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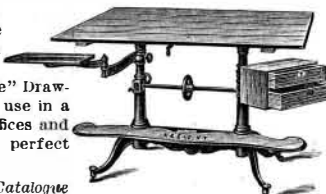


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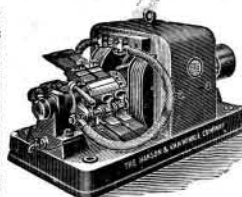
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D. L. HOLDEN 1336 BEACH ST. PHILADELPHIA PA. SOLE MANUFACTURER REGEALD ICE MACHINES SEE FIRST PAGE, SCIENTIFIC AMERICAN SEPT. 2, 1899. READY SHORTLY. Gas Engine Construction By HENRY V. A. PARSELL, Jr., Mem. A. I. Elec. Eng., and ARTHUR J. WEED, M. E. PROFUSELY ILLUSTRATED. Price, \$2.50, postpaid. This book treats of the subject more from the standpoint of practice than that of theory. The principles of operation of Gas Engines are clearly and simply described, and then the actual construction of a half-horse power engine is taken up. First come directions for making the patterns; this is followed by all the details of the mechanical operations of finishing up and fitting the castings. It is profusely illustrated with beautiful engravings of the actual work in progress, showing the modes of chucking, turning, boring and finishing the parts in the lathe, and also mainly showing the lining and erection of the engine. Dimensioned working drawings give clearly the sizes and forms of the various details. The entire engine, with the exception of the fly-wheels, is designed to be made on a simple eight-inch lathe, with slide rests. The book closes with a chapter on American practice in Gas Engine design and gives simple rules so that anyone can figure out the dimensions of similar engines of other powers. Every illustration in this book is new and original, having been made expressly for this work. Large 8vo. About 300 pages. Send for Circular of Contents. MUNN & CO., Publishers, SCIENTIFIC AMERICAN OFFICE, 361 Broadway, NEW YORK.

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