

Caveats.

Persons desiring to file a Caveat can have the papers prepared in the shortest time by sending a sketch and description of the invention.

How to Make an Application for a Patent.

Every applicant for a Patent must furnish a model of his invention, if susceptible of one; or if the invention is a chemical production, he must furnish samples of the ingredients of which his composition is composed, for the Patent Office.

Rejected Applications.

We are prepared to undertake the investigation and prosecution of rejected cases, on reasonable terms. The close proximity of our Washington Agency to the Patent Office affords us rare opportunities for the examination and comparison of references, models, drawings, documents, &c.

Foreign Patents.

We are very extensively engaged in the preparation and securing of Patents in the various European countries. For the transaction of this business, we have offices at Nos. 66 Chancery-lane, London; 29 Boulevard St. Martin, Paris; and 26 Rue des Eperonniers, Brussels.

Interferences.

We offer our services to examine witnesses in cases of interference, to prepare arguments, and appear before the Commissioner of Patents or in the United States Court, as counsel in conducting interferences or appeals.

The Validity of Patents.

Persons who are about purchasing Patent property, or Patentees who are about erecting extensive works for manufacturing under their Patents, should have their claims examined carefully by competent attorneys, to see if they are not likely to infringe some existing Patent, before making large investments.

Extension of Patents.

Valuable Patents are annually expiring which might be extended and bring fortunes to the households of many a poor inventor or his family. We have had much experience in procuring the extension of Patents; and, as an evidence of our success in this department, we would state that, in all our immense practice, we have lost but two cases, and these were unsuccessful from causes entirely beyond our control.

Assignments of Patents.

The assignment of Patents, and agreements between Patentees and manufacturers, carefully prepared and placed upon the records at the Patent Office. Address MUNN & CO., at the Scientific American Patent Agency, No. 37 Park-row, New York.

FOR SALE—A DOUBLE CYLINDER STEAM ENGINE (20-horse power), with fire boiler, steam drum, &c. complete, in good order. Cost \$1,400; will be sold for \$800. Inquire of WILLIAM GRAY, opposite the railroad station, Trenton, Westchester county, N. Y.

MEND YOUR OWN TINWARE.—AS EVERY ONE can do (even the ladies themselves) when furnished with Root's Improved Portable Soldering Implements. Also suitable for mending brass and copper kettles and broken metals of any kind, with a neatness and dispatch that any tinsmith might envy.

THE GRAEFENBERG THEORY AND PRACTICE OF Medicine.—On the first day of May, 1860, the Graefenberg Company's Salesrooms, Consulting Offices and Medical Institute were removed from No. 34 Park-row to

NO. 2 BOND-STREET, NEW YORK. (first door from Broadway), in order to afford greater facilities and a more central location, demanded by the rapid increase of confidence in the Graefenberg Theory and Practice.

This valuable family medical work, containing 300 pages, has been revised and improved, and elegantly illustrated with beautifully colored engravings of the human system. Sent by mail to any part of the country on receipt of 25 cents. It is a complete guide to all diseases and their cure. Address JOSHUA F. BRIDGE, M. D., Resident and Consulting Physician Graefenberg Co., No. 2 Bond-street, New York.

One of the leading journals says of the "Graefenberg Manual of Health":—"This is the only medical book for family and general use ever published. It is written in plain language, free from scientific terms, and condenses more practical medical information than can be obtained anywhere else, unless a regular course of medical education is undergone. The popularity of this admirable and unobscured work is well shown by this being the twenty-fourth edition. It contains a number of colored anatomical plates, and is a complete family physician. It is at once simple, popular, plain and explicit; and the mother, with such an adviser, is prepared at once to apply the proper remedies in case of sudden sickness in the family. In the country, a copy of the 'Manual of Health' is indispensable, and every family should possess one. It will save a hundred times its cost in doctors' bills, and what is far better, will be the means of preserving many valuable lives to their families and relatives."

PORTER'S IMPROVED GOVERNOR.

The reputation of these governors is well established. Parties troubled with unsteady power may send for them in entire confidence. They never fail. The numerous valves in use are all equally good, if well made; the form of the opening is immaterial. The governors are warranted to work perfectly with any and all valves, which move freely and close tolerably tight.

They are expressly adapted to waterwheels, to which they will give a perfectly uniform motion, under any variation of resistance. I have long done with troubling my customers for certificates; but am able to refer to a large number of parties now using this governor in a majority of the States of the Union.

I will send a governor to any responsible party for trial. If it does not operate perfectly it may be returned. A liberal discount to the trade, whose orders will always be promptly filled.

CHARLES T. PORTER, No. 235 West Thirtieth-street, corner of Ninth-avenue, New York City.

SEMI-STEEL.

SEMI-STEEL LOCOMOTIVE TIRES, FIRE-BOX AND Tube Sheets, and Boiler Plates. Warranted fifty per cent stronger and more durable than the best Low Moor qualities of iron.

TIRES—Rolled, blocked and welded to fit any given diameter of cent. PLATES—Rolled and cut to any pattern and size ordered. Rolled and Hammered Bars, Axes and Forgings of same metal. Any further information desired will be furnished, and all orders promptly executed, upon application. Manufactured by CORNING, WINSLOW & CO., Albany Iron Works, Troy, N. Y.

WARREN'S TURBINE WATERWHEEL (WARREN & Damon's patent)—Cotton and woolen manufacturers, millwrights and millowners, and every mechanic who would economize in water power, should investigate this wheel. Recent improvements are included and clearly illustrated in a late pamphlet of 51 pages. Applicants send two stamps. Special attention paid to Southern trade. They are arranged compact and portable, requiring no mechanical skill to set and operate them. Every wheel warranted. Address ALONZO WARREN, Agent, American Water-wheel Company, No. 31 Exchange-street, Boston, Mass.

NAYLOR & CO'S CAST STEEL BELLS.

THE CHEAPEST AND STRONGEST FIRST-CLASS Bells in the world. Circulars, with testimonials of their superior tone and far-reaching power, furnished on application to NAYLOR & CO., No. 99 John-street, New York; and No. 30 State-street, Boston.

THE GREAT WONDER OF THE AGE.—SEAMLESS HOSIERY.—Manufacturers of hosiery are requested to examine the new machine for the manufacture of perfect hosiery with calf, heel, foot and toe at one and the same operation. This invention having been fully completed and in practical operation, the proprietors of the patents are now prepared to grant licenses to a limited number of manufacturers to manufacture under their patents. The licenses will be issued upon such terms as to insure great economy of time and money, besides giving an article far superior to any other in the market. Address, for information, the President of the McNary Knitting Machine Company, No. 25 William-street, New York.

40 SECOND HAND SAFES.

Of different makers, for sale cheap. Taken in exchange for Lillie's chilled and wrought iron safes. Send for circulars of scales and safes. JOHN HOWE, Jr., Market-warden, Vt. FRANK E. HOWE, No. 218 Broadway, first block below the Astor House, New York.

HOWE'S STANDARD SCALES.

Work on balls. Warranted to give entire satisfaction, or taken back without charge.

\$3 A DAY.—FEMALE AGENTS WANTED AT HOME or to travel on salary or commission. For particulars inclose red stamp to HANKINS & CO., New York.

PORTABLE STEAM ENGINES—6, 8 AND 10-HORSE, at \$500, \$625 and \$750. For sale by S. C. HILLS, No. 12 Platt-street, New York.

BOILER PLATE PUNCHES.—RUST'S PATENT, manufactured and sold by the proprietor of the patent, S. C. HILLS, No. 12 Platt-street, New York. Price \$15. 1 em.

LABORATORY OF CHEMISTRY.—ADVICES ON CHEMISTRY applied to arts and manufactures, agriculture, metallurgy; plans of factories; drawings of apparatuses; consultations on chemical fabrications; analyses of every kind; commercial essays in general. Address Professor H. DUSSACQUE, Chemist, New Lebanon, N. Y.

LANTERNS ARRANGED FOR THE NEW OXYGEN Lenses and pictures for the stereopticon, and photographs; the finest magic lantern pictures ever produced. Catalogues sent by mail free. C. T. ANSLER, Optician, No. 635 Chestnut-street, Philadelphia, Pa.

SULPHATE OF AMMONIA, SUITABLE FOR AGRICULTURAL and chemical purposes, for sale by DODGE, COLVILLE & OLGOTT, No. 188 Pearl-street, New York.

BRYANT'S COPYING INSTRUMENTS FOR ENLARGING or reducing pictures from two to nine times with positive accuracy, including Photographs, Ambrotypes, and Drawings from Nature. Price \$1, and 24 cents extra for postage. Address E. K. BRYANT, Ballardvale, Mass.

A MESSEURS LES INVENTEURS.—AVIS IMPORTANT. Les Inventeurs non familiers avec la langue Anglaise et qui presentent notes communiqant leurs inventions en Francais, peuvent adresser dans leur langue natale. Envoyez nous un dessin et une description concise pour notre examen. Toutes communications seront reponses en confidence. MUNN & CO., SCIENTIFIC AMERICAN Office, No. 37 Park-row, New York.

MACHINE BELTING, STEAM PACKING, ENGINE HOSE.—The superiority of these articles, manufactured of vulcanized rubber, is established. Every belt will be warranted superior to leather, at one-third less price. The Steam Packing is made in every variety, and warranted to stand 300 degs. of heat. The Hose never needs oiling, and is warranted to stand any required pressure; together with all varieties of rubber adapted to mechanical purposes. Directions, prices, &c., can be obtained by mail or otherwise at our warehouse. NEW YORK BELTING AND PACKING COMPANY. JOHN H. CHEEVER, Treasurer, Nos. 37 and 39 Park-row, New York.

SCIENTIFIC REPORTING.—PATENT SUITS, INVOLVING questions of science or mechanics, reported verbatim: scientific lectures, or the proceedings of scientific societies, either reported in full or condensed, by HENRY M. PARKHURST, of the firm of Barr & Lord, Short-hand Writers and Law Reporters, No. 121 Nassau-street, New York.

TELESCOPES MADE TO ORDER CHEAP, AND WARRANTED GOOD. Amateurs furnished with all the information, and materials for making them, by JAMES H. CONKLIN, Peekskill, N. Y.

GUILD & GARRISON'S STEAM PUMPS FOR ALL kinds of Independent Steam Pumping, for sale at Nos. 55 and 57 First-street, Williamsburgh, L. I., and No. 74 Beekman-street, New York.

CLINTON WIRE CLOTH COMPANY.—MANUFACTURERS of Power Loom Wire Cloth, for threshing machines, fan mills, grain sorters, rice mills, locomotive spark-arresters, and all other uses, of a superior quality. Contracts made with the trade and large consumers, on such terms that they will find it to their interest to take their supply from us. Our trademark—"Power Loom Wire Cloth." C. H. WATERS, Agent and Treasurer, Clinton, Mass.

SOLID EMERY VULCANITE.—WE ARE NOW MANUFACTURING wheels of this remarkable substance for cutting, grinding and polishing metals, that will outwear hundreds of the kind commonly used, and will do a much greater amount of work in the same time, and more efficiently. All interested can see them in operation at our warehouse, or circulars describing them will be furnished by mail.

NEW YORK BELTING AND PACKING CO., Nos. 37 and 39 Park-row, New York.

OIL! OIL! OIL!—FOR RAILROADS, STEAMERS, AND for Machinery and Boating.—Pease's Improved Machinery and Burning Oil will save fifty per cent, and will not gum. This oil possesses qualities vitally essential for lubricating and burning, and found in no other oil. It is offered to the public upon the most reliable, thorough and practical test. Our most skillful engineers and machinists pronounce it superior to and cheaper than any other, and the only oil that is in all cases reliable and will not gum. The SCIENTIFIC AMERICAN, after several tests, pronounced it "superior to any other they have ever used for machinery." For sale only by the Inventor and Manufacturer F. S. PEASE, No. 61 Main-street, Buffalo, N. Y.

PUMPS! PUMPS!! PUMPS!!!—CARY'S IMPROVED Rotary Force Pump, unrivaled for pumping hot or cold liquids. Manufactured and sold by CARY & BRAINERD, Brockport, N. Y. Also, sold by J. C. CARY, No. 2 Astor House, New York City.

HAYDEN SANDERS & CO., NO. 306 PEARL-STREET, New York, Manufacturers of Brass Work for Steam, Gas and Water.

NEW SHINGLE MACHINE—THAT WILL RIVE AND Shave 24,000 Shingles in a day, for sale by S. C. HILLS, No. 12 Platt-street, New York.

TRAVELING AGENTS WANTED—TO SELL A NEW and valuable machine on commission or salary. For instructions and terms, address, with stamps, J. W. HARRIS & CO., Boston, Mass.

PECK'S PATENT DROP PRESS.—THE MOST PERFECT machine in use for the manufacture of silver, copper or tin-ware, spoons, jewelry, forging, &c. Manufactured by the patentee. MILLO PECK & CO., New Haven, Conn.

5,000 ACRES OF THE CHOICEST FARMING lands in Eastern Texas in exchange for improved property. For particulars address Box 83, Putnam, Ohio.

THE AMERICAN ENGINEER—A WEEKLY JOURNAL, devoted to the interests of Marine, Locomotive and Stationary Engineers. This paper, now in its second volume, contains full reports of the American Engineers' Association, and original articles upon steam and steam machinery. It is published by a large house in New York, and will be permanent, whether successfully or not. It is now the only engineer's paper in the United States. JOHN C. MERRIAM, Editor, No. 2 Nassau-street. W. H. GILSON, Publisher, No. 86 Cedar-street, New York City.

C. L. GODDARD, AGENT, NO. 3 BOWLING GREEN, New York. Only manufacturer of the Steel Ring and Solid Packing Burring Machines and Feed Rolls for Wool Cards, &c.

IRON PLANERS, ENGINE LATHES, AND OTHER Machinists' Tools, of superior quality, on hand and finishing, and for sale low; also Harrison's Grain Mills. For descriptive circular address New Haven Manufacturing Company, New Haven, Conn.

WOODWORTH PLANERS—IRON FRAMES TO PLANE 18 to 24 inches wide, at \$90 to \$110. For sale by S. C. HILLS, No. 12 Platt-street, New York.

PATENTED MACHINES FOR ALL WOOD-BENDING purposes on hand, and built to order. LANE & BODLEY Builders; JOHN C. MORRIS, Patentee, Cincinnati, Ohio.

PORTABLE STEAM ENGINES—COMBINING THE maximum of efficiency, durability and economy with the minimum of weight and price. They received the large GOLD MEDAL of the American Institute at their late Fair, as the "Best Portable Steam Engine." Particularly adapted to railway purposes, as repair shop and station engines. Every engine warranted satisfactory, or no sale. Descriptive circulars sent on application. Address J. C. HOADLEY, Lawrence, Mass.

Bur Beachtung für deutsche Erfinder. Die Unterzeichneten haben eine Anleitung, die Erfindern das Verhalten angibt, um sich ihre Patente zu sichern, & ausgegeben, und beabsichtigen solche gratis an dieselben. Erfinder, welche nicht mit der englischen Sprache bekannt sind, können ihre Mittheilungen in der deutschen Sprache machen. Skizzen von Erfindungen mit kurzen, deutlich geschriebenen Beschreibungen beliebe man zu adressiren an Munn & Co., 37 Park Row, New-York. Auf der Office wird deutsch gesprochen. Dasselbst ist zu haben: Die Patent-Gesetze der Vereinigten Staaten, nebst den Regeln und der Geschäftsordnung der Patent-Office und Anleitungen für Erfinder, um sich Patente zu sichern, in den Ver. St. sowohl als in Europa. Ferner Auszüge aus den Patent-Gesetzen fremder Länder und darauf bezügliche Rathschläge; ebenfalls nützliche Hülfe für Erfinder und solche, welche patentiren wollen. Preis 20 Cts., per Post 25 Cts.