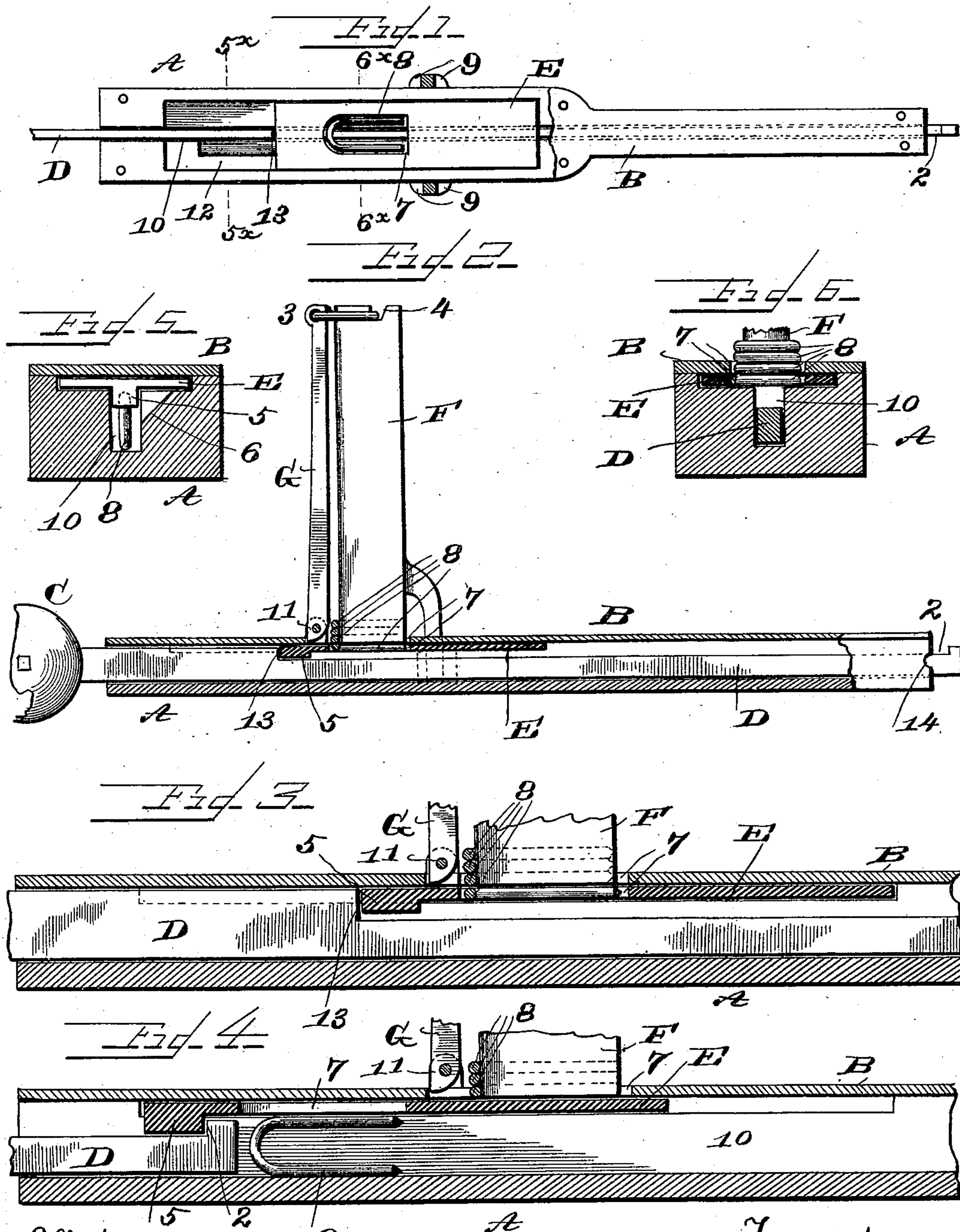


(No Model.)

J. R. KLINE.
STAPLE DRIVER.

No. 547,756.

Patented Oct. 8, 1895.



2 Witnesses.

J. D. Kingsbury

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UNITED STATES PATENT OFFICE.

JOHN R. KLINE, OF CLAYTON, OHIO, ASSIGNOR OF ONE-HALF TO ALLEN FETTERS, OF SAME PLACE.

STAPLE-DRIVER.

SPECIFICATION forming part of Letters Patent No. 547,756, dated October 8, 1895.

Application filed June 19, 1895. Serial No. 553,278. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. KLINE, a citizen of the United States, residing at Clayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Staple-Drivers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in staple-drivers, the use being to carry a piece of wire bent in the form of a staple over a wire-fence runner and through a suitable stay of either iron or wood. The object is to carry the wire thus formed to the proper position, and when so situated to fasten the same by twisting the ends by any convenient means, and thereby secure the stay to the runner.

The device is illustrated in the accompanying drawings, in which—

Figure 1 is a top plan. Fig. 2 is a central longitudinal section partly in elevation. Fig. 3 is an enlarged section showing sliding plate in position to receive the staple. Fig. 4 is a similar view showing the staple in the slot. Fig. 5 is a cross-section on line 5^x, Fig. 1. Fig. 6 is a similar view on line 6^x, Fig. 1.

Like letters and numerals designate like parts throughout the several views.

The frame A has the channel 10 extending its whole length, and at 12 the side of said channel is chamfered to admit of the staple changing its position from the horizontal to the vertical. On both sides are the lugs 9, which support the guide F and on which are placed a series of wire staples. At 8, Fig. 1, one of these is shown in position. The position is also shown in Fig. 2. The plate B covers the entire top with the exception of the opening 7, large enough to let the staples drop through. This plate is provided with

the ears 11, to which the locking-arm G is pivoted. The loop 3 is secured to the top, and this loop drops into the notch 4 of the guide to stay it in position. In a recess in the top of the frame is held the freely-sliding feed-plate E. This plate is about the thickness of the wire of which the staple is formed and is provided with the orifice 7, through which the staple may drop, and the lug 5, that enters the channel and is engaged by the driving-bar D. This driving-bar occupies the channel of the frame, is provided with the shoulders 13 and 2, which engage the feed-plate, and on the end of which is the spherical handle to add to the force of the thrust. The concavity 14 is provided in the end of the frame to engage the runner and serve as a guide in placing the staple or binding-wire.

The operation is thus: A series of staples are placed on the guide, the locking-arm is raised and secured to said guide, and the staples are secured in position. When the feed-plate is beneath the guide, a staple falls into it, the driving-bar carries said feed-plate back, and the staple falls into a vertical position as the end of the driving-bar passes behind it, and the staple is then thrust forward to cover the runner and enter the stay, and is fastened by twisting the ends together.

Having fully described my invention, what I claim, and desire to secure, is—

The combination of the frame A provided with a vertical channel with chamfered edge near the forward end to turn the staple, the driving bar D the feed plate E with its receiving orifice and engaging lug, the fixed guide F and pivotal locking-arm G, held in a vertical position, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN R. KLINE.

Witnesses:

E. G. PICKERING,
GEO. W. BIOS.