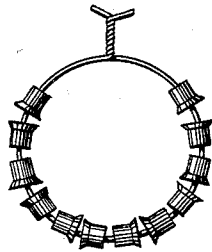


S. W. YOUNG.

EYELETS.

No. 176,115.

Patented April 11, 1876.



WITNESSES.

Walter R. Lincoln
J. T. Dick

INVENTOR.

Solomon W. Young

UNITED STATES PATENT OFFICE

SOLOMON W. YOUNG, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO THE
HOMOGENEOUS METAL MANUFACTURING COMPANY.

IMPROVEMENT IN EYELETS.

Specification forming part of Letters Patent No. **176,115**, dated April 11, 1876; application filed
February 24, 1876.

To all whom it may concern :

Be it known that I, SOLOMON W. YOUNG, of Providence, in the State of Rhode Island, have made certain new and useful Improvements in Eyelets; and I do hereby declare that the following specification, taken in connection with the drawing, making a part of the same, is a full, clear, and exact description thereof.

The drawing represents an eyelet.

My invention consists in taking a piece of steel and giving it the proper temper and rolling it very thin, after which it is presented to the dies and eyelets punched therefrom.

Eyelets made from steel stock are much lighter and tougher than those made from iron or soft metal. In the steel eyelet an equal or greater amount of strength is secured with a much less consumption of stock, and its thinness renders it capable of being set up much more easily and compactly.

I am aware that eyelets have been made from thin sheets of iron, and do not wish to be understood as claiming iron eyelets, my in-

vention being a steel eyelet, and I claim that there is a material difference between an iron and a steel eyelet, to wit: By the use of steel, which is a crystalline material, a much thinner and tougher plate can be used, and, owing to the fact that the crystalline particles can take new positions or change their relative positions under the pressure of the dies without affecting the strength or elasticity of the material, all danger of breakage is avoided, and a tougher, lighter, and stronger eyelet produced than can be made from iron, which is a fibrous material that loses its strength and elasticity when the fiber is disrupted or broken under pressure, and is therefore liable to break.

What I claim as my invention, and desire to secure by Letters Patent, is—

A steel eyelet, as a new article of manufacture.

SOLOMON W. YOUNG.

Witnesses:

WALTER B. VINCENT,
J. T. RICH.