



104,807.—COOKING STOVE.—J. B. Wilkinson, Troy, N. Y.
104,808.—REED FOR LOOMS.—J. H. Williams, Pleasant Hill, Ohio.
104,809.—MOSQUITO-SCREEN FRAME.—W. W. Wooley, New York city.

104,887.—MACHINE FOR MAKING COMPOSITION ROOFING.—L. G. Rice, Cambridge, Mass.
104,888.—STEAM ROAD VEHICLE.—Ira A. Sabin, Locust Lane, Pa.
104,889.—STOVEPIPE DAMPER.—David Saunders (assignor to himself and J. D. Pierce), Milwaukee, Wis.

REISSUES.
4,044.—SPIDER ARCH FOR BURNING BAGASSE.—John Amick, Ascension, parish, La.—Patent No. 101,968, dated April 19, 1870.
4,045.—NON-CORROSIUE VALVE SEAT.—E. H. Ashcroft, Lynn, Mass.—Patent No. 81,576, dated Sept. 1, 1868.
4,046.—CORN MARKER, PLANTER, AND CULTIVATOR.—Elias Barto, Tiffin, Ohio.—Patent No. 89,843, dated May 11, 1869.

APPLICATIONS FOR THE EXTENSION OF PATENTS.
MACHINERY FOR COMBING WOOL.—Michael H. Simpson, Boston, Mass., has petitioned for an extension of the above patent. Day of hearing Aug. 31, 1870.
MANUFACTURE OF IRON AND STEEL.—Robert Musket, Cheltenham, England, has petitioned for an extension of the above patent. Day of hearing Sept. 7, 1870.

NEW BOOKS AND PUBLICATIONS.

THE AMERICAN ANNUAL CYCLOPEDIA and Register of Important Events of the Year 1869, embracing Political, Civil, Military, and Social Affairs; Public Documents, Biography, Statistics, Commerce, Finance, Literature, Science, Agriculture, and Mechanical Industry. Volume IX. New York: D. Appleton & Company, 90, 92, and 94 Grand street.

This volume of a popular and well-known work, published annually, is of the usual size, and filled as usual with a large store of useful information. It is impossible that we should notice all the contents, but we observe that under the head of "Astronomical Phenomena and Progress," a very full account is given of the phenomena observed at different points during the eclipse of August 7, 1869. This department also contains a record of other interesting and important matters. The department of chemistry is not very complete, but contains some interesting articles and some useful practical applications of a novel kind. Of special interest are the articles on "Ammonium Amalgam," and the "Purification of Water by Chemical Ingredients."

THE NEW ELEMENTS OF HAND RAILING. In Concise Problems, calculated to bring this most Useful Science within the reach of every capacity. By Robert Riddell, Author of "The Carpenter and Joiner," "Hand-Railing Simplified," etc. Illustrated with Forty Accurate Plates. Philadelphia: Claxton, Remsen & Haffelfinger. London: Sampson, Low & Co.

This is a large quarto—beautifully printed, illustrated, and bound—by a well-known, able, and popular writer who fully understands the subject he treats, and possesses the rare faculty of expressing himself with perfect clearness. The book is a valuable addition to technical literature, and will prove of great value to carpenters and builders.

TRANS-CONTINENTAL TOURISTS' GUIDE, Containing a Full and Authentic Description of over Five Hundred Cities, Towns, Villages, Stations, Mountains, Lakes, Rivers, Sulphur, Soda, and Hot Springs, Scenery, Watering Places, Summer Resorts; where to look for and Hunt the Buffalo, Antelope, Deer, and Trout Fishing, etc., along the line of the Union Pacific Railroad, and Central Pacific Railroad, of California, their Branches and Connections by Stage and Water, from the Atlantic to the Pacific Ocean. Illustrated. New York: George A. Croft & Co., Publishers, No. 21 Park Row.

GREAT VALUE

OF

PATENTS.

PROBABLY no investment of a small sum of money brings a greater return than the expense incurred in obtaining a patent, even when the invention is but a small one. Larger inventions are found to pay correspondingly well. The names of Blanchard, Morse, Bigelow, Colt, Ericsson, Howe, McCormick, Hoe, and others, who have amassed immense fortunes from their inventions, are well known. And there are hundreds of others who have realized large sums—from fifty to one hundred thousand dollars—and a multitude who have made smaller sums, ranging from twenty-five thousand to fifty thousand dollars, from their patents. The first thing requisite for an inventor to know is, if his invention is patentable. The best way to obtain this information, is either to prepare a sketch and description of the invention, or construct a model, and send to a reliable and experienced patent solicitor, and ask advice.

In this connection inventors are informed that

MUNN & CO.,

Publishers of the

Scientific American,

37 Park Row, New York,

Have been engaged in the business of Soliciting Patents for nearly twenty-five years, and have the most extensive facilities for transacting such business, of any concern in the world. M. & Co. have examined and reported more than

50,000 INVENTIONS,

And prepared the papers for more than

25,000 APPLICATIONS

For Patents during the last quarter of a century. For the past ten years, the cases filed in the Patent Office by them, are about ONE THIRD of the entire number of applications filed. Their corps of specification writers and counselors are made up from the ranks of the Patent Office, and are men capable of rendering the best service to the inventor, from the experience practically obtained while examiners in the Patent Office.

MUNN & CO.

Offer their services in preparing

Specifications and Drawings for Patents, Caveats, Reissues, Designs, Trade Marks, Extensions, Interferences, and Assignments.

They also prosecute

REJECTED APPLICATIONS,

Which have been improperly prepared by the inventor or incompetent attorneys. Good inventions are often rejected for no other reason than that the cases were not properly presented to the Patent Office. Inventors should bear in mind that Patents are often worth more in foreign countries than in the United States, and the reduced prices for which they are now obtained in England, France, and in other countries, render it within the means of most persons to patent their inventions abroad. For instructions concerning

FOREIGN PATENTS,

REISSUES,

INTERFERENCES,

HINTS ON SELLING PATENTS,

RULES AND PROCEEDINGS AT THE UNITED STATES

PATENT OFFICE,

THE PATENT LAWS, FEES, ETC., SEE

"HINTS TO INVENTORS,"

Which is sent free by mail on application. Advice free. Everything confidential. Address all communications to

MUNN & CO.,

PUBLISHERS

SCIENTIFIC AMERICAN,

37 Park Row, New York,

Office in Washington, corner of F and Seventh streets.