

NEW BOOKS, ETC.

SUBJECT LIST OF WORKS ON PHOTOGRAPHY AND THE ALLIED ARTS AND SCIENCES IN THE LIBRARY OF THE PATENT OFFICE.

A most valuable little book worthy of a considerable sale, the arrangement is admirable.

THE AMATEUR'S PRACTICAL GARDEN BOOK. By C. E. Hunn and L. H. Bailey. New York: The Macmillan Company.

A volume of the "Garden Craft Series." It is a capital book filled with exactly the information one is always wanting to know.

MODERN HOUSE PLANS FOR EVERYBODY. For Village and Country Residences, costing from \$250 to \$8,000.

To builders this work will be valuable as a handbook of reference, and to those who intend to build a home it will prove useful.

THE GAS ENGINE HANDBOOK. A Manual of Useful Information for the Designer and Engineer. By E. W. Roberts, M. E. Cincinnati, Ohio.

The book deals with American practice and is filled with valuable formulas and methods of determining mechanisms and proportions.

FIELD TESTING FOR GOLD AND SILVER. A Practical Manual for Prospectors and Miners. By W. Hamilton Merritt, F.G.S.

The more intelligent is the prospector in his line of work the greater chance of success he will have.

MODERN COMPOUNDING AND RECTIFYING. By Charles Norton. Chicago: Foote & Solomon.

There are many secrets in the distiller's business and many of them are given away in this book.

AN ELEMENTARY PHYSICS FOR SECONDARY SCHOOLS. By Charles Burton Thwing, Ph.D., (Bonn). Boston: Benjamin H. Sanborn & Company.

Prof. Thwing has prepared a text-book which occupies a unique position. It is not too elementary, nor is it too advanced for the usual secondary school.

DYNAMOMETERS AND THE MEASUREMENT OF POWER. By John J. Fletcher, Ph.B., M.M.E. Second Edition. Revised and Enlarged.

The author has presented in convenient form for the use of technical students and engineers a description of the construction and principles of action of the various types of dynamometer employed in the measurement of power.

THE WHY OF GRAVITY. By J. A. Allen. Alwington, Kingston, Canada. 1900. Pp. 34.

Mr. Allen's little treatise, running, as he himself admits, "counter to all ordinary habits of thought," will probably not meet with the approval of scientists.

RESULTS OF RAIN, RIVER, AND EVAPORATION OBSERVATIONS MADE IN NEW SOUTH WALES DURING 1898. With Maps and Diagrams. By H. C. Russell, Government Astronomer.

UNIVERSALGELD. Auf Grundlage des metrischen Gewichtes und des Monometallismus, vorzüglich der Silberwahrung. Eine zwanglose Plauderei von Karl Pamperl.

Business and Personal.

Marine Iron Works. Chicago. Catalogue free. For hoisting engines. J. S. Mundy, Newark, N. J.

Wanted—To buy article every body uses. Must be good seller and retail \$1. "X," Box 773, New York.

Most durable, convenient Metal Workers' Crayon is made by D. M. Steward Mfg. Co., Chattanooga, Tenn.

The best book for electricians and beginners in electricity is "Experimental Science," by Geo. M. Hopkins.

Notes & Queries

HINTS TO CORRESPONDENTS.

Names and Address must accompany all letters or no attention will be paid thereto.

References to former articles or answers should give date of paper and page or number of question.

Buyers wishing to purchase any article not advertised in our columns will be furnished with addresses of houses manufacturing or carrying the same.

Scientific American Supplements referred to may be had at the office. Price 10 cents each.

(7951) DeF. H. asks: 1. Can a jar filled with water and covered on the outside with tin foil and having a large wire nail passed through the cork, be used in place of a Leyden jar?

The leakage is too great, due to the moisture on the glass. This was the first form of Leyden jar ever used. It is described in many text-books and histories of electricity.

(7952) W. T. C. writes: 1. I have a 75-watts dynamo and wish to run it with storage batteries; how many will it take?

(7953) W. G. asks: 1. Can the static motors described in the SCIENTIFIC AMERICAN of February 25, 1899, and August 11, 1900, be used with an induction coil?

(7954) J. G. W. H. asks: Please state the theory and principles by which the electrical receiver of a radiophone is governed?

ten cents each. Ganot's "Physics," last edition, price \$3, treats this subject quite fully.

(7955) C. A. P. asks: What I want to know is this: What effect has the electro-magnet on the electric arc to cause it to be extinguished in the controller and to be deflected in the arc welding stem?

(7957) C. W. N. writes: I noticed in your issue of July 28, under Notes and Queries (7924), E. R. asks: Is the gage of iron and steel wire the same as copper?

TO INVENTORS.

An experience of over fifty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending AUGUST 28, 1900, AND EACH BEARING THAT DATE.

Table listing inventions with patent numbers, including categories like Acid and making same, Adhesive product, Air compressor, etc.

Table listing inventions with patent numbers, including categories like Camera, photographic, Can, See Sheet metal can, Caps, O. B. Sullivan, etc.