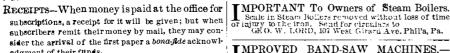
<page-header><page-header><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text>



edgment of their funds.

Advertisements.

Thevalue of the SCIENTIFIC AMERICAN as an advertising medium cannot be over estimated. Its circulation is ten times greater than that of any similar journal now pub t goes into all the States and Territories, and is lished. read in all the principal libraries and reading-rooms of the world. We invite the attention of those who wish to maketheir business known to the annexed rates. A business man wants something more than to see his advertisement in a printed news paper. He wants circulation. If it is worth 25 cents per line to advertise in a paper of three thousand circulation, it is worth \$250 per line to advertise inone of thirty thousand.

RATES OF ADVERTISING.

Back Page - - - . \$1'00 a line. Inside Page- - - . 75 cents a line.

Engravings may head advertisements at the same rate per line, by measurement, as the letter-press.

ROOMS with Steam Power, at Newark, N. J. Factory corner of State and Sheffield sts. Ap-ply to F. M. HOAG, 32 Reade st., New York.

ENTIRE RIGHT-REVERSIBLE CURRY-free, comb, for sale cheap Address, for full particulars, J. M. BAKER, Marshfield, Obio,

DAPER-BAG MACHINES-Having the very latest improvements, and superior to all others, for sale and license, by B. S. BINNEY, 64 Kilby street, Boston, Mass.

MPROVED BAND-SAW MACHINES, manufactured by GEO. HARVEY, 21 & 22 Sprace st., Y. Also, dealer in all kinds of Iron and Wood work-machinery, Belting, etc. New and Second-hand ma-hinery bought.

Philadelphia Machinery Agency. KELLY, HOWELL & LUDWIG, 917 Market st., Philadelphia, Pa.

THE GREAT WISELL LATHE (Unequal-cd), Tarns Spokes of all sizes, Whithetrees, Spring-bars, Hammer, Sledge, Pick, Piow & Yankee Ax Handles, Piow Beams, Wagon Axletrees, etc. Address Banda and Andreas, WiseLL, Manufacturer and Patentee, at Warren, Ohio.

STENCIL DIES! Price for Complete Set, 1, inch. 934 (20) MADE FROM THE FINEST STEEL. And Warranded in every respired. Samples free. Address S. M. SPENCER, Box 47, Brathlehoro, Vi.



Send for Illustrated and Descriptive Circular. T. W FAY, Patentee and Manufacturer, Camden, N. J.

HUDSON RIVER Institute and Claveraux College — A first-class institution for both sexes. College course for Ladies and Academic course for Ladies and Gentlemen. Nine departments and seven teen Professors and Teachers. TERM OFENS APRIL 47H. For catalogue containing full particulars, address REV. ALONZO FLACK, A.M., President, Claverack, Columbia Co., N.Y.



LOWELL

D. VAN NOSTRAND, Publisher, 23 Murray st., New York.

BESIDES MUCH INTERESTING READ BESIDES MUCH INTERESTING READ-ing Matter, over 80 New Inventions are described, and over 30 illustrated and described, in the March No. of THE PATENT STAR. Improvements in Agricultu-ral lup-tements, Machinery, Tools, Huser-furnishing Utensils, Builtima Materials, etc., etc., are included. Maufingturers, Decleys, Inventors, and Agents find val-nable information in this BEAUTIFULLY ILLUSTRATED EIGHTPAGED JOURAL. Terms 50c. ayear to subscrib-ers. Send 2 stamps for sample copy. BENT, GOODNOW & CO., Publishers, And Agents for the sale of Patent Rights and Patented Inventions, 119 Milk st., Boxton, Mass.

OFFICE TRINITY BUILDING, 111 Broadway Room No. 71. WHARVES AT

The Fairmont Gas Coal Co.,

Of New York.

LOCUST POINT, BALTIMORE. MINES AT

FAIRMONT, MARION CO., W. VA.

THE FAIRMONT GAS COAL COMPA-panies for their Very Superior Gas Coal. The Coal from their Mines is remarkably freefrom sul-plar, and will be carefully simpled, free of slate and other mpurities. This Coal has an illuminating power of 19 canales, yielding over 10,000 cubic feet of gas to the tun, and an excellent Coke. Refer to the Manhattan Gas Light Co., of New York, and the New York Gas Light Co., of New York, A. N. MEYLERT, President. HIRAM BENNER, Sec. and Treas'r.



THE GREAT REQUISITE TO SUCCESS

196

