

(No Model.)

J. DALPÉ.

NIPPER JAWS FOR LASTING MACHINES.

No. 536,780.

Patented Apr. 2, 1895.

Fig. 1.

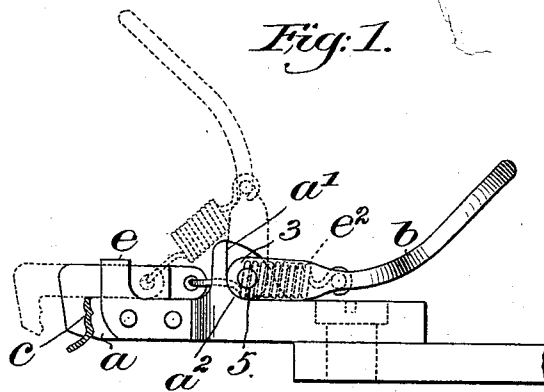


Fig. 2.

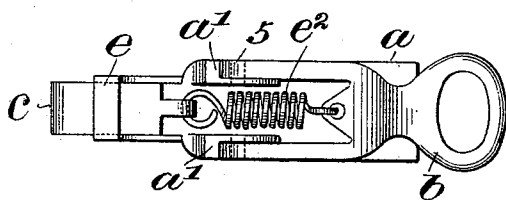
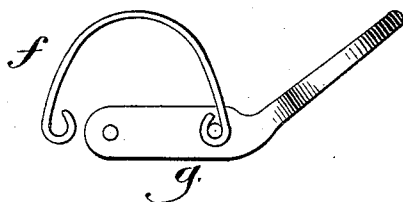


Fig. 3.



Witnesses:

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JACOB DALPÉ, OF NATICK, MASSACHUSETTS.

NIPPER-JAW FOR LASTING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 536,780, dated April 2, 1895.

Application filed February 23, 1894. Serial No. 501,260. (No model.)

To all whom it may concern:

Be it known that I, JACOB DALPÉ, of Natick, county of Middlesex, State of Massachusetts, have invented an Improvement in Nipper-Jaws for Lasting-Machines, of which the following description, in connection with the accompanying drawings, is a specification, like letters and figures on the drawings representing like parts.

This invention has for its object to improve and simplify the nipper jaws, which, in lasting machines are employed to grasp and hold the edge of the upper while the latter is being stretched and fitted to the last, such jaws being common to the so-called Chase lasting machine. See United States Patent No. 337,924, dated March 16, 1886.

Prior to my invention, the movable member of the nipper jaw has been reciprocated to close and open the jaw to grasp and release the upper, by means of a lever and a substantially semicircular link made of sheet steel, one end of the link being connected by a pivot pin to the movable member, the other end of the link being joined by a pivot pin to a lever which is mounted at its end on a third pivot pin, the lever having its bearing on the center of the pin between its end supports. In practice, the pin referred to, constituting the fulcrum for the lever, soon wears, and the hole in the lever at the pin also wears, to the injury of the operation of the jaws; and further, the semicircular link stands up in the way of the operator and interferes very considerably with the quick and easy movement of the tack driver.

In accordance with my invention, and to overcome the objections above stated, I have devised a new form of bifurcated lever, and have mounted it in such manner that the two arms at its inner end take bearings in concave seats, so that the pin, forming the center of motion of the lever, is not subjected to any strain when closing the nipper jaws and holding them closed, and consequently said pin is not worn; and by bifurcating the lever, as herein shown, I am enabled to employ a spiral spring as a connecting device between the lever and the movable jaw, said spring occupying a position between the arms

of the lever so that it is not in the way of the tack driving mechanism.

Figure 1 in side elevation represents one of my improved nipper jaws; Fig. 2, a top or plan view thereof; and Fig. 3 shows the spring and lever heretofore used in connection with nipper jaws.

The nipper jaw shown in Figs. 1 and 2 is composed of a stationary member *a* having uprights *a'*, *a'*, separated one from the other and provided with concave lever-seats *a²* on or against which rest and move the rounded inner ends 3 of the lever *b* bifurcated, as best shown in Fig. 2, suitable short pins 5, 5, serving to connect said lever with said uprights so as to prevent said lever from being disconnected from the nipper jaws.

The upper member *c* of the nipper jaw has its shank extended under or through a loop or bridge *e* attached to the under jaw. The upper member *c* is connected by the spiral spring *e²* to a projection of the lever *b*, and when the lever is in its full line position Fig. 1,—the jaw then holding the leather,—said spring lies flat in the space between the forked end of the lever, and is entirely out of the way of the operator and of the tack-driving tool.

When the lever is turned to close the jaws, the inner rounded ends thereof turn in the seats and the lever has consequently a strong, firm and durable seat.

Fig. 3 shows the spring *f* and lever *g* which my improved spring and link are to replace.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A nipper-jaw for lasting machines, comprising a fixed member having the uprights *a'*, *a'*, arranged upon opposite sides of said member and having the concave seats *a²*, *a²*, the bifurcated lever *b* having rounded ends to its arms fitted to said concave seats and pinned to said uprights, a movable member, and a yielding connection between said lever and movable member, substantially as described.

2. A nipper-jaw for lasting machines, comprising a fixed member having the uprights *a'*, *a'*, arranged upon opposite sides of said member and having the concave seats *a²*, *a²*,

the bifurcated lever *b* having rounded ends to
its arms fitted to said concave seats and
pinned to said uprights, a movable member,
and a coiled spring arranged between the
5 arms of the lever and connecting said lever
and the movable member of the jaw, substan-
tially as described.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

JACOB DALPÉ.

Witnesses:

GEO. W. GREGORY,
M. J. SHERIDAN.