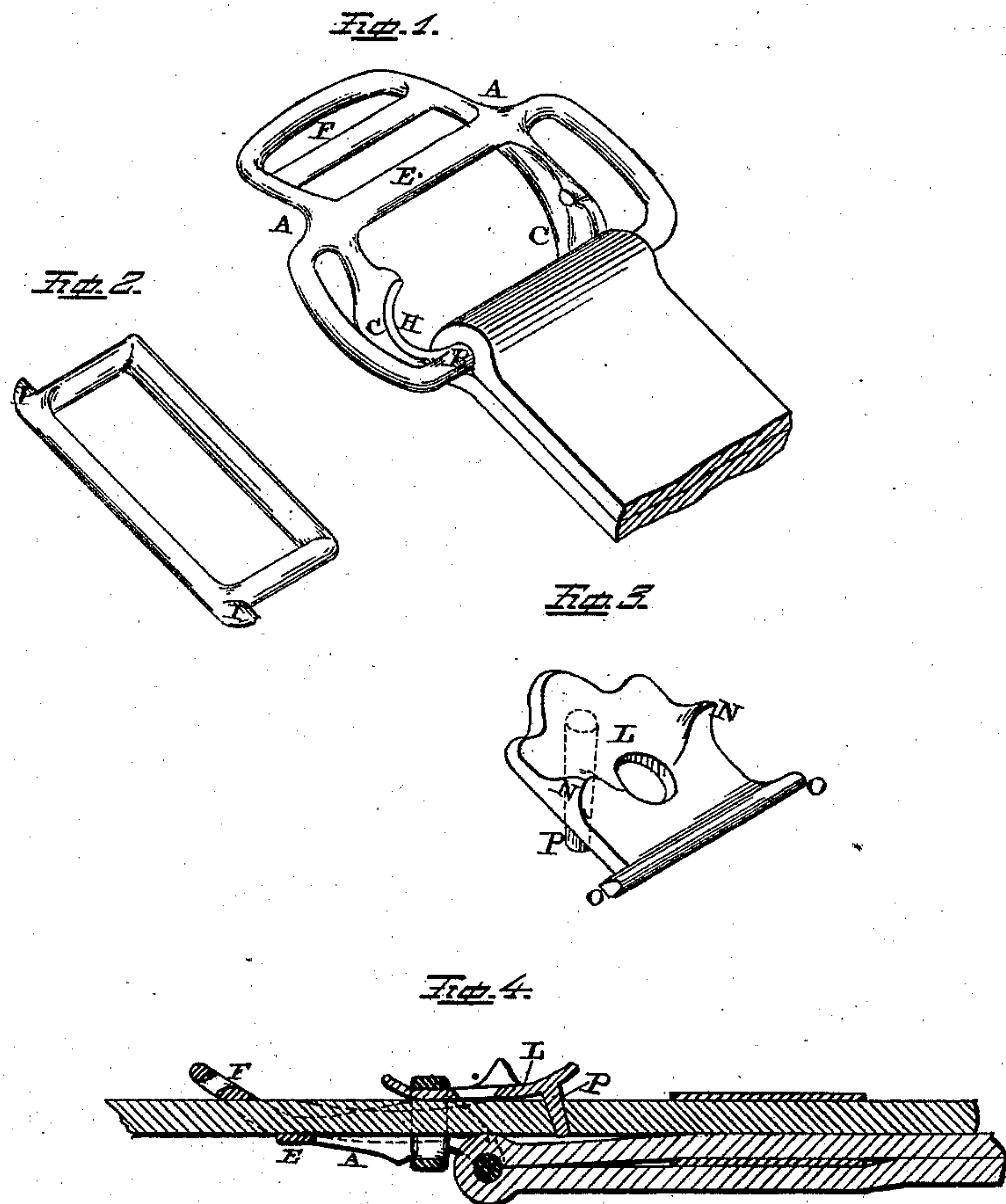


(Model.)

E. M. KINNE.
BUCKLE.

No. 270,227.

Patented Jan. 9, 1883.



WITNESSES

Wm W. Mortimer
C. H. Isham

INVENTOR

E. M. Kinne,
per

F. A. Lehmann,
atty

UNITED STATES PATENT OFFICE.

ERASTUS M. KINNE, OF AUBURN, NEW YORK.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 270,227, dated January 9, 1883.

Application filed August 14, 1880. (Model.)

To all whom it may concern:

Be it known that I, ERASTUS M. KINNE, of Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Buckles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in buckles; and it consists in the arrangement and combination of parts, that will be more fully described hereinafter.

Figure 1 is an inverted perspective of the body of the buckle attached to the hame-tug. Fig. 2 is a perspective of the bail. Fig. 3 is a perspective of the tongue-piece. Fig. 4 is a vertical section of the buckle complete.

A represents the frame of the buckle, at the front end of which is the cross-bar B, to which the hame-tug is secured. The two sides of the frame, just in the rear of this cross-bar, are widened outward, as shown, and are made thicker at the point C than at any other part, and on the outer sides of these thickened or widened-out parts C are formed the usual loops. From the part C the frame is curved downward a suitable distance, where the sides are again connected or united by the cross-bar E, which has its rear edge somewhat lower than the front one, and these cross-bars B E form the only bottom part of the frame upon which the trace directly rests. The rear end of the frame is made narrower than any other part, and is curved upward, as shown, so as to allow the trace to readily pass under, and terminates in the cross-bar F. In the under or inner edge of the widest part C of the buckle are made the notches H, in which notches the projections I on the ends of the bail catch. This bail is passed through the tug next to the rear end of the hame-tug, and has the trace to pass through it, the top of the bail or tongue-piece alone bearing upon the trace. Caught in or under the top of this bail is the tongue-piece L, which tongue-piece is turned upward at its

rear end, as shown, and is provided upon each of its rear corners with a projection, O, for the purpose of preventing the tongue-piece from being forced through the bail. Upon the top of this tongue-piece, near its center, are also formed the projections N, which serve to prevent the tongue-piece from being drawn backward through the bail when the draft is applied to the trace. On the under side of the front end of this tongue-piece, which is also turned upward, so as to allow it to be readily raised up, is formed a lug or projection, P, which catches in a hole in the trace and prevents the trace from being pulled backward through the buckle. The space in the buckle-frame between the end piece or bar, B, and the cross-bar E, which supports the inner side of the trace, is longer than the length of the tongue-plate or the swinging surface of the bail. It will be seen that the trace bears upon the cross-bar B, to which the rear end of the tongue is secured, passes through the bail, but does not bear upon its lower part, and, being forced downward by the tongue-piece or tongue, and having no other part upon which to rest except the cross-bar, which forms the only part of the bottom which the frame has, the trace, when draft is applied to it, is pressed downward by means of the supports, as shown by dotted lines, and thus enabling it to be held more rigidly and securely in the buckle, and the danger of its slipping or becoming detached correspondingly lessened.

Having thus described my invention, I claim—

A buckle composed of the frame A, having the cross-bar B at one end and the cross-bars E at the other, and having the notches H, in combination with the bail and the tongue-piece L, having projections O N and lug P, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 4th day of August, 1880.

ERASTUS M. KINNE. [L. S.]

Witnesses:

E. G. KINNE,
SARAH KINNE.