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OVERMAN WHEEL CO.
BOSTON. WASHINGTON. DENVER. SAN FRANCISCO.
A. C. SPALDING & BROS.
SPECIAL AGENTS,
CHICAGO. NEW YORK. PHILADELPHIA.

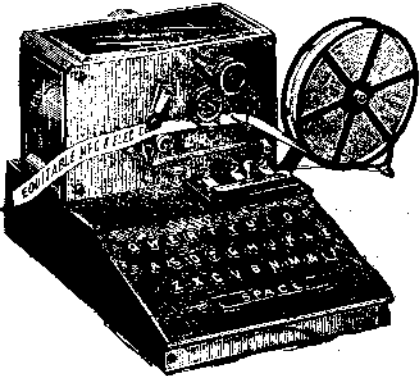
"Spar Pointed" Wood Screws.



Patented May 10, July 19, 1887; Oct. 29, 1889;
Aug. 19, Oct. 21, 1890; Apr 1 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.

AMERICANS CREW CO.
PROVIDENCE, R. I.



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FOR EVERY PURPOSE.

Messages printed in plain type. Can be operated by any one. No skilled labor required. Quick communication, with absolute certainty of receipt of message. Portable machines, wires, and batteries for temporary connections. Wires of any length fitted out, from a few feet to a thousand miles.

The hinge of destiny:
a spare minute.

To use it rightly is the secret of success; but you must have it; keep it always under your eye. Does your watch occasionally "stop to think?" That's bad. You want to do the thinking. Get an accurate, jeweled, quick-winding Waterbury. \$4 to \$15.

Forty styles of this watch are sold by all jewelers: A gem chatelaine for ladies (14-karat, filled, gold, or coin-silver), gentlemen's watches and boys' watches. Who in your family is "off the hinge?"

PATENTS!

MESSRS. MUNN & CO., in connection with the publication of the SCIENTIFIC AMERICAN, continue to examine improvements, and to act as Solicitors of Patents for Inventors.
In this line of business they have had forty-five years experience, and now have unexcelled facilities for the preparation of Patent Drawings, Specifications, and the prosecution of Applications for Patents in the United States, Canada, and Foreign Countries.

BALLS OF FIRE

hurled into the ranks of an army could not have created the excitement and dismay that our MURRAY \$55.95 BUGGY and \$5.95 HARNESS

have caused among the Buggy and Harness Manufacturers, Dealers and Agents throughout the United States. FOUR YEARS AGO we began selling our Murray Buggies and Harness direct to the consumer, barring out all Middlemen in the shape of the Dealer and the Agent, and giving to the consumers themselves the benefits of the immense profits heretofore squeezed and coaxed out of them by that class of men.



What has been the result of our four years' work in reforming the Buggy and Harness business of the country? The result is simply this--that to-day our name is a criterion of QUALITY and LOW PRICES. Our "MURRAY" Buggies and Harness are more widely used than any three makes in the whole country.

WE'VE OUR FIGHTING CLOTHES ON!
and from now and henceforth the war will be more bitter than ever. The support we have received from all parts of the country fully warrants us in saying that we have friends by the Hundreds of Thousands, and with their support, we will the coming season make a record that will even eclipse our past glorious success.

THE WILBER H. MURRAY MFG. CO., CINCINNATI, OHIO, ANNIHILATORS OF HIGH PRICES AND EXORBITANT PROFITS.



Prevents

Solves with great rapidity and absolute accuracy all arithmetical problems.

Saves

60% of time in doing the work.
And all the time looking for errors.

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have been for over thirty years the only strictly first-class valves on the market, and are to-day more popular than ever.

THE 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 Goggles! No Engineer! A perfectly safe Motor for all places and purposes.



FIRE-PROOF. Easily applied by anyone. Send for Samples and Descriptive Price List.
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H. W. Johns' Asbestos Fire and Water-Proof Sheathing, Building Felt, Steam Packings, Boiler Coverings, Liquid Paints, Roof Paints, Roof Cement, Fire-Proof Paints, etc.
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The Smith Premier Typewriter

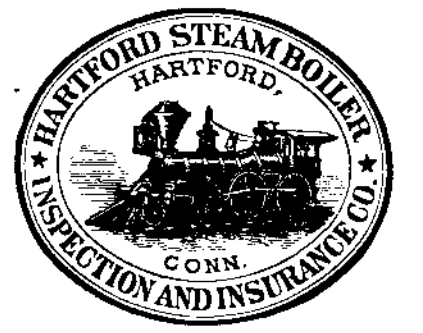
Embodies the most Progressive Mechanical Principles. All the Essential Features Greatly Perfected. Perfect and Permanent Alignment. Easiest Running, and Nearly Silent. All type cleaned in Ten Seconds without Soiling the Hands.
The Smith Premier Typewriter Co., Syracuse, N. Y., U. S. A.
We have 20 branch offices in the principal cities throughout the United States.

TO INVENTORS. An American wishes a new invention of merit for Europe. Has over 20 years experience abroad, large acquaintance, highest standing and capital. P.O. Box 2011, Boston, Mass.

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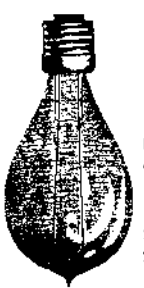
WATER POWER TO RENT. Day use of second best power in Michigan. Owned by city. Night use reserved for electric lighting. Good manufacturing interests seeking cheap water power, investigate. ELECTRIC LIGHT COMMISSIONERS, Marshall, Mich.

Delaney's Metallic Gaskets and Flanges make everlasting joints. Delaney's Expansion Packings for steam, water and ammonia are best and cheapest.
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NO BOILER. NO FIRE. NO DANGER. NO ENGINEER.
Engine operated by spark from small battery. You turn the Switch. Engine does the rest.
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