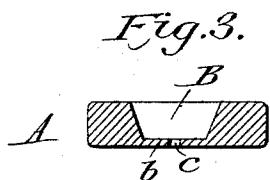
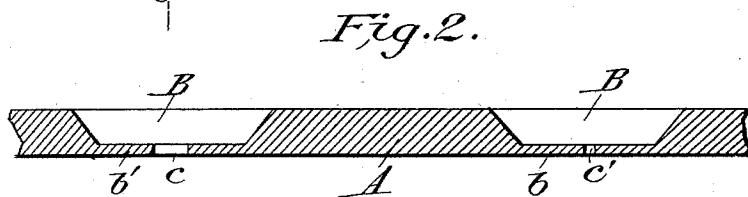
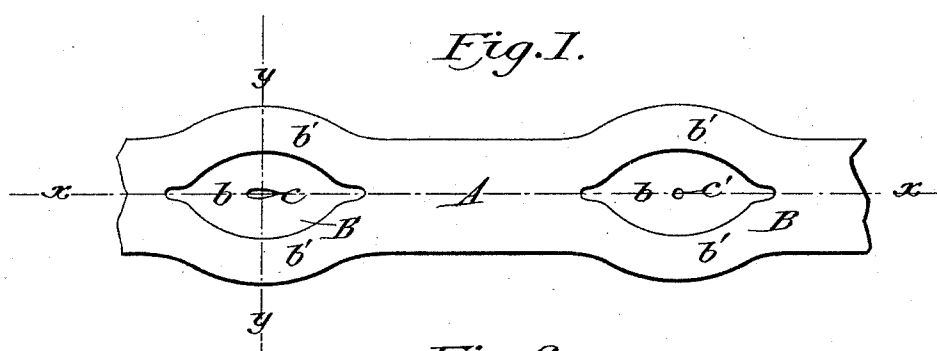


(No Model.)

S. C. CARY.
METAL BOX STRAP.

No. 485,150.

Patented Oct. 25, 1892.



Witnesses:

A. M. Long.

Jac. W. Johnson.

Inventor.

Spencer, C. Cary

UNITED STATES PATENT OFFICE.

SPENCER C. CARY, OF BALDWIN, ASSIGNOR TO WILLIAM H. VANDERBILT,
OF BROOKLYN, NEW YORK.

METAL BOX-STRAP.

SPECIFICATION forming part of Letters Patent No. 485,150, dated October 25, 1892.

Application filed May 31, 1892. Serial No. 435,117. (No model.)

To all whom it may concern:

Be it known that I, SPENCER C. CARY, a citizen of the United States, residing at Baldwin, county of Queens, State of New York, have invented certain new and useful Improvements in Metal Box-Straps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to metal box-straps, and particularly to those which are known as "narrow" or "light" box-straps; and my present invention is an improvement upon the metal box-straps shown and claimed in the application for Letters Patent by Charles L. Curtis, Serial No. 425,715, filed March 21, 1892.

My invention consists in a metal band of indefinite length which is recessed flatwise at intervals throughout its length, the bottoms of said recesses constituting webs, which are of a less thickness than the body of the band, and which said bottom webs have within their area a slit or puncture, substantially as and for the purpose hereinafter set forth.

Figure 1 is an enlarged plan of a box-strap containing my invention. Fig. 2 is a longitudinal vertical section of the same on the line *x x*, Fig. 1; and Fig. 3 is a lateral vertical section of the same on the line *y y*, Fig. 1.

The box-strap shown and described in the aforementioned application for Letters Patent consists in a metal band A, of indefinite length, which is recessed flatwise at intervals preferably uniform throughout its length, as shown at B, and desirably on that face of the band which is outermost or exposed when the band is applied to the box, the opposite face of the band being preferably a plane, as shown. The band thus has a metal web *b* at the bottom of each said recess, which web is of a less thickness than the body of the band and in which the body of the band at its edges on either side of each recess constitutes a thick rim, forming a seat or protection for the head of the fastening-nail in attaching

the band to a box. These depressions or recesses B are preferably elliptical in outline and with their side walls desirably dishing or inclined from the face of the band to the bottom web, and the band-body is preferably distended or rounded outwardly at the edges alongside the said recesses, as shown at *b'*.

My invention consists in providing a slight slit or puncture *c* through the web-bottom *b* of each recess, the said slit or puncture being formed within the area of said web and being surrounded by said web, as shown. The slit or puncture may be in the form shown at *c*, Fig. 1, which is a simple slit in the metal web, or it may be in the form of a small aperture, as shown at *c'*, Fig. 1.

The advantage arising from the described structure of the box-strap shown and described in the aforementioned application for Letters Patent is that while a metal band is produced which is continuous and imperforate throughout its length, and hence strong and durable for the purposes of its use, the nails employed to fasten it to a box may be driven through the webs *b* and seated in the recesses B; but in order to enable the driving of the nail to be satisfactorily and easily accomplished and to attain the seating of the nails centrally in the recesses, so as not to render the same liable to strain or crack and so weaken the band laterally by the forcing of the nail more closely to one side wall of the recess than the other, the webs *b* have to be made quite thin and considerable care and skill have to be exercised in locating the nails at the center of the recesses and in driving them home.

By means of my described improvement the webs *b* may be made comparatively thick, thus adding to the longitudinal and lateral strength of the band, and the slit or puncture being located in the center of the bottom web of each recess the fastening-nails can be readily inserted pointwise in the slit or puncture *c*, and when driven home will be seated centrally in the recess, while at the same

time the substantial continuity of the band, owing to the bottom webs *b*, will not be impaired.

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

A box-strap composed of a metal band of indefinite length which is recessed flatwise at intervals throughout its length, the bottoms of said recesses constituting webs which

are of a less thickness than the body of the band, and which said bottom webs have, respectively, within their area a slit or puncture, substantially as and for the purpose set forth.

SPENCER C. CARY.

Witnesses:

A. S. FITCH,

A. T. FALES.