

(No Model.)

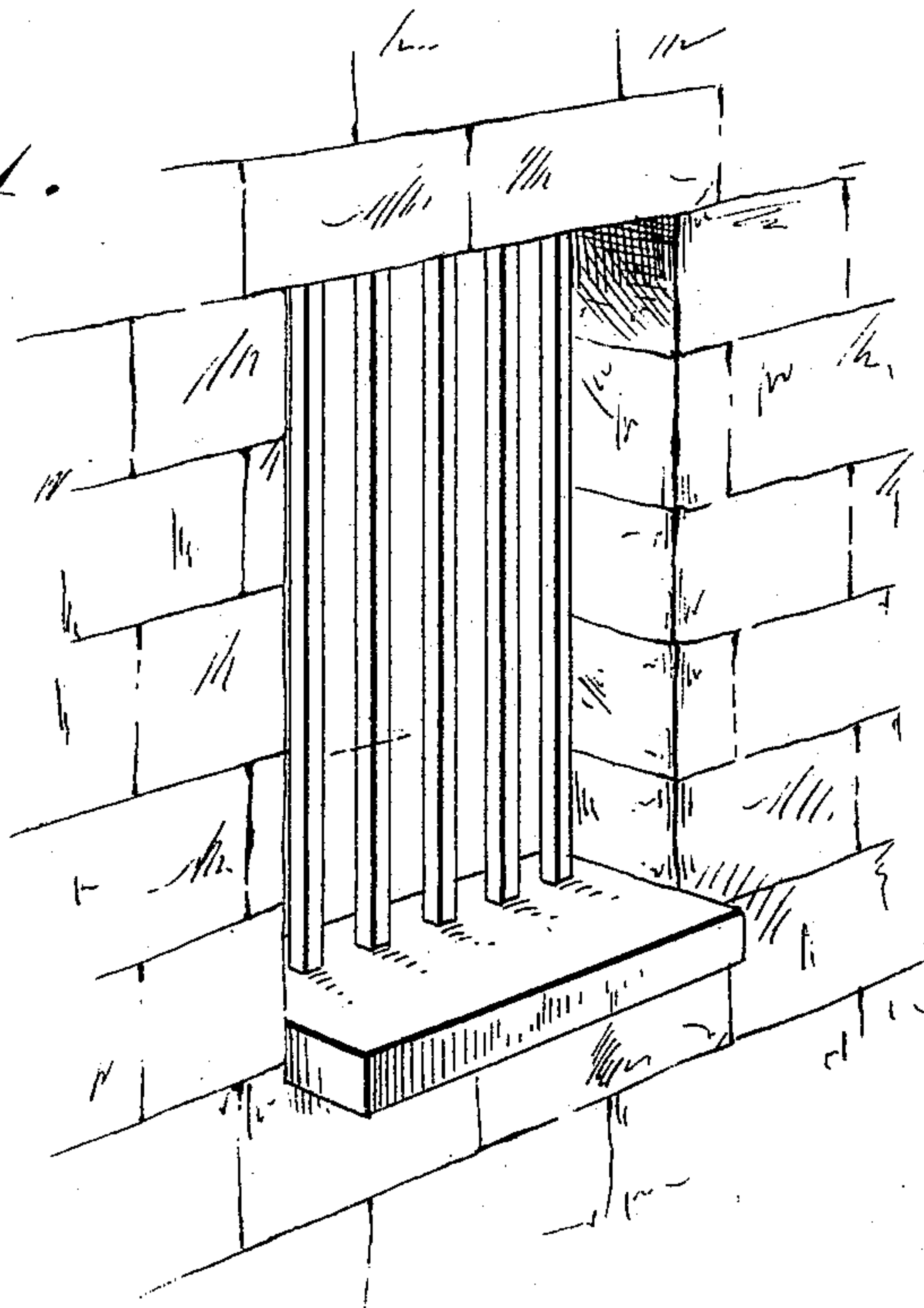
O. R. BUTLER.

BOLT, BAR, &c.

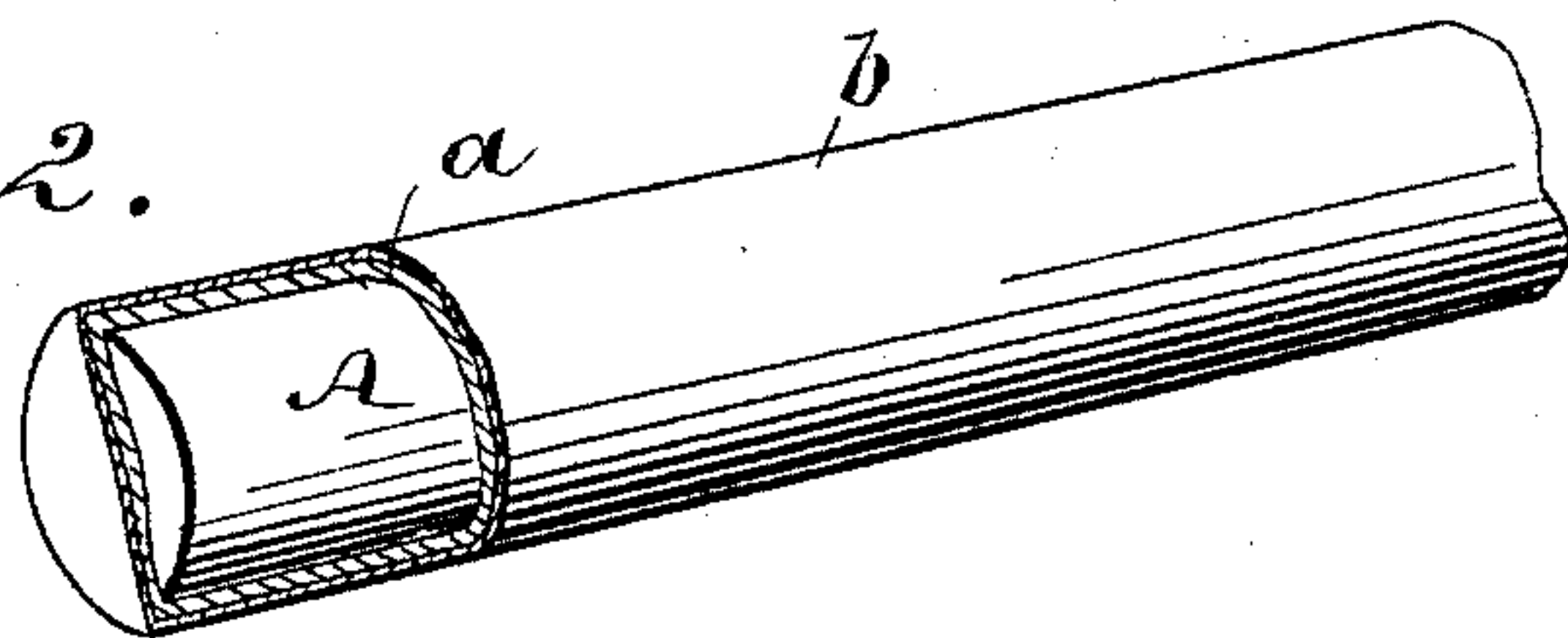
No. 391,879.

Patented Oct. 30, 1888.

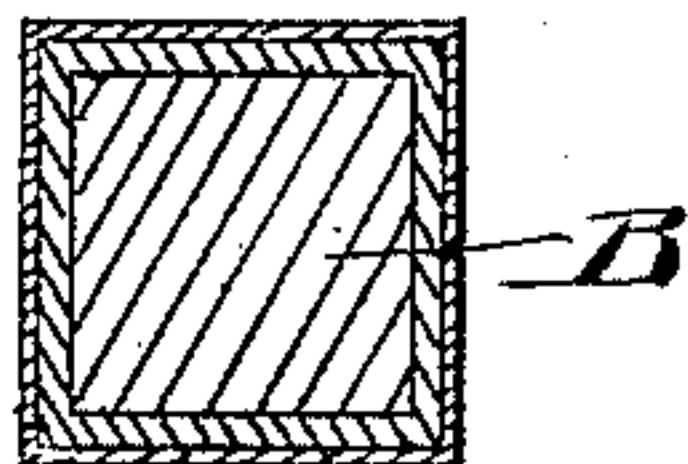
*Fig. 1.*



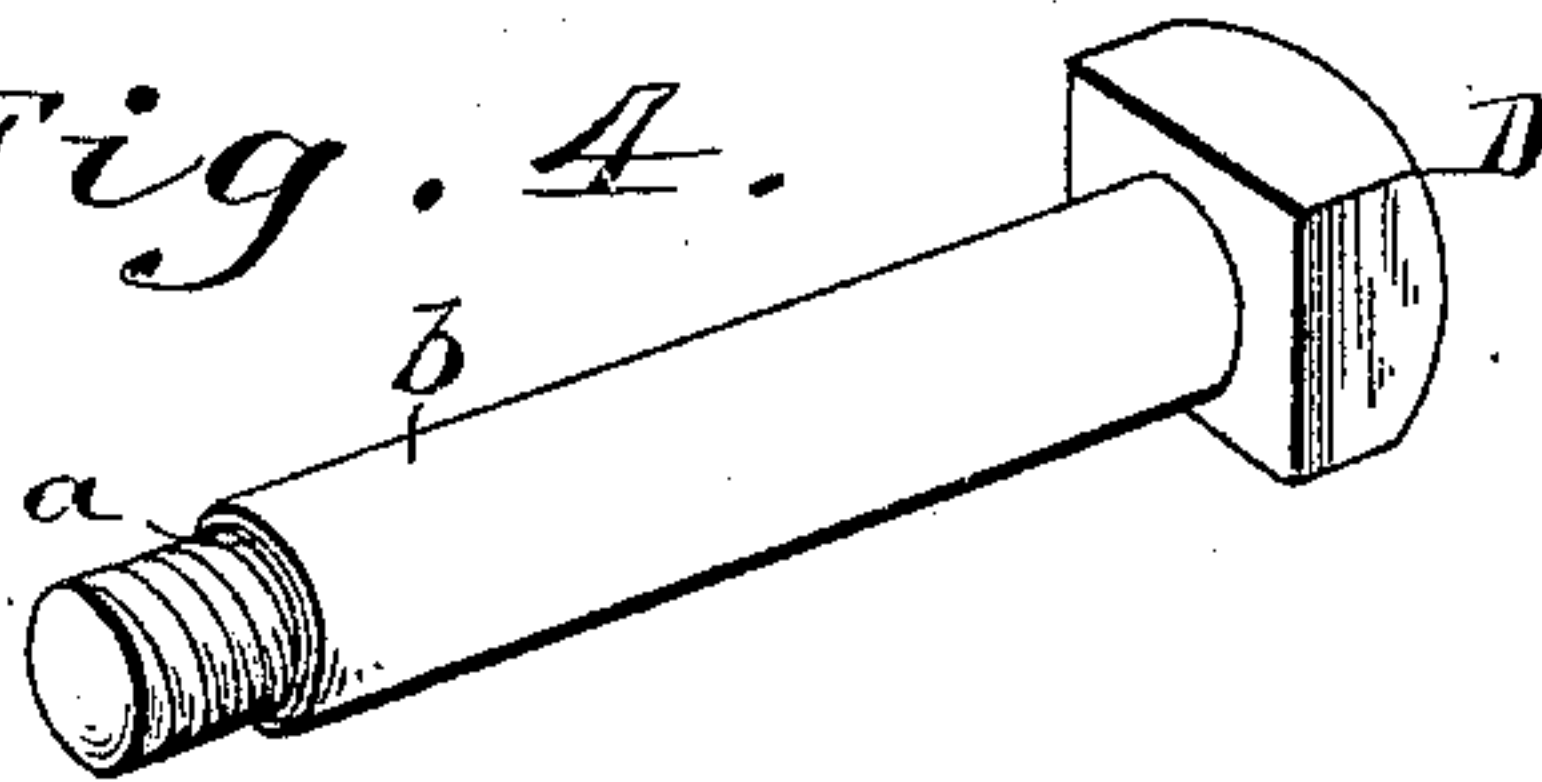
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



WITNESSES:

*John B. Deemer*  
*C. Bedgwick*

INVENTOR:

*O. R. Butler*  
BY *Munn & Co*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

OLIVER R. BUTLER, OF COOPERSTOWN, NEW YORK.

BOLT, BAR, &c.

SPECIFICATION forming part of Letters Patent No. 391,879, dated October 30, 1888.

Application filed June 4, 1888. Serial No. 276,007. (No model.)

*To all whom it may concern:*

Be it known that I, OLIVER R. BUTLER, of Cooperstown, in the county of Otsego and State of New York, have invented a new and  
5 useful Improvement in Bolts, Bars, &c., of which the following is a full, clear, and exact description.

My invention consists in applying to the ordinary bolts or bars used in prisons and  
10 other places an outside enamel or glaze of some hard substance similar to that used on what is called "agate-ware" or any other vitreous substance which will resist a saw or file. Over  
15 this is to be placed a sleeve or jacket of metal to protect the enamel, the object being to thwart all attempts to cut the bolts or bars.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate  
20 corresponding parts in all the figures.

Figure 1 illustrates one use of the bars made in accordance with my invention. Fig. 2 is a broken perspective of one end of a bolt made in accordance with my invention. Fig. 3 is  
25 an enlarged cross-section of one of the bars, and Fig. 4 is a perspective view of a common screw-bolt, having my invention applied thereto.

A represents a sliding bolt for a lock covered with a coating, *a*, of glazing or enamel.

Over this coating *a* is placed a metal sleeve or jacket, *b*, which protects the enamel. The bar B may be made square or of any form in cross-section and of any size and length. It is coated  
35 upon its outer surface with an enamel, *a*, the same as the bolt A, and over this is placed a jacket, *b*, of metal made in proper shape to fit snugly over the bar. The screw-bolt D is provided with a head at one end and is screw-threaded at the other. Between the screw-  
40 threads and the head is applied the enamel *a* and jacket *b*. The jacket is to protect the enamel from being cracked off by a blow. The enamel will resist the best tempered saw  
45 or file, so that when protected as described it is impossible to sever the bolt or bar by any cutting-instrument.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—  
50

As a new and improved article of manufacture, a bolt or bar having a coating of enamel or vitreous substance, in combination with a protecting sleeve or jacket, substantially as described.

OLIVER R. BUTLER.

Witnesses:

HENRY L. HINMAN,  
G. M. JARVIS.