# **Garden Hose**

Rubber Belting **Steam Packing** Rubber Specialties

N. Y. BELTING & PACKING CO.

91 and 93 Chambers Street **NEW YORK** 

WRITE FOR CATALOGUE

### **EXCELSIOR AUTO CYCLE**



the cost of manuschance on the cost of manuschance of the cost of manuschance of the cost of accomplishment and shows you way, tells a story of accomplishment and shows you way, tells a story of accomplishment and shows you way, the cost of the c



## DECARBONIZER

INCREASES POWER 20 PER CENT Volatilizes carbon, in which form it passes the thru exhaust. In jury to metal impossible. Agents wanted in certain ocalities. Sample, quart can, \$1.50. Write to-day for particulars.

General Accumulator & Battery Co. 128 Second Street, Milwaukee, Wis,

## **Improved Combination Lathe**



for mechanics, model makers. experimenters and amateurs. Hollow steel spindle. The foot motion is of the improved grassbopper type. Circular saw has iron saw table perfectly adjusted Guide and slide move to and fro readily, and are always true to the saw. Slide may be set at any angle. \$45, \$50, \$55 and \$60.

A. J. WILKINSON & CO. Machinery, etc.

184-188 Washington St. BOSTON, MASS.



on a postal and get our 88-page Booklet

Montgomery & Co., 109 Fulton St., New York City



ponding a sketch and description may ertain our opinion free whether an sprobably patentable. Communication y condential. HANDBOK on Patents ideat agency for securing patents, aken through Munn & Co. receive e, without charge, in the

MUNN & CO. 361 Broadway, New York Branch Office, 625 F St., Washington, D. C.



### Howard The

watch for sixty years. Not that its price is exclusive, but because it is the finest practical time-piece in the world.

Men pay quite as much for other watches. That is the penalty of not knowing, The world at large is a careless buyer.

The HOWARD horologists make the finest Railroad watch in the world-certified by the time inspectors of a hundred and thirty leading roads. They are also putting out an extra-thin watch for general use: the first flat model

us. Not every jeweler can sell you a HOWARD. The Howard tradition is particular as to who

attached.

to achieve the HOWARD kind of time-keeping

A Howard is always worth what you pay for

it. The price of each watch-from the 17-jewel

in a fine gold-filled case guaranteed for 25 years,

at \$35, to the 23-jewel in a 14K solid gold case at

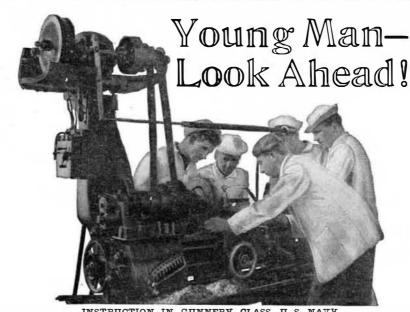
\$150 - is fixed at the factory, and a printed ticket

Find the Howard dealer in your locality and

talk to him. If you have any difficulty write to

Elbert Hubbard visited the home of the HOWARD Watch and wrote a book about it. If you'd like to read this little journey drop us a postal card—Dept. P—we'll be glad to send it to you. Also a little catalogue and price list, with illustrations actual size—of great value to the watch buyer.

E. HOWARD WATCH COMPANY, Boston, Mass.



INSTRUCTION IN GUNNERY CLASS, U.S. NAVY

Look four years ahead. Are you sure of being well started on your life work then—with your trade learned and your work waiting?

If you are not sure, consider the opportunity offered you by the Navy. You get there a thorough course of training and regular pay all the time.

If you have a trade, you will probably get higher pay to begin with, and, generally, quicker promotion. Musicians have the same advantages. If you are especially fitted for and desire to learn some particular trade, you can go through one of the technical schools. These schools are for electricians, musicians, clerks, machinists, artificers, cooks, bakers, and the Hospital Corps. The ambitious young man will find plenty of room for good work, and places higher up worth working to get.

The life at sea is fascinating giving you a chance to see something of the world. Every

places higher up worth working to get.

The life at sea is fascinating, giving you a chance to see something of the world. Every day you are learning practical things—work enough and sport enough to make life interesting. Healthful sports are encouraged. Ships have their baseball and football teams, rowing and sailing crews, track teams, minstrel troupes, etc.

The object of the Naval Service training is to make men strong (bodily and mentally), to make them quick, capable, and self-reliant. Don't you want such a training?

You can save money in the Navy. Your wages begin as soon as you enter. Your first uniform outfit, worth \$60, your lodging, board and medical care (if sick), are all given free. For this reason you are able to save more money than most men do working at home. Many a successful man has said that the hardest part of his climb was the saving of the first hundred dollars.

Only Americans over 17 years old, of good habits and sound health are accepted.

Only Americans over 17 years old, of good habits and sound health are accepted

If interested, write for a beautiful booklet which will tell you all the details of the life of a man-o-war's man: about the drills, the sports, the swinging hammock beds, the cruises, the promotions; the electrical, yeoman, artificers, machinists and musicians schools; the food, the daily duties, the furloughs—the exact truth about every detail. It is free. Write for it—now. Talk about the Navy with your friends. Two or three might join with you.

Bureau of Navigation, Box 39, Navy Department, Washington, D. C.

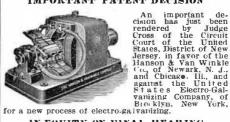
## ORDNANCE

1908 Model Lewis Depression Position Finder Address CHARLES M. DALLY, Ordnance Specialist, 29 Broadway, New York, U.S. A.

Cable Address CHASDALLY, NEW YORK

The leading weekly Engineering paper of the world, devoted to the interests of Civil, Mechanical Mining, and Electrical Engineers. 100 to 125 pages weekly. Send for free sample copy.

## COLD GALVANIZI

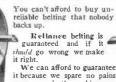


IN EQUITY ON FINAL HEARING

The Hanson & Van Winkle Co. took up this fight single handed some six years ago, and have conducted it at great expense, feeling confident of final success. This seems a particularly opportune time to call the attention of all those interested in galvanizing processes to the perfection to which the Hanson & Van Winkle Company has brought this art and to the fact that their salts and processes have now been authoritatively declared to be free and clear of infringement on this pattent, which had heretofore been asserted to be all-controlling. Whatever may be said of its validity as against others, as against the salts and processes of this company the patent is of no effect.

While the process of the Hanson & Van Winkle C. m. pany, as installed by their experts, is simple and inexpensive, their intention is to install at once in the larger cities outfirsh connection with their improved mechanical devices in order to show prospective users the advantage of their methods.

### BUY A Guaranteed LEATHER BELT



it because we spare no pains or expense in the making— We cut it from the choicest

We cut it from the choicest center stock of No. 1 Packer hides—no shoulders or belly—oak tanned by the long process.

Skilled hand labor and the most improved machinery combined to turn out a flawless product. For instance, currying, cutting and selecting—all particular work—is done by experts by hand.

Scarfing, feather edging, Joining are done by modern machines that work with infinitely greater exactness than the most practiced hand. But that's only a single one is many points that go to make the name

### RELIANCE

mean so much on a belt. We can't tell you all theothershere, but write

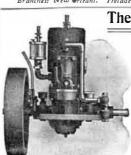
tell you all theothershere, but write us and we'll go into details and advise you what size and ply belt will do your work most effectively.

We also manufacture four other brands that are equally as good as Reliance for specific purposes.

Don't experiment with belts. No mill man or nanufacture can afford to. It means fearful loss before you get brough. Specify Reliance—the guaranteed belt—and save gedless expense and trouble.

Write for book today and learn more about Reliance

CHICAGO BELTING CO., 24 South Green Street, Chicago Branches: New Orleans. Philadelphia. Portland. Ore.



## The Cushman

'MOTOR OF MERIT" Honestly Built Honestly Sold

2,4,8,14 H.P. They are made for

the man who wants

CUSHMAN MOTOR COMPANY 2026 N. St., Lincoln, Neb., U. S. A.





### CATALOG

Showing more than 350 labor-saving tools and devices, all our own well-knowningke. Toolst hat are of interest to anyone whether carpenter, machinist or amateur. We should be flad to have you tell us that you would like one.

SENT FREE

GOODELL-PRATT CO., GREENFIELD, MASS.

# DRILLING

on wheels or on sills. With er Strong, simple and durable. WILLIAMS BROS., Ithaca. N. Y.

