

954,093.

J. A. GRAY.
METAL BAND.
APPLICATION FILED APR. 8, 1908.

Patented Apr. 5, 1910.

Fig. 1.

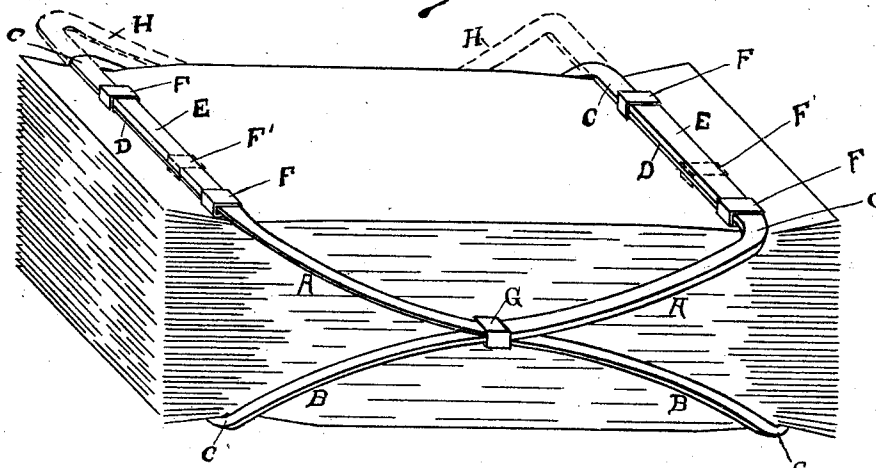


Fig. 2.

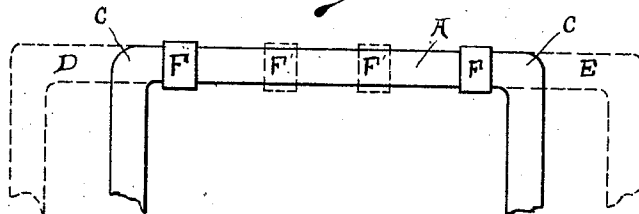


Fig. 3.

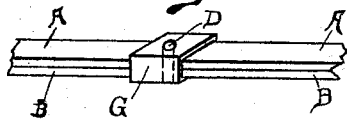
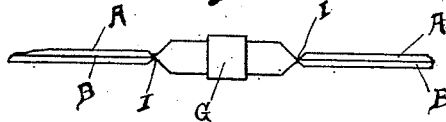


Fig. 4.



WITNESSES.

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JOSEPH A. GRAY, OF NORWALK, CONNECTICUT.

METAL BAND.

954,093.

Specification of Letters Patent.

Patented Apr. 5, 1910.

Application filed April 8, 1908. Serial No. 426,609.

To all whom it may concern:

Be it known that I, JOSEPH A. GRAY, a citizen of the United States, and a resident of Norwalk, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Metal Bands, of which the following is a specification.

In the drawing forming part of this specification, Figure 1 is a view in perspective, showing the metal bands as applied to a package. Fig. 2 is a plan view of the fastening device, or jaws of the metal bands. Fig. 3 is a view of a method of fastening the metal bands. Fig. 4 is a view of a modification.

The metal bands I make preferably of flat wire or, strips of metal, A. and B., are in shape rectangular frames, slightly rounded at the corners C. and are laid one upon the other, and firmly fastened together, in any desirable manner at G. Fig. 1, preferably by shrinking a piece of metal, or placing a ferrule around the bands at this point. F. and F. are strips of metal looped or ferrules fastened around the bands, to the upper and lower parts of the band A. respectively, with sufficient loop for the end of each half D. and E. to slide through, so they may be extended as indicated by the dotted lines H., when the loops will be at the point F', as each separate band frame is made of two parts which compose substantially a rectangle. They are so constructed as to enable them to be widened or narrowed as desired by simply pulling them apart and shoving them together. The loops interlock so as to prevent the parts from being entirely pulled apart. In this form when in

use the metal bands are in the form of an X, at the side of the package, with a piece running across laterally, which lateral connection can be shortened or lengthened at will, to the extent of one half.

Fig. 2, D. and E. shows the extension of the binding part of the metal band extended, and F' and F' the position of the loops when the metal bands are extended to their limit. In order to bring the binding ends more squarely and firmly upon the package, the bands are slightly curved as C. C.

I may, if desired, place a rivet through the metal bands to fasten them permanently, as D. Fig. 3.

I may, if desired, turn the metal bands at the place of permanent fastening, so they will lie flat against the side of the package F. G. I. Fig. 4.

What I claim and desire to secure by Letters Patent, is:—

1. A metal band consisting of two rectangular frames of spring metal of equal size laid squarely together and one fastened upon the other by a rigid fastening at the middle point of two opposite sides.

2. A metal band consisting of two metal frames laid squarely together and fastened one upon the other at points of two opposite sides; the frames being adjustable and adapted to be sprung apart from or near the points of fastening.

In testimony whereof I have hereunto set my hand this 6 day of April, 1908.

JOSEPH A. GRAY.

In presence of—

HORACE M. GRAY,
J. ALEX. GRAY.