

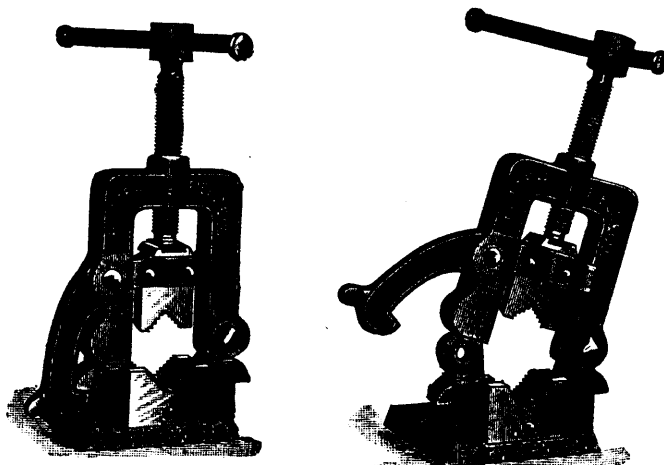
THE *Marine Review*, Cleveland, O., presents a double number and a colored lithograph supplement, representing one of the two finest passenger steamers traversing our great inland seas. Cleveland is perhaps the most important city on the lakes in the ship-building industry: and this being the fact it is not surprising that the appreciation of those interested in that industry of the *Review* should be demonstrated in a manner that has placed it among the foremost of American trade journals devoted to marine matters. The picture to which we allude which would be an ornament in any office, will be mailed in a protecting tube to any address on receipt of forty cents sent to the *Review*.

THE May issue of the *Southern States* magazine contains a number of interesting articles about North Carolina. Governor Elias Carr writes about the State in general, summarizing its resources and the present state of material development. Dr. H. B. Battle contributes an article on the climate of North Carolina, with illustrations representing characteristic climatic conditions. Prof. J. A. Holmes, writes about the mineral resources of the State. President George T. Winston, of the University of North Carolina contributes an article on education. W. W. Ashe, contributes a paper on the forest resources of the State. H. E. Harman, is the writer of an interesting article on tobacco culture, which is illustrated with views in tobacco fields and factories. The *Southern States* magazine is developing rapidly into a popular Southern monthly and shows much literary and artistic merit. Published by the *Manufacturers' Record Publishing Company*, Baltimore, Md., \$1.50 per year.

"FACTS ON CUT GLASS," is the title of a very beautifully illustrated pamphlet issued by the W. L. Libbey & Son Co., Toledo, Ohio, which gives a brief history of the manufacture of glass from very remote ages, describes the wonderful and important advancements made in the science of glass making and art of glass decoration, and tells of the plant the company have established at the World's Columbian Exposition at Chicago, where the industry in all its branches, will be, or is in active operation. This includes blowing, cutting, decorating, spinning, weaving, etc. This exhibit shows great enterprise on the part of the Libbey Company. Under ordinary circumstances a visit to a glass factory in the summer time is not an exceedingly comfortable one, the nature of the business being such as to cause the place to be quite warm. This has been overcome by an equipment of ventilation put in by the Bar-

ney Ventilating Fan Company, of Boston, Mass., by which at all times the temperature will be quite comfortable. If these fans will successfully remove heat from such an excessively hot place, they must be able to do first class work in the ventilation of public buildings, factories, etc.

BUTTERFIELD'S HINGED PIPE VISE.



SOME of the points of excellence of the Butterfield hinged pipe vise herewith illustrated, are: Simplicity and range of execution. The small size takes pipe up to 2½ inches, which more than covers a range of sizes taken by two sizes of some pipe vises. The steel jaws, which in pipe vises are the first parts to give out, are simple, and can be replaced at little cost. The parts are interchangeable. Easily attached to bench or plank. Light and strong. This vise will be introduced to the Canadian trade, by samples being sent to customers of the firm. For further information, apply to Butterfield and Co., Rock Island, Que.

Most manufacturers have had at times more or less annoyance arising from disagreeable odors existing in their goods, especially after being packed away for some time. The cause is not always easy to trace, neither is it easy to rectify, but generally it will be found to proceed from the use of a cheap oil or cheap soap. Then again some men in charge of washing the goods seem to think that a high temperature is necessary to saponify the oil, in order that it will rinse out easily and consequently leave the goods clean and free from smell. This is a mistake, for if the scouring liquor is higher than 120 degrees, the oil will be set in the goods, and never properly scoured out. The latter remark, it is to be understood, applies to goods which have been oiled with mineral oils particularly, but holds good also where lard or olive oils are used. A good lard oil is considered the best for woolen manufacturing, and many practical manufacturers use it now, even though it is higher priced than the compounded article. Oil stock with lard oil, be careful with regard to the temperature of scouring liquor, and above all use a good soap free from bad smell itself, rinse thoroughly after scouring, and the goods will dry bright and clear and will be free from the evil which has annoyed so many manufacturers.

A LONG FELT WANT!

A TYPE WRITER | Which does the Work
For \$20.00 | of the
\$100.00 Machines.

A Perfect Type Writer at a Low Price has long been a crying necessity.

The Odell Type Writer

Is a perfect machine in every particular, at the remarkably low price of

\$20.00

Head Office For Canada **ROOM 36 CANADA LIFE BUILDING**

J. W. RUTHERFORD, Manager.

THE MONARCH ECONOMIC BOILER

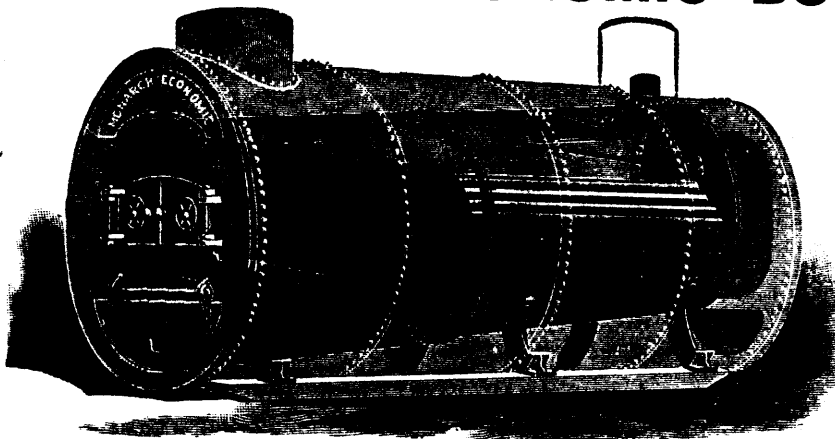
Patented Can., May 6, 1886; Feb. 10, 1887.

Patented U.S.A. Oct. 5, 1886; Aug. 23, 1887; May 8, 1888.

Is the strongest and most
Portable Boiler

In use, and its high economy in fuel makes it specially valuable to gold miners.

Tested evaporation 10.25 lbs. water per pound of ordinary Nova Scotia coal.



Manufacturers of
The Rob-Armstrong Automatic Engine

The Hercules Engine
(For all purposes).
Saw Mill, Electric Machinery

**BELTINGS
PACKINGS, OILS, Etc.**
ROBB ENGINEERING CO.

LIMITED
Successors to
A. ROBB & SONS
AMHERST, N.S.