A. BEDFORD.

STRAP ATTACHMENT.

No. 68,341. Patented Sept. 3, 1867.

Fig. 1.

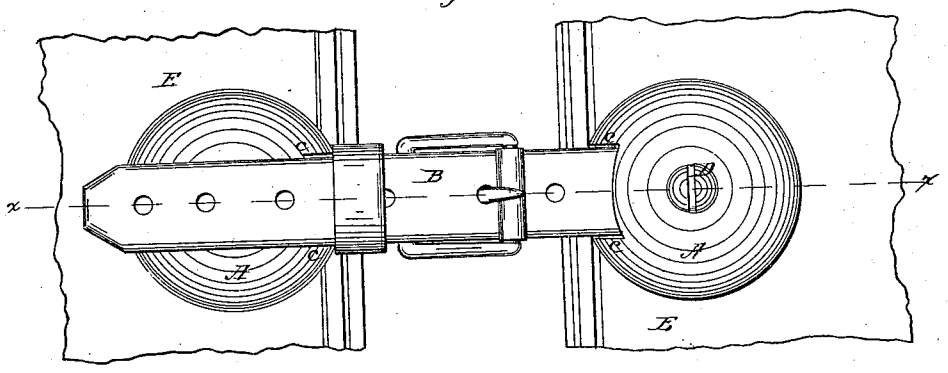
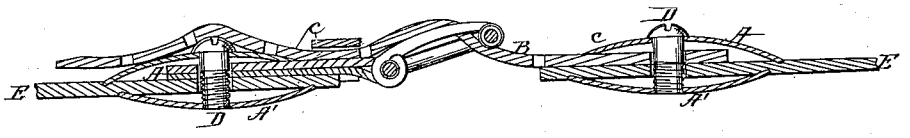


Fig. 2.



Witnesses

H. H. Young

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ALMA BEDFORD, OF COLDWATER, MICHIGAN.

Letters Patent No. 68,341, *dated September* 3, 1867; *antedated August* 25, 1867.

IMPROVED STRAP-ATTACHMENT.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ALMA BEDFORD, of the city of Coldwater, in the county of Branch, and State of Michigan, have invented a new and improved Device for Attaching Straps, &c., to Leather, Cloth, or other textile or pliable material, as heretofore briefly described in a caveat which I filed in the United States Patent Office on the 22d day of January, 1866; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of straps secured by means of my invention to the edges of blankets.

Figure 2, a section through the line *x x* of fig. 1.

Similar letters indicate like parts in all the figures.

The nature of my invention consists in the use of disks or plates of unequal diameters or dimensions, one or both of which are made concave, or with upturned edges, and which are to be drawn together by means of a central screw for the purpose of clamping between them any pliable fabric or material, and affording thereby a secure fastening or hold for a strap or other device combined with said plates and screw. The strap may be combined with the plates and screw either by causing the screw to pass through the strap or by securing the latter to either of the plates by rivets or other devices.

I prefer to cast, stamp, or swage my fastening-clamps A A′ of metal, into a circular concavo-convex form, as illustrated in figs. 1 and 2 of the drawings, making them in pairs of unequal diameters. A simple aperture is formed centrally through one of the concavo-convex plates in each pair, and the other is provided with a corresponding central screw-threaded aperture. Where leather straps (B) are to be secured by means of these clamping-plates, the rim of the upper or larger plate A is recessed or cut away, as at *c*, figs. 1 and 2, to a depth at least equal to the thickness of the strap B, to allow it to pass freely under said plate. The strap in such case is pierced with a hole near its end to receive the screw securing the plates together, which thus serves also to hold the strap. In using the clamping-plates A A′, they are placed opposite each other upon the two sides of the fabric E, with their concave sides inward, (as seen in fig. 2,) and a screw, D, is inserted through the simple aperture in the one plate, A, and passing through the fabric E and the hole in the strap B, is then screwed into the threaded aperture of the opposite plate, A′. By this means the two plates are clamped tightly together upon the cloth, and their unequal diameters cause them to bite the same, and thus take a firm hold thereof without injury thereto.

If the strap or other device to be fastened upon the fabric be yielding in its nature, the edge of the upper plate need not be cut away, (as at *c*, figs. 1 and 2,) as for a leather strap, but may bind thereon, and thus hold it without the aid of the screw D, in the manner illustrated. Although I pefer to use circular plates, they may be made elliptical or rectangular, or otherwise polygonal in outline.

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

My improved fastening device, consisting of a clamping-plate, made concave or with an upturned edge, combined by means of a central, independent screw with an opposite plate of smaller diameter or dimension, the whole arranged and operating substantially in the manner and for the purpose herein set forth.

ALMA BEDFORD.

Witnesses:

J. H. GRAY,

D. THOMPSON.