

Notes and Queries.

HINTS TO CORRESPONDENTS.

Names and Address must accompany all letters or no attention will be paid thereto. This is for our information and not for publication.

(10539) E. H. asks: Would you kindly advise me, through your notes and queries column, relative to the following, viz.: I desire to protect my country residence from the effects of lightning.

House is built upon rocks with a covering of about six feet of earth, about 18 feet above normal high tide; the drain and soil pipes are 6 feet under ground and drain into the water, being constantly covered by water.

(10540) C. B. T. asks: I have been trying to make a touch spark coil for a gasoline engine but it fails to give a spark much larger than the batteries alone.

core to act as ends of the spool for the winding. Wind 13 layers of No. 16 double cotton-covered copper magnet wire in even layers on the core.

NEW BOOKS, ETC.

MENDELISM. By R. C. Punnett. Cambridge: Macmillan & Co., 1907. 32mo.; 84 pages. Price, 80 cents.

That Mr. Punnett's admirable little book on Mendelism should have passed to a second edition speaks well for the rapid advance which the new ideas of breeding, heredity, and the origin of species have made in recent years.

STEAM TURBINES. PRACTICE AND THEORY. By Lester G. French. Brattleboro, Vt.: The Technical Press. 8vo.; cloth; 418 pages, ill. Price, \$3.

It is during the last five years only that the steam turbine has been raised to a degree of efficiency that makes it of commercial value. For the nine years previous to July, 1906, Mr. French was editor-in-chief of Machinery, so that his knowledge of turbines covers all the questions that arose during the entire period of their active development.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending May 21, 1907. AND EACH BEARING THAT DATE

- Accounting apparatus, J. S. Caldwell..... 854,402
Addressing and printing machine, envelop, M. P. Kenna..... 854,401
Air brake pistons and cylinder heads, etc., vice for holding, W. S. Scott..... 854,242

(10541) H. P. A. asks: Will you please give directions for making a spark coil for gas lighting? Upon what principle does such a spark coil act? A. A spark coil for gas lighting may be made from the following data:

Star Foot and Power Screw Cutting Lathes. FOR FINE, ACCURATE WORK. SENECA FALLS MFG. CO. 695 Water Street, Seneca Falls, N. Y., U. S. A.

Engine and Foot Lathes. MACHINE SHOP OUTFITS, TOOLS AND SUPPLIES. BEST MATERIALS. BEST WORKMANSHIP. CATALOGUE FREE. SEBASTIAN LATHE CO., 120 Culvert St., Cincinnati, O.

Veeder Counters. to register reciprocating movements or revolutions. Booklet Free. VEEDER MFG. CO., 18 Sargeant St., Hartford, Conn.

THE CLIPPER CLIP. Its triangular shape prevents entangling and gives three times the capacity of any other clip for attaching papers together. CLIPPER MFG. CO., 401 West 124th St., New York, U.S.A.

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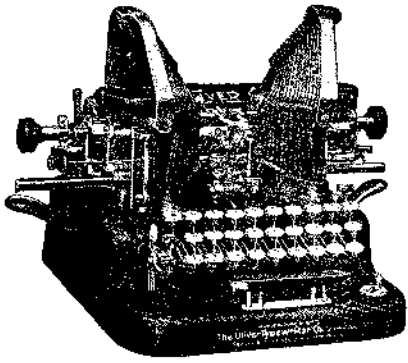
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Advertisement for The Eureka Clip, a book marker and paper clip. Includes a diagram of the clip and text describing its utility.

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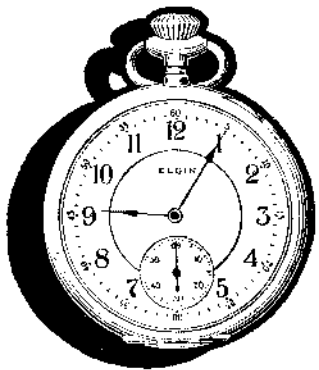
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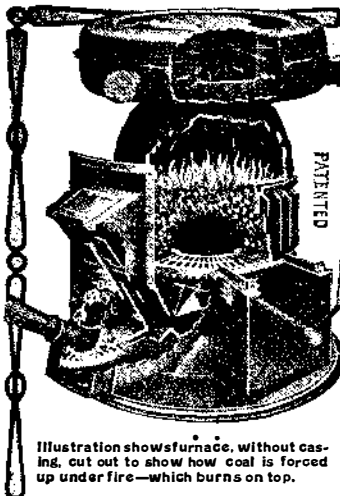
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Table listing various prints and their prices, such as 'Incenso', 'Keweenaw Water-Supply Co.', etc.

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