

(No Model.)

G. W. PROUTY.

DEVICE FOR SECURING SHAFTS IN BEARINGS.

No. 387,445.

Patented Aug. 7, 1888.

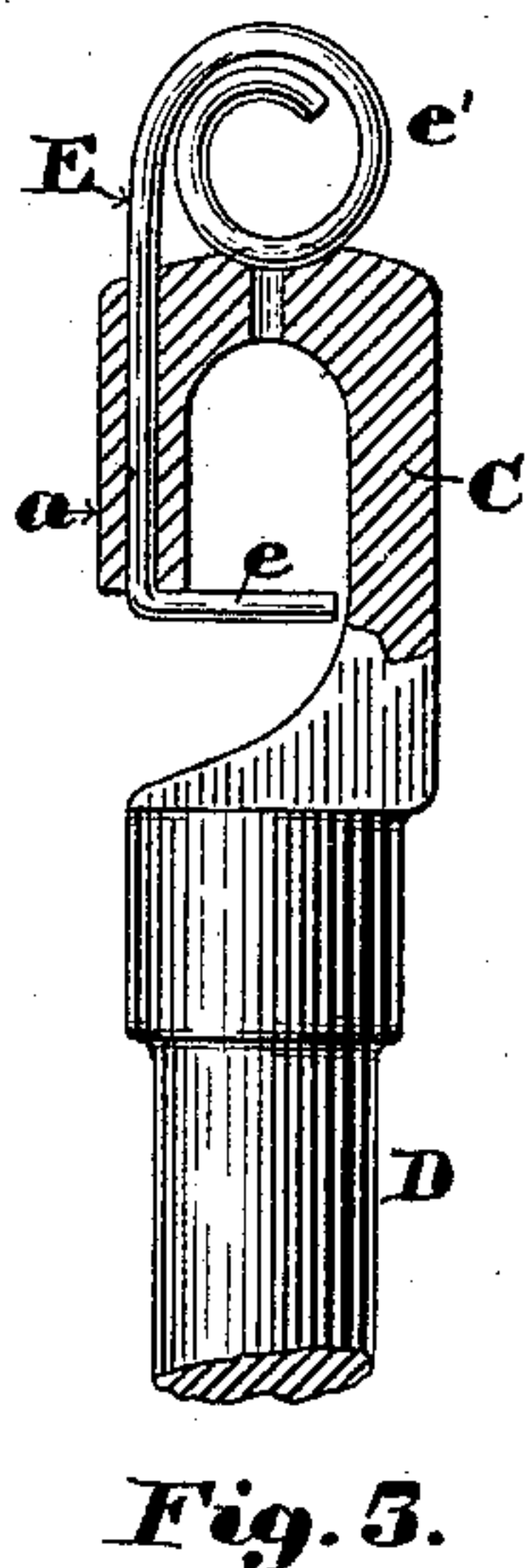
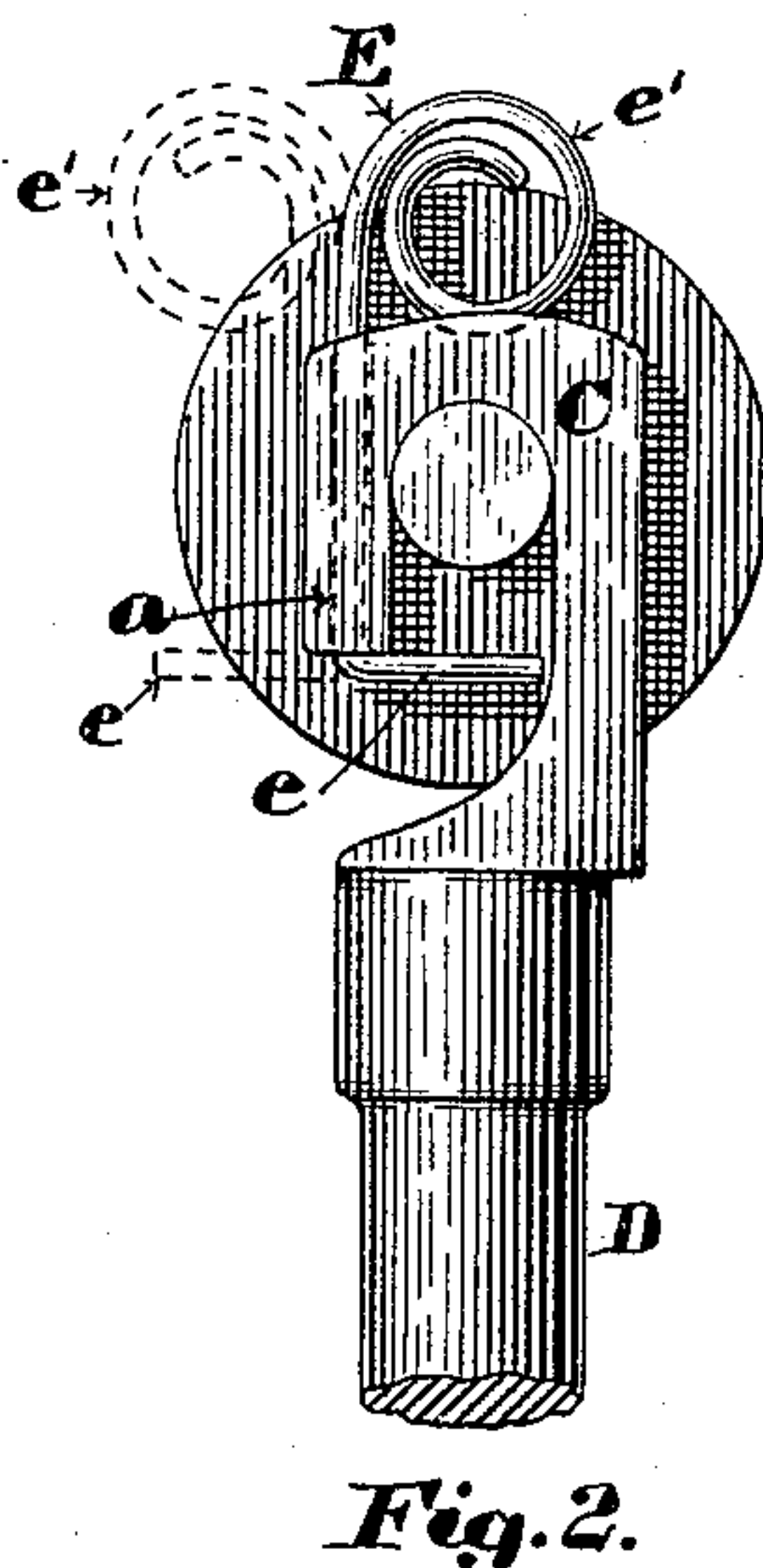
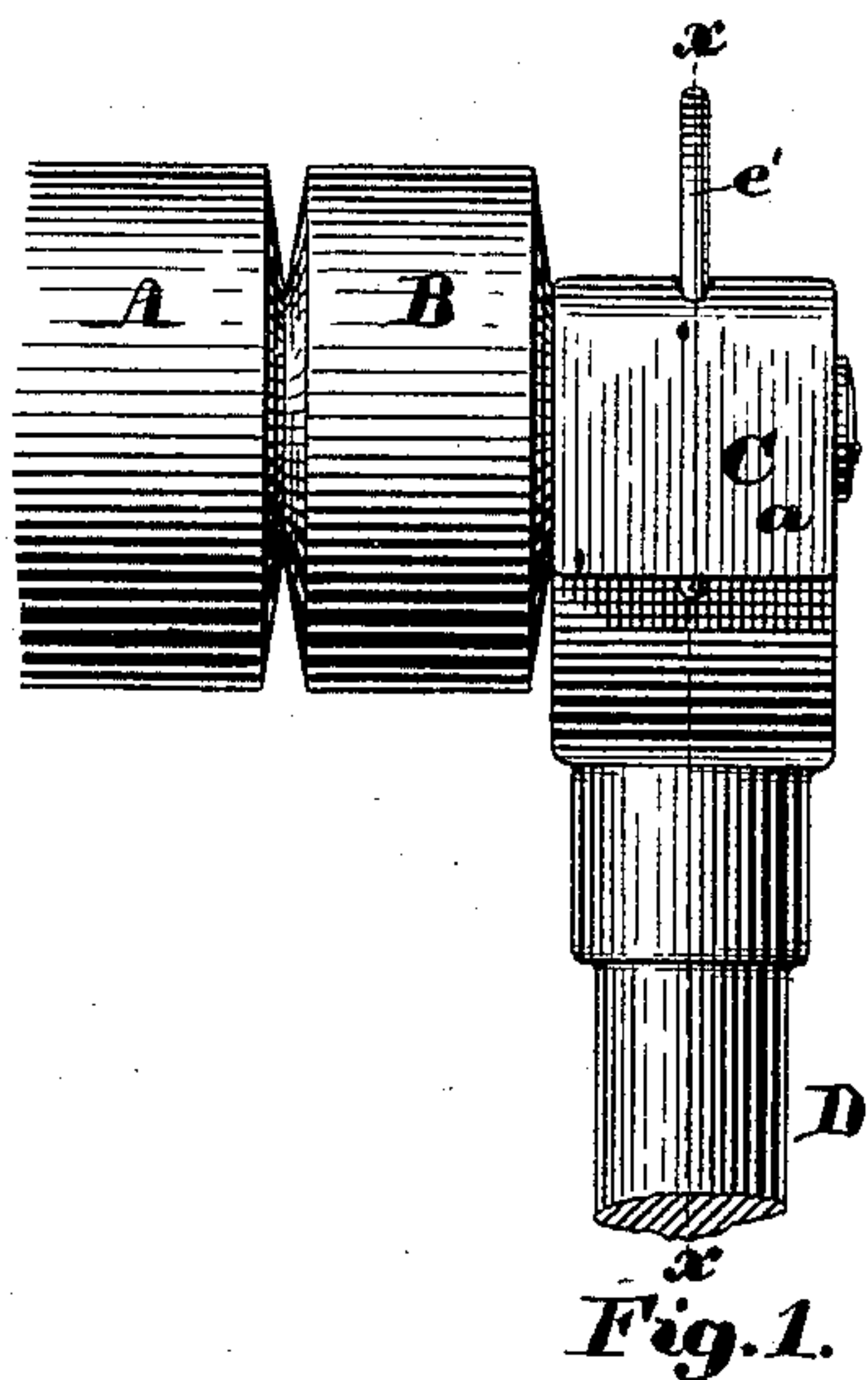


Fig. 3.

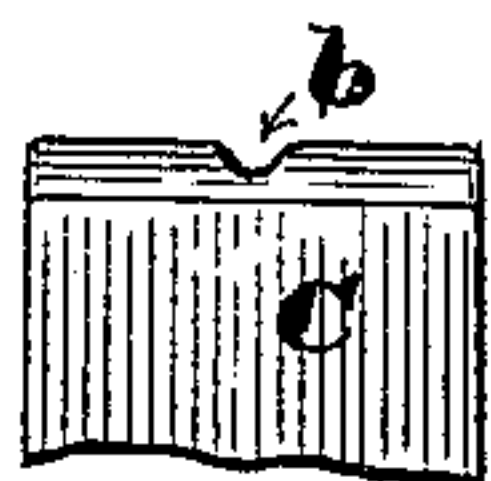


Fig. 4.

Witnesses:
Walter G. Lombard,
Alex. G. Donnelly,

Inventor:
George W. Prouty,
by N. G. Lombard,
Attorney.

UNITED STATES PATENT OFFICE.

GEORGE W. PROUTY, OF BOSTON, MASSACHUSETTS.

DEVICE FOR SECURING SHAFTS IN BEARINGS.

SPECIFICATION forming part of Letters Patent No. 387,445, dated August 7, 1888.

Application filed October 28, 1887. Serial No. 253,594. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. PROUTY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful
5 Improvement in Devices for Securing Inking-Rollers and other Shafts in their Saddles or Bearings, of which the following, taken in connection with the accompanying drawings, is a specification.

10 My invention relates to devices for securing shafts in their bearings, and is particularly adapted to use in connection with the inking-rollers of printing-presses and their saddles.

15 The saddles of printing-press rollers are usually open bearings, the open sides of said bearings being guarded against possible accidental removal of said rollers from their bearings by means of pins fitted to holes in the
20 two arms of the forked saddles and extending across the open sides of said bearings, which pins have to be removed every time it is desired to remove or insert an inking-roller, and as said pins are necessarily small and detached from any connection with the machine
25 when removed they are very liable to get lost or mislaid, often causing great loss of time in looking for them. To obviate this objection is the object of my invention; and it consists in a fastening device composed of a wire fitted to a bearing extending longitudinally through the short arm or fork of the saddle, and having its inner end bent at a right angle to said bearing and extending across the
30 opening of the saddle and its outer end bent into a scroll or other suitable curved form to adapt it to serve as a spring to hold said right-angled portion in position to bridge the opening in the saddle, and in the combination
35 of such a securing device with a saddle or open shaft-bearing having a recess or detent formed in its outer end to receive said spring portion of the securing device and lock it in position.

45 Figure 1 of the drawings is an elevation of an inking-roller saddle, a bearer-roll, a portion of an inking-roller, and a portion of the saddle-rod with my invention applied to the saddle. Fig. 2 is an elevation of the same

parts, looking at right angles to Fig. 1. Fig. 3 is a sectional elevation of the saddle, the cutting-plane being on line *x x* on Fig. 1; and Fig. 4 is a partial elevation of the saddle, looking in the opposite direction to Fig. 1.

In the drawings, A is the inking-roller; B, the bearer-roll; C, the saddle or open-sided bearing, and D is the saddle-rod.

The saddle C is of usual construction, except that the short arm *a* thereof has a hole drilled longitudinally through the same to receive the securing device E, and has formed in its outer end the detent-notch *b*, as shown in Fig. 4. The securing device consists of a wire passed through the hole in arm *a*, and having a portion, *e*, of one end bent at a right angle to the portion in said hole and a portion of its opposite end bent, preferably, into the form of a scroll, *e'*, though other styles of bend may be used which will permit said bent portion to engage with the detent-notch *b* and be readily sprung to remove it therefrom when it is desired to turn the securing device into the position shown in dotted lines in Fig. 2 for the purpose of removing the roller or shaft from the saddle or placing it in position therein. By this construction the inking-roller or other shaft may be placed in position or removed without withdrawing the securing-pin and thereby rendering it liable to misplacement or becoming lost, the securing device, on the contrary, always being in position to be readily operated and cannot become lost or mislaid.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A saddle or open-sided bearing, in combination with a securing device mounted permanently in an aperture in said saddle, and consisting of a piece of metal having one end bent at right angles to the bearing to bridge the opening in the saddle or bearing and its other end bent to form a curved spring adapted to retain the right-angled portion in position.

2. The saddle or open-sided bearing C, provided with a longitudinal aperture through the short arm of its fork, and with the detent-notch *b*, in combination with the securing de-

vice E, consisting of a wire provided with the right-angled arm *e* at one end and the curved portion *e'* at the other end, constructed and arranged to engage with the detent-notch
5 *b*, substantially as and for the purposes described.

In testimony whereof I have signed my name

to this specification, in the presence of two subscribing witnesses, on this 27th day of October, A. D. 1887.

GEORGE W. PROUTY.

Witnesses:

WALTER E. LOMBARD,
JAMES T. MURRAY.