

Advertisements.

ORDINARY RATES.

Inside Page, each insertion, - 75 cents a line
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The above are charges per agate line—about eight words per line. This notice shows the width of the line, and is set in agate type.

COLD FORGED PRODUCT.

Forged Wood Screw

Patented May 10, July 19, 1887; Oct. 29, 1889; Aug. 19, Oct. 21, 1890; April 7 May 12, 1891; July 19, 1892.

Its Advantages are:

- 1. Stronger than a common screw.
2. Uniform and wide slot.
3. Requires the use of but one bit in hard wood.
4. Inserted easier.
5. Centralized point.
6. Superior holding power.
7. The screw being Cold Forged, instead of Cut, leaves on its entire surface a metallic skin.

AMERICAN SCREW CO. PROVIDENCE, R. I.

AGENTS WANTED FOR FINE TOOLS IN EVERY SHOP. C.H. BESLY & CO. CHICAGO, ILL. U.S.A.

KODAKS \$6.00 TO \$100.00

Eastman Kodak Company, Rochester, N. Y.

WATER MOTOR, \$5.

BOLCIANO'S LITTLE GIANT WILL RUN YOUR SEWING MACHINE and other Light Machinery. A week's work done in a day.

The American Bell Telephone Company 125 MILK ST., BOSTON, MASS.

This Company owns the Letters Patent No. 186,787, granted to Alexander Graham Bell, January 30, 1877, the scope of which has been defined by the Supreme Court of the United States in the following terms:

"The patent itself is for the mechanical structure of an electric telephone to be used to produce the electrical action on which the first patent rests. The third claim is for the use in such instruments of a diaphragm, made of a plate of iron or steel, or other material capable of inductive action; the fifth, of a permanent magnet constructed as described, with a coil upon the end or ends nearest the plate; the sixth, of a sounding box as described; the seventh, of a speaking or hearing tube as described for conveying the sounds; and the eighth, of a permanent magnet and plate combined. The claim is not for these several things in and of themselves, but for an electric telephone in the construction of which these things or any of them are used."

This Company also owns Letters Patent No. 463,569, granted to Emile Berliner, November 17, 1891, for a Combined Telegraph and Telephone; and controls Letters Patent No. 474,231, granted to Thomas A. Edison, May 3, 1892, for a Speaking Telegraph, which cover fundamental inventions and embrace all forms of microphone transmitters and of carbon telephones.

PATENTS CAVEATS, TRADE MARKS, COPYRIGHTS.

CAN I OBTAIN A PATENT? For a prompt answer and an honest opinion, write to MUNN & CO., who have had nearly fifty years' experience in the patent business.

The Correspondence School of Mechanics.

(CONDUCTED ON THE SAME PLAN AS THE CORRESPONDENCE SCHOOL OF MINERS.)

OBJECT

The Correspondence School of Mechanics offers ambitious mechanics, pattern makers, engine drivers, firemen, and others employed about machinery, an opportunity to secure a mechanical education.

METHOD

A Systematic Course of Study under competent instructors who know what is necessary for successful work. The Instruction and Question Papers are prepared by able specialists.

They are Written in the Simplest Possible Language and begin at the beginning of each subject. They explain the Principles and Details and the methods of combining and applying them.

He is Compelled to Learn his Lessons Thoroughly as he cannot advance unless he is proficient in preceding lessons.

He is in Touch with his Teachers and can get information from them at all times by merely writing for it.

Diplomas are Awarded to students who pass the final examination.

FOR WHOM DESIGNED.

The School is designed for the instruction of machinists, pattern makers, engine drivers, firemen, draughtsmen, foremen, superintendents of manufacturing establishments, and others connected with the manufacture or use of machinery.

Also for the instruction of the sons of mechanics and others whose associations are such as to give them some familiarity with mechanical terms and machinery.

COURSE OF STUDY.

- 1. ARITHMETIC.
2. ALGEBRA.
3. GEOMETRY and TRIGONOMETRY.
4. ELEMENTARY MECHANICS.
5. HYDROMECHANICS.
6. PNEUMATICS.
7. HEAT.
8. MECHANICAL DRAWING.
9. STEAM and STEAM ENGINE.
10. STRENGTH OF MATERIALS.
11. APPLIED MECHANICS.
12. BOILERS.
13. MACHINE DESIGN.
14. ELECTRICITY.

SCHOLARSHIPS AND PRICES.

The Mechanical Drawing Scholarship. PRICE: \$25.00 in Advance, or \$30.00 in Installments.

The Complete Scholarship. PRICE: \$35.00 in Advance, or \$40.00 in Installments.

HOW TO LEARN MORE ABOUT THE SCHOOL.

As it is impossible to give a detailed description of our methods, etc., in an ordinary advertisement, we issue a very complete "Circular of Information" that explains it all.

The Correspondence School of Mechanics, Scranton, Pa.

KNITTING MACHINERY

Knitted underwear is in vogue. The best machinery for its manufacture, such as SHIRT MACHINES, SLEEVERS, BAR STITCH MACHINES, etc., are made by SCOTT & WILLIAMS, 2077 E. Cumberland Street, Philadelphia, Pa., U. S. A.

Motor of 19th Century

Can be used any place, to do any work, and by any one. No Boiler! No Fire! No Steam! No Ashes! No Gauges! No Engineer! A perfectly safe Motor for all places and purposes.



Accountants who use The Comptometer

Save time, avoid mistakes and do not ruin their nerves. It is operated by keys, like a typewriter, and performs addition, multiplication, division, interest, etc., etc.

First Nat'l Bank, Brownsville, Texas, writes: "The Comptometer purchased of you has taken the place of one clerk in this office." Brotherhood Wine Co., New York City, writes: "We would not be without them if they cost twice as much."

ELECTRIC LIGHTING WE MAKE A SPECIALTY OF INSTALLING ISOLATED ELECTRIC LIGHTING PLANTS FROM 10 TO 1000 LAMPS.



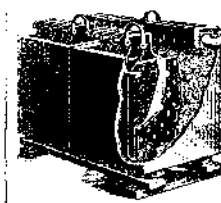
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Embodies the most Progressive Mechanical Principles. All the Essential Features Greatly Perfected. Perfect and Permanent Alignment. Easiest Running, and Nearly Silent.

At 1/2 Price Gold and Silver Watches, Bicycles, Tricycles, Guns and Pistols, Carriage Buggies, Wagons, Carriages, Sleighs, Harness, Cart Taps, Saws, Sewing Machines, Accordions, Organs, Pianos, Cider Mills, Feed Mill, Stoves, Kettles, Bone Mills, Letter Presses, Jack Screws, Trucks, Hay Cutters, Press Stands, Copy Books, Vices, Drills, Hand Planes, Lawn Mowers, Coffee Mills, Lathes, Sanders, Dump Carts, Corn Sheller, Hand Carts, Forge, Scrapers, Wire Fence, Fanning Mills, Wringers, Engine, Saw, Steel Sinks, Grain Dumps, Crow Bars, Bolters, Scales, Bit Druses, Equitable Building, Railroad, Platform and Counter SCALES, Hay, Stock, Elevator, Railroad, Platform and Counter SCALES.

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SOLE MANUFACTURERS OF THE CHLORIDE ACCUMULATOR. Elements of all sizes, from 100 up to 10,000 watt-hours capacity each.

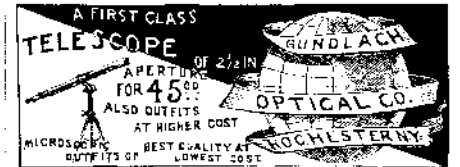
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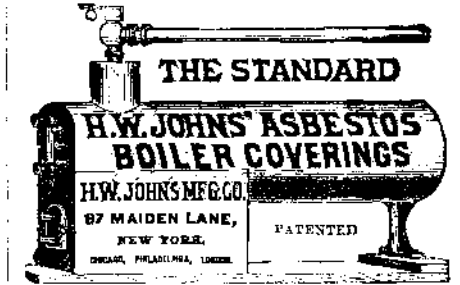
GENERAL ELECTRIC COMPANY, PRINCIPAL SALES OFFICES. 44 Broad Street, New York; 173 and 175 Adams Street, Chicago, Ill.; Fifth and Race Streets, Cincinnati, O.; Equitable Building, Atlanta, Ga.; 15 First Street, San Francisco, Cal.; 620 Atlantic Avenue, Boston, Mass.; 509 Arch Street, Philadelphia, Pa.; 401-407 Sibley Street, St. Paul, Minn.; 1333 F Street, N. W., Washington, D. C.; Masonic Temple, Denver, Col.

CASH PAID for all kinds of good Second-hand Iron and Wood-Working Machinery.

INVENTORS! Don't order goods or get a model made until you write us.



ELECTRO MOTOR, SIMPLE. HOW TO MAKE. By G. M. Hopkins.—Description of a small electro motor devised and constructed with a view to assisting amateurs to make a motor which might be driven with advantage by a current derived from a battery, and which would have sufficient power to operate a foot lathe or any machine requiring not over one man power.



PATENT FOR SALE.

The Aeberly Cattle Stall Device for the enhancement of comfort and cleanliness of milk cattle. Is simple, durable, and can easily be adjusted to almost any crib.

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PRINTING INKS.

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