadrant. 2 Globes.
- 153 HANDSOME French Barometer, with two Thermometers Centigrade, Fahrenheit and Reamurs, with silver plated engraved scales, Vernier, plate, &c., names in French. This Barometer has the tube much larger than the ordinary size, and very fine glass cistern.
- 154 MAGIC Lantern with Lens for three inch pictures, with Argand Lamp, Reflector, &c., capable of showing a bright picture from twelve to twenty feet in diameter.
- 155 MAGIC Lantern, size larger than the preceding, by Pike of New York, with coal oil lamp.
- 156* BOX of twelve humorous and amusing sliders, suitable for either of the above.
- 157* BOX of Astronomical Sliders with book, suitable for 156 or 157.
- 158 PORTABLE Composition Blackboard that can be rolled up; very convenient for Public Lecturers.

Miscellaneous Maps, Charts, &c., suitable for Commercial Men, Mechanics' Institutes, Schools, &c.

- 159 MAP of the North West part of Canada, Indian Territories, and Hudson's Bay, colored to show the Geological formation; 4ft 6in by 5ft. 1 map.
- 160 JOHNSTON'S Philosophical Charts, consisting of Properties of Bodies, Hydrostatics, Hydraulics, and Human Anatomy and Physiology, with keys; 3ft 6in by 4ft.

*The necessary apparatus for exhibiting the Oxycalcium Light to fit either of these Lanterns, also, some additional sliders to be sold by private sale.

- 161 BUMSTEAD'S Tables, on a large scale, consisting of Reading Tables, Table for Training the Organs of Speech in Articulation, Punctuation Table, and Numeral Table. 4 *diagrams*.
- 162 CHRONOLOGICAL Charts of Scriptural History and Ancient and Modern History; about 5ft square. 3 *charts*.
- 163 SCRIPTURE Sites; 24 pictures of places mentioned in Scripture, mounted, size 4ft 5in by 5ft 3in. 1 *chart*.
- 164 NATURAL Phenomena; Prints illustrating the Phenomena of Nature, including Waterspouts, Aurora Borealis, &c.; 5ft 6in by 5ft.
- 165 MAP of Orbis Veteribus Notus; or, the Ancient World. 4 ft. 9 by 5 ft.
- 166 SMITH'S Geological Map of the British Isles, a beautiful colored and highly finished Map.
- 167 MAP of Scotland on a large scale, prepared for the Irish National Schools. 4 ft. by 5 ft.
- 168 MAP of Ireland, by Johnston of Edinburgh, beautifully engraved Map.
- 169 NORMAL Charts of the Elementary sounds of the English Language. 3 ft. 6 by 4 ft. 6.
- 170 PESTALOZZI'S System of Teaching Numbers, Simple and Compound Fractions, Square Measure, Simple Unity, &c. 5 charts.
- 171 DIAGRAMS of the Printing and Paper Making Machines, showing the progress of making paper and printing on it. 2 Diagrams.
- 172 LOCOMOTIVE Engine, and Fire Engine, beautifully coloured diagrams, mounted on cloth, rollers, and varnished. 2 Diagrams.
- 173 DIAGRAM of the Barometer, with description. Plan of the City of Jerusalem. 2 *charts*.
- 174 CHART of the Sub-marine Telegraph, Eastern and Western Hemisphere, mounted together. 2 *maps*.
- 175 DIAGRAM showing the Primary, Secondary, and Tertiary Hues. Scripture Alphabet on a large scale, both useful for Painters, &c. 2 *diagrams*.
- 176 MAP of the Arctic Seas, showing the Explorations in search of Franklin. Battle Fields, a Guide to places mentioned in English History, also showing the Naval Engagements near the Coast. 2 *maps*.
- 177 MAP of Italy and Switzerland. Chart of the River Thames. Standard Flags. 3 *charts*.
- 178 MAP of the Christian Empire. Jerusalem or the City of the Lord. 2 *maps*.