

H. BEALS.

Improvement in Fastenings for Leather.

No. 130,181.

Patented Aug. 6, 1872.

Fig. 1.



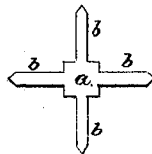
Fig. 2.



Fig. 3.



Fig. 4.



Witnesses.

Geo. Gray
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UNITED STATES PATENT OFFICE.

HORACE BEALS, OF EAST STOUGHTON, MASSACHUSETTS.

IMPROVEMENT IN FASTENINGS FOR LEATHER.

Specification forming part of Letters Patent No. **130,181**, dated August 6, 1872.

To all whom it may concern:

Be it known that I, HORACE BEALS, of East Stoughton, in the county of Norfolk and State of Massachusetts, have invented an Improved Metallic Fastener, or device for securing two or more pieces of leather at their points of junction; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, in which—

Figure 1 denotes a side elevation, Fig. 2 a top view, and Fig. 3 a bottom view of a fastener constructed in accordance with my invention. Fig. 4 is a view of the fastener-blank as it appears when struck from a sheet of metal.

All of the said figures are drawn on an enlarged scale to more clearly exhibit the invention.

In the said drawing, *a* denotes the head of the fastener; *b b b b*, the arms or shank thereof.

My present invention may be said to be an improvement upon that for which Letters Patent were granted to me on the 26th day of March, 1872, its object being to produce a fastener which shall not only be stronger and more easily made, but one which shall be better adapted to receive the upsetting-tool, and be upset thereby, than my said patented fastener; and my invention consists in making or stamping out the said device from a single plate of metal, and of the form as shown in Fig. 4, and subsequently bending or swaging the arm thereof in the peculiar manner hereinafter described, so as to constitute a shank to enter a single hole made through the leather or material, and be readily "upset" by means of a compressor or "upsetter." In carrying out my invention or making the said device, I take a sheet of brass or other metal of the requisite thickness, and, by means of a

cutter or die of the desired shape, cut or stamp out a blank to form the device of the shape as shown in Fig. 4—that is, with a head and four arms projecting from the sides of the head. Each pair of the said arms is next bent inward and so as to lap upon the face of the head, but are not brought together so as to abut against each other, an area or space being left between them equal to the width of the arms. Each pair of the arms is next bent at a right angle, in plane of the head, and so that the edges of the several arms shall abut and form a hollow shank of a square or rectangular shape, as shown in Fig. 3. The lower ends of the arms are made sharp or beveled, in order to be more readily embedded in the leather when "upset."

The above-described peculiar construction of the arms enables the upsetter to readily enter between them and upset them upon the leather.

I would remark that it is evident that a fastener could be made with three arms, but such does not produce so good results as that made with four, as described.

I do not claim broadly a metallic fastener for securing two pieces of an article or two articles together, irrespective of its construction, as I am aware that such is not new.

What I claim as my invention is as follows:

I claim, as an improved article of manufacture, the said metallic fastener, as stamped from a single piece of metal, with the head *a* and arms *b b b b* formed, bent, and swaged into the shape as described and shown, and for the purpose set forth.

HORACE BEALS.

Witnesses:

F. P. HALE,
F. C. HALE.