

THE PRACTICAL BRASS AND IRON FOUNDERS' GUIDE. A Concise Treatise on Brass Founding, Molding the Metals, and their Alloys, etc.

This edition of a well-known and popular work, has been prepared from the manuscript of the author, and is essentially improved and enlarged.

GRISWOLD'S RAILROAD ENGINEERS' POCKET COMPANION FOR THE FIELD. Comprising Rules for Calculating Deflection, Distances, and Angles, Tangential Distances and Angles, and all necessary Tables for Engineers; also the Art of Leveling, from Preliminary Survey to the Construction of Railroads.

This is a book of reference, designed to aid the memory in field work, and has been prepared from notes taken during a long experience in railroad engineering.

Inventions Patented in England by Americans.

[Compiled from the "Journal of the Commissioners of Patents."]

PROVISIONAL PROTECTION FOR SIX MONTHS.

- 3,188.—APPARATUS FOR SHAMPOOING.—M. L. Winn, San Francisco, Cal. Nov. 3, 1869.
87.—SHARPENING KNIVES.—C. Robbins and H. A. Robbins, Washington, D. C. January 11, 1870.

Official List of Patents.

Issued by the United States Patent Office

FOR THE WEEK ENDING March 1, 1870.

Reported Officially for the Scientific American.

SCHEDULE OF PATENT OFFICE FEES:

Table with 2 columns: Description of fee and Amount. Includes fees for filing, issuing, and extending patents.

For copy of Claim of any Patent issued within 30 years. \$1
A sketch from the model or drawing, relating to such portion of a machine as the Claim covers, from... \$1

- 100,244.—SUCTION HOSE.—Albert F. Allen, Providence, R. I.
100,245.—MAIN SPRING BARREL FOR WATCHES.—John P. Allen, Springfield, Ohio.
100,246.—WATCH REGULATOR.—J. P. Allen and W. E. Banta, Springfield, Ohio.

- 100,282.—COMPRESSED AIR CYLINDER.—G. W. Warfield Goodwin, New Orleans, La.
100,283.—BREASTPLATE FOR THE BREAST COLLARS OF DOUBLE HARNESS.—C. Graham, New York city.
100,284.—VIOLIN.—Joseph Grandjon, Paris, France.

- 100,368.—MACHINE FOR PLANING AND SQUARING THE ENDS OF SEGMENTAL STEREOTYPE PLATES.—Richard Vose, Philadelphia, Pa., administrator of Wm. Bullock, deceased. Antedated Feb. 25, 1870.
100,369.—STOVE PIPE DAMPER AND VENTILATOR.—A. R. Burdick, Racine, Wis.
100,370.—SPRING WAGON SEAT.—Peter Burress, Braidwood, Ill.

