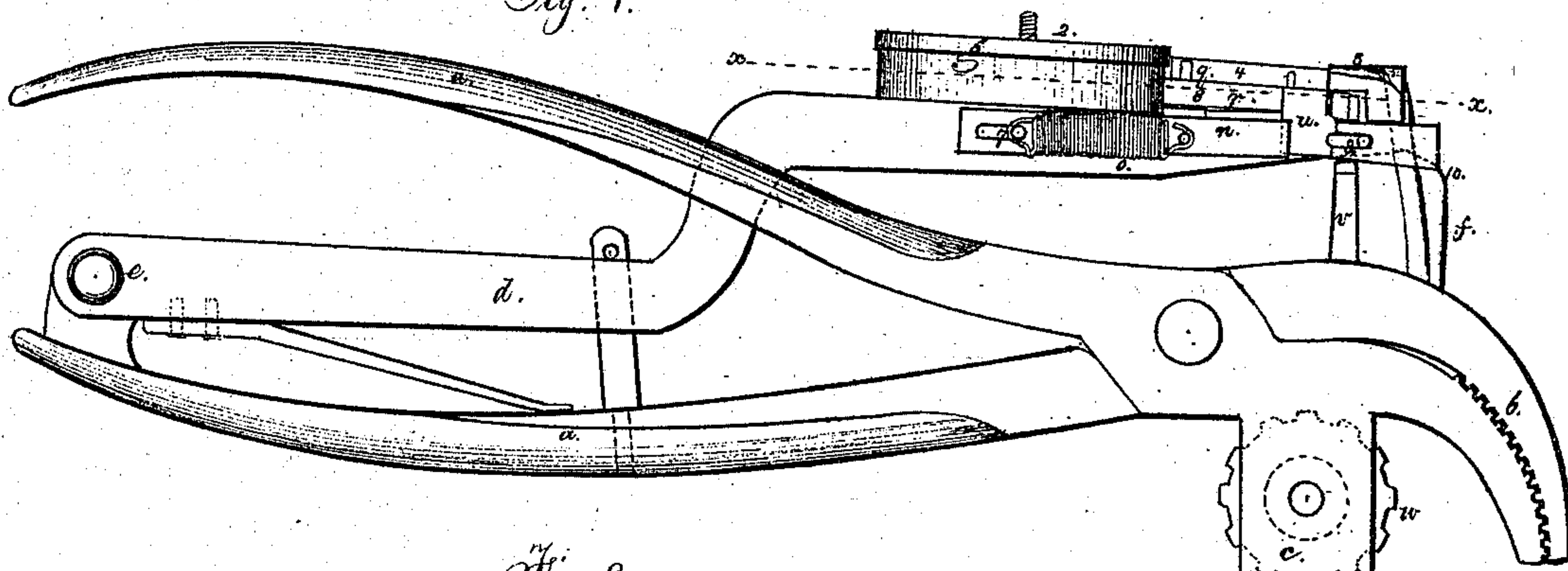
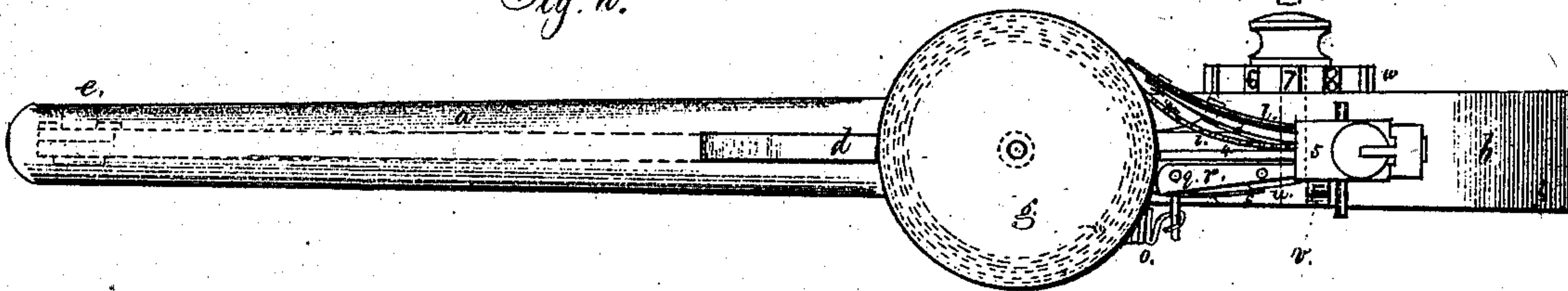


*F. O. Chaplin,*  
*Nail & Peg Driver.*  
*No. 98030.      Patented Dec. 21. 1869.*

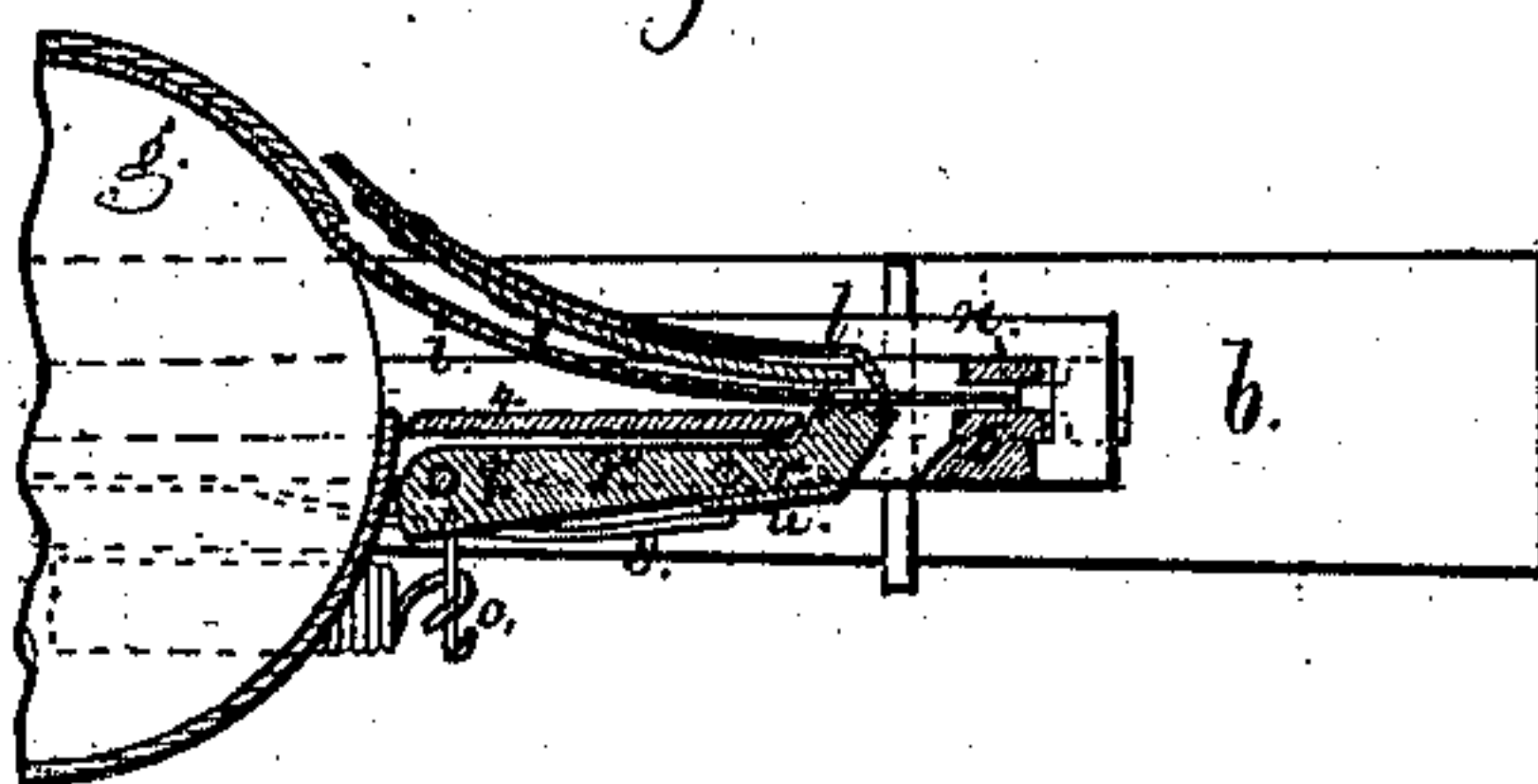
*Fig. 1.*



*Fig. 2.*



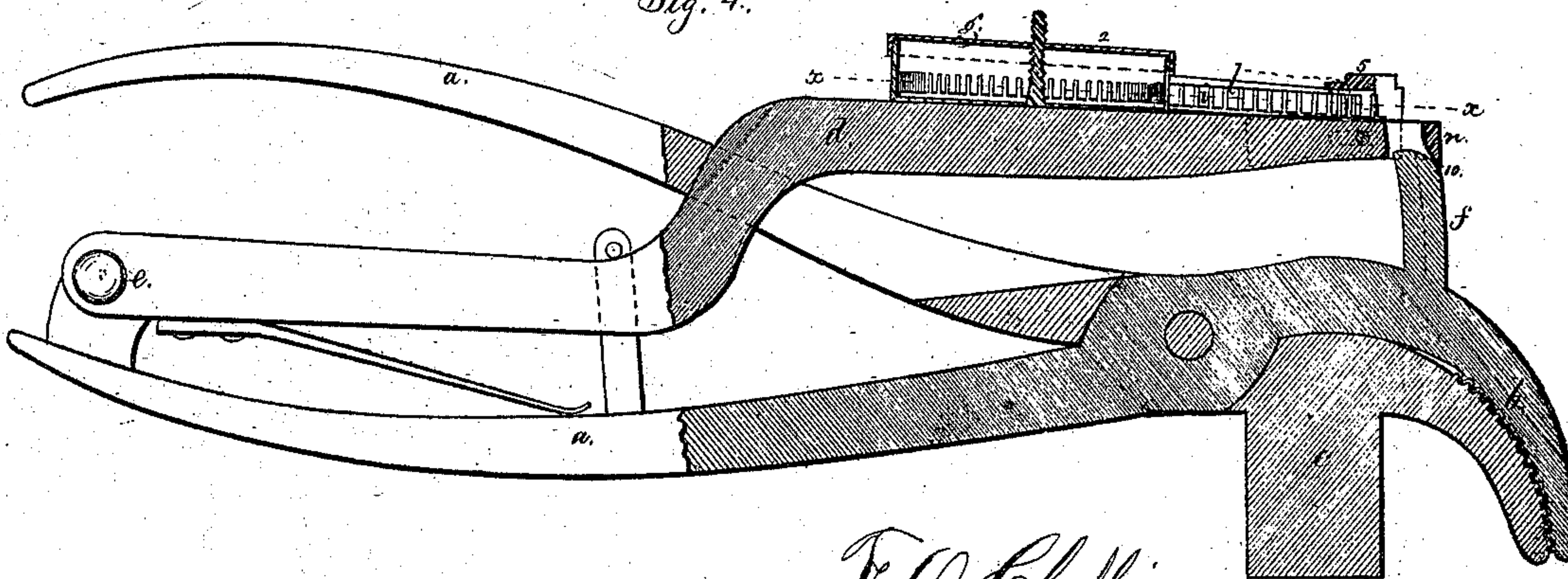
*Fig. 3.*



*Witnessed.*

*Geo. D. Walker*  
*Chas. H. Smith*

*Fig. 4.*



*F. O. Chaplin*



# United States Patent Office.

FRANK O. CLAFLIN, OF NEW YORK, N. Y.

Letters Patent No. 98,030, dated December 21, 1869; antedated December 18, 1869.

## IMPROVED NAIL AND PEG-DRIVER

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, FRANK O. CLAFLIN, of the city and State of New York, have invented and made a new and useful Improvement in Nail and Peg-Drivers; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a side view of said nail-driver;

Figure 2 is a plan of the same;

Figure 3 is a horizontal section, at the line *x x*; and

Figure 4 is a vertical section, at the centre of the nail-driving punch.

Similar marks of reference denote the same parts.

This invention is primarily intended for driving small nails or pegs, in lasting boots and shoes, but the same might be used for other characters of work.

I have shown the improvement as applied to a pair of lasting-pincers, but it might be made separately.

My invention consists in a driving-punch that also acts to separate the nail that is driven from a range or series of connected nails forming a strip, in combination with a feeding and holding-mechanism that rests against the surface, while the continuation of the movement causes the punch to drive the nail, whereby the apparatus is manipulated the same as a hammer, and when the blow is struck upon the surface into which the nail is to be driven, the portion of the apparatus carrying the strip of nails is arrested, and the punch, continuing its movement, cuts off the end nail and drives it.

In Letters Patent, granted April 27, A. D. 1869, numbered 89,467, a tack-driver is represented in combination with lasting-pincers.

The present invention is a modification of the device patented as aforesaid, and relates especially to lasting-pincers, but it may be used for driving tacks, nails, or pegs, separately from the lasting-pincers.

In the drawing—

*a* represents the handles, *b* the pincers, and *c* the hammer of an ordinary pair of lasting-pincers;

*d* is an arm, hinged at *e*, and carrying the feeding and holding-devices; and

*f* is the punch, attached to the head of the hammer, pincers, or other device carrying the parts.

The coil of pegs or nails properly prepared is introduced in the holder *g*, and retained by a cap, 2.

The strip of pegs passes out, as seen at *i*, into a channel above the arm *d*, formed by the converging plates 3 4, that lead the nails in beneath the die 5, that is attached upon the end of *d*, and has a trans-

verse groove for the punch *f*, so that the parts swinging upon *e* may move over said punch *f*, or the punch *f* move through said groove.

This groove terminates at the end of the nail-channel, and the feeding-device carries the strip, so that one nail is projected into that groove with the head of the nail, or the connection to the next, to form the strip next to the arm *d*, so that a blow of the apparatus, by turning it over and striking the die 5 upon the surface to be nailed, will break or cut off the nail, and drive it out of said transverse groove into the leather or other material.

The spring *l* catches in between the nails, preventing the strip drawing back, and the slide *n* feeds the same forward.

This slide *n* partially encloses the end of *d*; it is drawn back by the spring *o*, and guided on the pins 7 and 8; it also carries the pawl *r*, on the fulcrum *q*; and *s* is a spring for said pawl.

The ends of this pawl are notched, to take the nails and move the strip along, and motion is given to the slide, as the blow is struck, by the cam-incline 10 on *f*.

I provide a plate, *u*, on the side of the pawl *r*, and a stationary stud, *v*, so as to prevent the pawl jumping back out of the openings between the nails, as the blow is given, and thereby I insure the proper feed of the nail and the holding of the strip as the nail is cut off and driven.

Upon the side of the lasting-pincers I place a number-wheel, *w*, attached by a clamping-screw. The numbers correspond with the size-marks for the boots or shoes, so that the parts of such boots or shoes may be stamped with the proper number with great facility.

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

1. The punch *f*, in combination with the swinging arm *d*, and mechanism for presenting to the punch one nail or peg to be driven, substantially as set forth.

2. The arrangement of the slide *n*, pawl *r*, die 5, and punch *f*, substantially as and for the purposes set forth.

3. The combination of a wheel with size-marks with lasting-pincers, substantially as set forth.

In witness whereof, I have hereunto set my signature, this 22d day of May, A. D. 1869.

F. O. CLAFLIN.

Witnesses:

CHAS. H. SMITH,  
GEO. T. PINCKNEY.