apparatus can be cheaply made, and, the inventor states, can be sold at large profit.

Patented through the Scientific American Patent Agency, March 21, 1876. For further information relative to salo ef rights, etc., address the inventor, Mr. John J. White, 279 Church street. Norfolk. Va

DECISIONS OF THE COURTS.

United States Circuit Court-Western District of Michigan,

PATENT PHOTO-PLATE HOLDER.—SIMON WING, ALBERT S. SOUTHWORTH, AND MARCUS ORMSBEE UN. JOSEPH H. TOMPKINS. [In equity—Before Withey, J. Heard January 25, 1967. Decision April 5, 1876.]

<text>

plate notice used by him in training and many set in the set of complainant's patented inven-iton, remarking, however, that the evidence to discredit the testimony of Pratt, and to show that certain exhibited pictures could not have been taken in the center of the focus of the lens, nor by the patentee's process and plate holder, is fully met by the testimony on behalf of defendant on the some subject. In the center of the focus of one tang non-on-balif of defendant on the plate holder, is fully met by the testimony on behalf of defendant on the same subject. Satisfield, as I am, upon both of the topics discussed, that the patent is in-valid. I have no hesitation in so ruling. My judgment is supported by that of Mr. Justice Neison, in Wing vs. Schoonnaker, in which that learned Judge said: "The proofs are full that the idea of making the same impres-sion on different parts of the same plate by the use of a silding plate holder existed and was carried into practical operation by working machines as early as 1847-8, and was in use by several practical photographers, some seven or eight years before the date of the patent of Southworth, and before he had perfected his machine." There has been no ruling in this circuit upon this patent, so far as I know. This fact, taken in connection with the different judgments in Wing vs. Richardson and Wing vs. Schoonnaker, eight years spart, and upon some-what different facts, leaves me at liberty to follow my own judgment, and especially so in view of the additional testimony put into this case. A decree will be entered for defendant.

At the hearing of the former cause it clearly appeared that Liveras Hull' without any knowledge of any prior machine, or of any prior use of an art of cutting rubber threads in the mode described in his specification, had inven-ted both the machine and the mode of manufacture. But it also appeared as clearly that there was proof of a machine of an earlier date than his inven-tion, although it was unknown to him.

cto some une maxime and the mode of manufacture. But it also appeared as clearly that there was proof of a machine of an earlier date than bis invention, although it was unknown to him. It did notquite satisfactorily appear, from the vidence in the former case, that the process or mode of manufacture described by Hull, and now, but not then, claimed, had been practised on the anticipating machine, although the market on the discover of the second of the discover discover of the discover of the discover of the discover

The law upon this subject is too well settiled to require the citation of any auth obties. A pattern may be defeated by showing that the thing secured by the patent had been invented, and put into actual public use, prior to the discovery of the patentee, however limited such use (other than experimental) or know-ledge of the prior discovery may have been. Seven witnessees, who are unimpeached and uncontradicted, testify to the public and practical, not merely experimental, use of the patented process. In New Brunswick, on the Heim machine, prior to the time of the alleged in-vention by the patentee. They prove that the threads cut by that machine were good marketable threads, well cut, and publicly made and used in larke quantities in the manufacture of both shirred goods and suspenders, and that the fabric made from them was a good salable fabric and regularly sold in the market. There is some conflict in the testimony as to the subse-quent history is not material to this inquiry. We are dealing with the mode of manufacture of the thread. The evidence shows that mode of manufacture to have been practised, not for experiment, but in the regular course of business, openly, successfully, and practically, within the know-icdge of a large number of persons at a time prior to the date of the alleged invention. Bill dismissed. nvention. Bill dismissed. [James E Maynadier, for complainants. George Gifford, Hillard, Hyde, and Dickenson, for defendants.]

United States Circuit Court-District of Massachusetts.

HELEN MARIE MCDONALD 78. S. M. BLACKMER et al. [In equity.—Before Shepley, J.—Decided October term, 1875, to wit, April 4, 1876.]

111 equity.— Detects Surpey, s. 4, 1876.]
SHENLKY, J.:
Since the disclaimer, which was filed before the date of the bill in this case, the claim of the complainant is limited to that only which was described in the specification of her patent, namely, 'as a new article of manufacture, a skirt protector, having a futuce or plated border bound with or composed of enameled cloth or other waterproof material.' I see no reason to doubt that she was further and original inventor of this article, as definguished from a skirt facing, which a centrely different article, and she as a substantially understored the complainant s inventor. Decree for the purpose, as compared with the complainant s inventon. [George E. Betton, for complainant.]

United States Circuit Court-District of Massachusetts.

PATENT GAS APPARATUS.—THE GILBERT AND BARKER MANUFACTURING COM-PANY vs. THE WALWORTH MANUFACTURING COMPANY. [In equity.—Before Shepley, J.—Decided April 4, 1876.]

ATENT OAS APPARATUS.—THE GLIGHET AND BAREER MANUFACTURING COMPANY.
[In equity.—Before Shepley, J.—Decided April 4, 1876.]
SHETLEY, J.
The constraints are: the owners of letters natural of the United States, the The Invention is described in the specifications as relating to the apparatus used for carbureting atin the manufacture of luminnating safe of earbureter with the meter wheel or pump for driving the air through said or abureter to the burners, and the coil and heating pipes for evaporating the order with the meter wheel or pump for driving the air through said order while the heating apparatus and the pump ormeter wheel are within the carbureter, where they can be easily and guickly reached, and under perfect control of the occupant of the house. There was nothing novel in the meter wheel, are the construction of a meter wheel are the carbureter, or their connection with the gas pipe, alr, or heating the acarbureter, or their connection with the gas pipe, alr, or heating the acarbureter, or their connection with the gas pipe, alr, or heating the acarbureter, or their connection with the gas pipe, alr, or heating the acarbureter, or their connection with the gas pipe, alr, or heating the acarbureter, or their connection with the gas pipe, alr, or heating of the acarbureter in a valit or house way from the building to be lighted, and ranging the without consource to explosion or parts all of house. The ground, so as the order of the definition to be ground, so as the construct of the outpact without consource of location of parts, all of which are confessed of location with the gas of location without the gas of location of autor, all devines of a synthetic besites of location and all the other parts of the devices operating by reason of such the subscience and worder and which are confessed of location with the gas of location and all the other prior of a parts, all of which are confessed of location in a part of the device of a parts and of location and all the other prior of a pa

and it is gratifying to observe the increasing neatness and propriety of design which characterize them, and the gradual disappearance of the grotesque and clumsy attempts at ornamentation which disfigured the homes of

the last generation. In internal convenience and sanitary arrangement, there is also a marked improvement. Mr. Woollett's designs, shown in 40 well executed plates, fully justify the above remarks, being marked by good taste and ample provision for supply of light and fresh air. The brick buildings illustrated in this book are especially commendable for the substantial and effective use of this material, which is in most respects the best ever employed in building human habitations.

CHEMISTRY, THEORETICAL, PRACTICAL, AND ANALYTICAL, as applied to the Arts and Manufactures. By Writers of Eminence. To be completed in Forty Parts, price 50 cents each. Philadelphia, Pa. : Lippincott & Co., 715 and 717 Market street. For sale by James Sheehy, 33 Barclay street, New York city.

This book, says the title page, is constructed on the basis of the late Dr. Sheridan Muspratt's "Chemistry as applied to the Arts and Manufactures;" and it is to that widely circulated work that the new publication, an instalment of which is now before us, owes its chief recommendation. There is, however, some new matter in jt, and the modern notation is introduced. The work would be more readily adopted as an authority if the names of the "writers of eminence" were given. A work of this magnitude ought not to be published anonymously.

ANNUAL REPORT OF THE UNITED STATES GEOLOGICAL AND GEO-GRAPHICAL SURVEY OF THE TERRITORIES FOR 1874. By F. V. Hayden, United States Geologist. Washington, D. C. : Government Printing Office.

Professor Hayden is engaged in a work of national importance, and is carrying it out in a thoroughly efficient manner. In his account of his labors during 1874, he describes the topography and geology of Colorado and some parts of the adjacent territories; and the botanical and palzontological features of the country explored have not escaped observation. The work now being done by the expedition is an immense one; and a perusal of one of Professor Hayden's reports enables us to fully appreciate it. The book is well and liberally illustrated, the photographers who travel with the expedition being constantly at work as the party progresses.

LADIES' FANCY WORK : Hints and Helps to Home Taste and Recreations. By Mrs. C. S. Jones and Henry T. Williams. Price \$1.50. New York city: H. T. Williams, 46 Beekman street.

This is the third of a series of useful volumes which the above named publisher is issuing, with the design of collecting, in permanent form, an immense number of hints and suggestions relative to tasteful household ornamentation, some of which, hitherto, have appeared in family newspapers. while others have been known only to few individuals. The present book tells how to make fancy work of all kinds, including paper and wax Howers, shell, leaf, and moss ornaments, bead and worsted work, and the thousand knick-knacks of ribbon and cardboard which ladies delight to manufacture. It is copiously illustrated, handsomely bound, and the descriptive matter is plain and easily followed.

ENGINEER'S AND MECHANIC'S POCKET BOOK. By Charles H. Haswell, Civil, Marine, and Mechanical Engineer, ctc. New York city: Harper & Brothers, Franklin Square.

Mr. Haswell's engineer's pocket book has been before the mechanical public now for over thirty years, so that there is little necessity for here recapitulating its contents. It is one of the best, if not the best, of handy books of reference extant; and it must be a matter of some difficulty to suggest any useful practical facts or tables which are not to be found somewhere among its 700 pages. The present edition is the thirty-second, and is fully up to the times, through fresh and careful revision of the contents. It is strongly and handsomely bound in leather, in pocket book form, and can be obtained, postpaid, by mailing \$3.00 to the author, at 6 Bowling Green, New York city.

CATALOGUE OF THE FISHES OF THE BERMUDAS. By G. Brown Goode. Washington, D. C.: Government Printing Office.

This work is one of a series intended to illustrate the natural history collections constituting the National Museum, which were en rusted to the care of the Smithsonian Institution by Act of Congress in 184-

CENTENNIAL COLLECTION OF NATIONAL SONGS. Price 40 cents. New York city : C. H. Ditson & Co., 711 Broadway.

A collection of songs, more or less familiar, which will probably be welcome to many people in this year of celebrations.

Inventions Patented in England by Americans. (Compiled from the Commissioners of Patents' Journal.)

From March 28 to April 24, 1876, inclusive.

AIR BRAKE, ETC.-Empire Vacuum Brake Company, New York city.

AIR GUN, ETC.-A. A. Pope, Boston, Mass. AIR PISTOL.-A. C. Carey, Malden, Mass.

BATH TUB.-A. Seligsburg, New York city.

BENDING TUBE PLATES.-S. P. M. Tasker, Philadelphia, Pa. BENDING TUBES, ETC.-C. Scotteld, Vineland, N. J.

BINDING SHEAVES .- S. Johnston, Brockport, N. Y.

BOOT, ETC.-R. S. Manning, Trenton, N.J.

BOOT-LASTING MACHINE.-F. S. Hunt, Lynn, Mass. BOOT-SEWING MACHINE.-C. Goodyear, Jr., New York City.

BRISTLE-DRESSING MACHINE.-E. B. Whiting, St. Albans, Vt.

CAKE MACHINERY .-- G. W. Nelson, New York city.

CARTRIDGE ANVIL.-J. Saget, New Orleans, La.

CHAIR.-W. T. Doremus, New York city.

DENTAL APPARATUS.-H. C. Howells, Flushing, N. Y.

ELASTIC SEAM .- J. Bigelow, Boston, Mass.

ELECTRIC ENGRAVING MACHINE.-J. C. Guerrant, Danvilic, Ill. ENGINE VALVE.-E. Purvis, New York city.

FEED WATER HEATER .- H. N. Waters et al., West Meriden, Conn.

GAS APPARATUS.-W. H. St. John. New York city.

GAS METER.-J. Morgan, New Orleans, La. GAS STOVE, ETC.-C. F. Brooker, Wolcotville, Conn.

GRAIN CONVEYER .- N. G. Simonds, Boston, Mass.

HOOF EXPANDER.-C. H. Shepard, Elizabeth, N. J.

HORSESHOE NAIL, ETC.-J. B. Wills, Keeseville, N. Y. INJECTOR.-J. Fergus, Philadelphia, Pa.

MACHINE GUN .- F. L. Bailey, Indianapolis, Ind.

MAGNETIC MACHINE .- J. B. Fuller, New York city, et al. MANGLING APPARATUS.-W. G. Lewis, Framingham, Mass. MASHING GRAIN, ETC .- R. d'Heureuse, New York city. MINING MACHINE .- F. M. Lechner et al., Columbus, Ohio. OBSERVATORY .- L. B. Sawyer, Boston, Mass. PAPER BOXES, ETC.-S. Wheeler, Albany, N. Y. PAPER-CUTTING MACHINE, ETC.-W. Scott. Chicago, Ill. PIPE NOZZLE, ETC.-M. Clemens, Worcester, Mass PLAYING CARDS.-I. N. Richardson, Malden, Mass. PRESERVING FABRICS, ETC.-W. Thilmany, Cleveland, Ohio. PYROTECHNIC SIGNAL .-- E. F. Linton, East New York, N. Y. RAILWAY WHEEL .- A. Atwood, Brooklyn, New York, et al. REFRIGERATOR, ETC .- J. H. Wickes, New York city. SAFETY CHECK, ETC .- J. E. Winner, Philadelphia, Pa SASH FASTENER .- N. Thompson (of Brooklyn, N. Y.), London, England. SHIP ALARM, ETC .- F. X. Wagner et al., New York city. SMOKING PIPE .- R. S. Manning, Trenton, N. J. SPARK ARRESTER.-D. R. Proctor, Gloucester, Mass. SPINDLE CAP.-C. Weiler, Philadelphia, Pa. SPITTOON .- J. C. Moore, Philadelphia, Pa. TEXTILE FABRIC.-S. Barlow, Lawrence, Mass THERMOMETER.-G. W. Schumacher, Portland, Me TREATING ORES, ETC.-R. MCC. Fryer, New York city. TREATING PEAT, ETC .- J. N. Rowe (of Rockland, Me.), Liverpool, Eng. TREATING WOOL, ETC .- J. M. Dick, Buffalo, N. Y. TUBE CLEANER .-- C. B. Rogers, Saybrook, Conn. UMBRELLA, ETC .-- G. B. Kirkham, New York city VENEER-CUTTING MACHINE.-H. T. Bartlett et al., New York city.

United States Circuit Court---District of Massachusetts.

BOSTON ELASTIC FABRIC COMPANY 78. EAST HAMPTON RUBBER THREAD COMPANY.

[In equity.-Before Shepley, J.-Decided October term, 1875, to wit, April Suppress J. 4, 1876. SHEPLEY. J. :

SHEPLEY, J.: A former suit between these parties commenced for alleged infringement of letters patent granted to Liveras Hull, dated January 20, 1863, for an im-provement in cutting sheets of rubber into threads, was dismissed upon the ground that the patent, as it then stood, was for a machine, and that the ma-chine used by Hull was substantially the same machine as one of prior date know to manufacturers of rubber threads as "the bottle nachine." Since the decision in that cause, the patent has been relasued to the com-plainants, as assignees of Liveras Hull, by relasue 5,903, dated June 2, 1874, as a patent for an art or process, the claim being "for the improved mode of manufacture, consisting in cutting the sheet into a series of threads by a continuous cut of one cutter," as described in the specification.

NEW BOOKS AND PUBLICATIONS.

ARCHITECTURAL IRON WORK, a Practical Book for Iron Workers Architects, Engineers, etc. With Specifications for Iron Work, Useful Tables, and Valuable Suggestions. By William J. Fryer, Jr. Illustrated. Price \$3.50. New York city: John Wiley & Sons, 15 Astor place.

This book is the best specimen which has reached us of a new trade literature which is now springing up to answer a demand created by the extensive use of iron in architecture, not merely for the rods and girders, but as a building material. The author is evidently thoroughly acquainted with his subject, and his book is an exhaustive treatise on the science and art of building in iron. The specifications are admirably drawn, and the tables of proportions, weights, and loads for iron work of all kinds are full and complete. The book is well illustrated, and is a clear, practical treatise, adapted for workmen and owners of buildings as well as for the engineering profession. It is, moreover, free from those technical expressions which too often impair the value of such works for practical workmen.

VILLAS AND COTTAGES, OR HOMES FOR ALL: Plans, Elevations, and Views of Twelve Villas and Ten Cottages, Suited to Various Wants and Locations. Designed by William L. Woollett, Fellow of the American Institute of Architects. Price \$3.00. New York city: A. J. Bicknell & Co., 27 Warren street.

Judging from the number of books on villa architecture which reach us. there must be a lively demand for **rural** and suburban residences just now;