

J. H. BEAN.
Shank-Lasters.

No. 148,801.

Patented March 24, 1874.

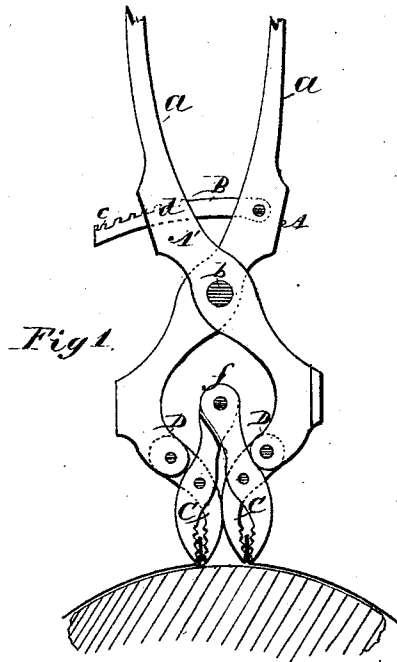


Fig 1.



Fig 2.

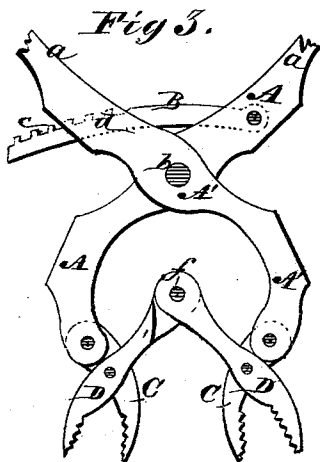


Fig 3.

Witnesses;
H. C. Clark.
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Inventor.
Joseph H. Bean
by L. J. Beale & Co. Attys.

UNITED STATES PATENT OFFICE.

JOSEPH H. BEAN, OF CINCINNATI, OHIO.

IMPROVEMENT IN SHANK-LASTERS.

Specification forming part of Letters Patent No. **148,801**, dated March 24, 1874; application filed August 25, 1873.

To all whom it may concern:

Be it known that I, JOSEPH H. BEAN, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Shank-Lasters; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

My device is intended for grasping the leather on both sides of the last with a positive motion, and for drawing it over and partially around the last, and for holding it in such position in a more convenient manner; and my invention therein consists in the construction and arrangement of the grasping-jaws and their operative mechanism, and in the means employed for clamping or holding the same in position, all as more fully hereinafter explained.

In order to enable those skilled in the art to construct and use my contrivance, I proceed to describe the same in connection with the drawings belonging hereto, in which—

Figure 1 is a front view of my shank-laster with the jaws closed and grasping; Fig. 2, a side view of the same, and Fig. 3 a front view with the jaws extended and open before grasping.

Like letters denote similar parts in each figure.

In my contrivance are two lower similar parts, A A', having handles *a*, suitable for grasping, and properly pivoted together at the point marked *b*. To one of these parts A is pivoted, centrally, a curved rack-bar, B, with teeth *c* inclined inwardly, which passes through a slot, *d*, in the corresponding part A', which slot is provided upon its lower outside with a suitable stop, *e*, which engages with the teeth of the rack-bar, and holds the

handles from separation, while it allows freedom of movement in closing them together. To the tops of each of the parts A A' is one part, C, of the grasping-jaws, and to each of these jaws again the other grasping-jaws, D, are pivoted. These jaws D, extending below the point where they are pivoted to the jaws C, have their lower ends *f* pivoted together. It follows that when the handles are separated, the grasping-jaws C D are extended upwardly and outwardly, and opened. When the handles commence closing together, the grasping-jaws first move upwardly and outwardly a little, and at the same time close and grasp the leather. Upon closing the handles together, the jaws draw inwardly and downwardly, drawing the leather with them, and when this is done sufficiently, the handles are released, and the rack-bar holds them in place.

The great advantage of this contrivance is, that it grasps the leather with a positive motion, and will not slip or fail to seize and hold, and that it requires no manipulation to clamp the handles in the desired position, as it acts automatically in this particular.

Having thus described the construction of my shank-laster, its manner of operation, and some of its advantages, what I claim as new therein, and my own invention, is—

1. The combination of the parts A A' with the grasping-jaws C D, constructed and arranged substantially as set forth.

2. In combination with the parts A and jaws C D, the rack-bar B, constructed substantially as and for the purpose set forth.

This specification signed and witnessed this 20th day of August, 1873.

JOSEPH H. BEAN.

Witnesses:

I. H. MARTIN,

J. W. SEWELL.