

F. KELLEY.
Suspender-Buckle.

No. 223,359.

Patented Jan. 6, 1880.

Fig. 1.

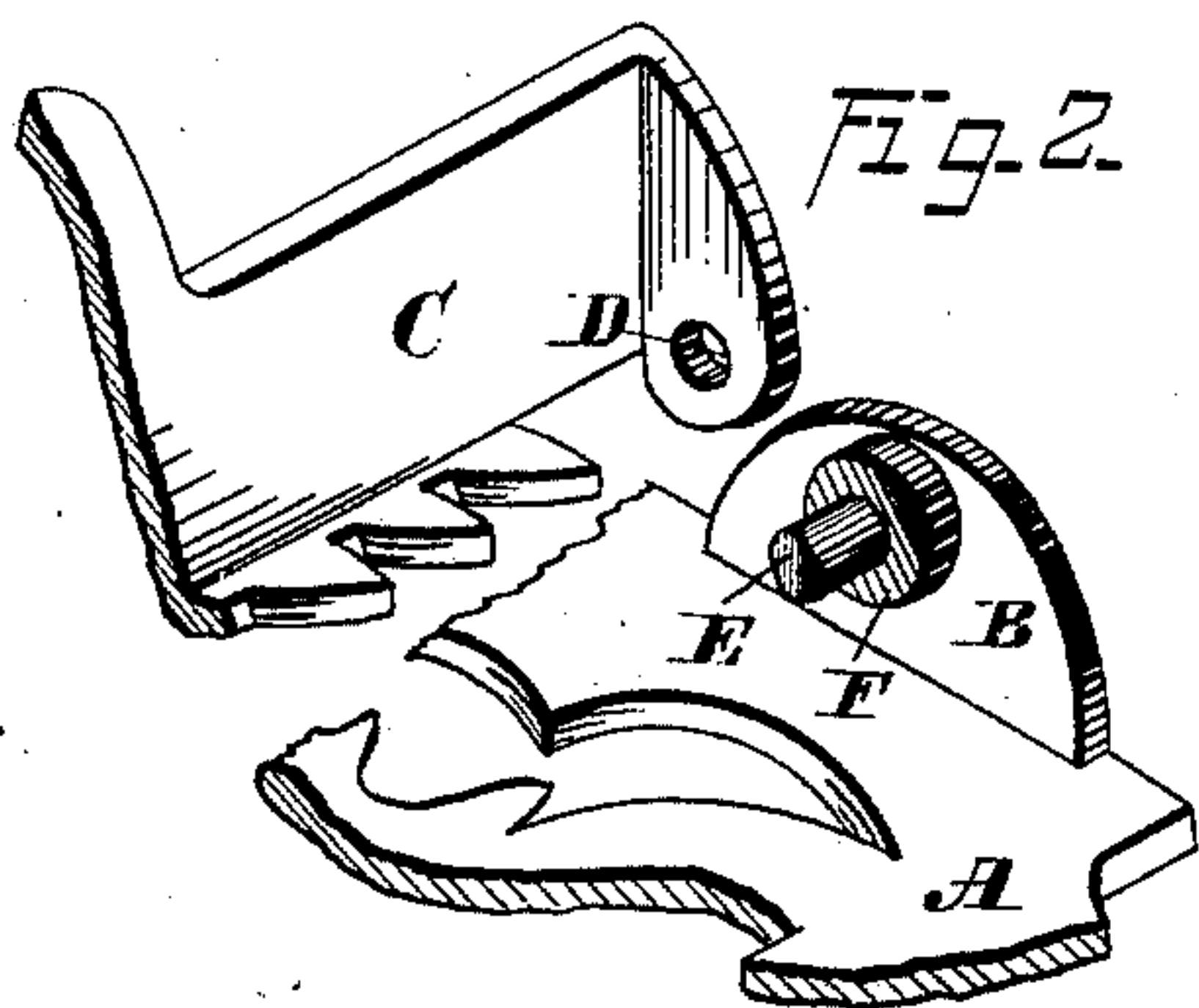
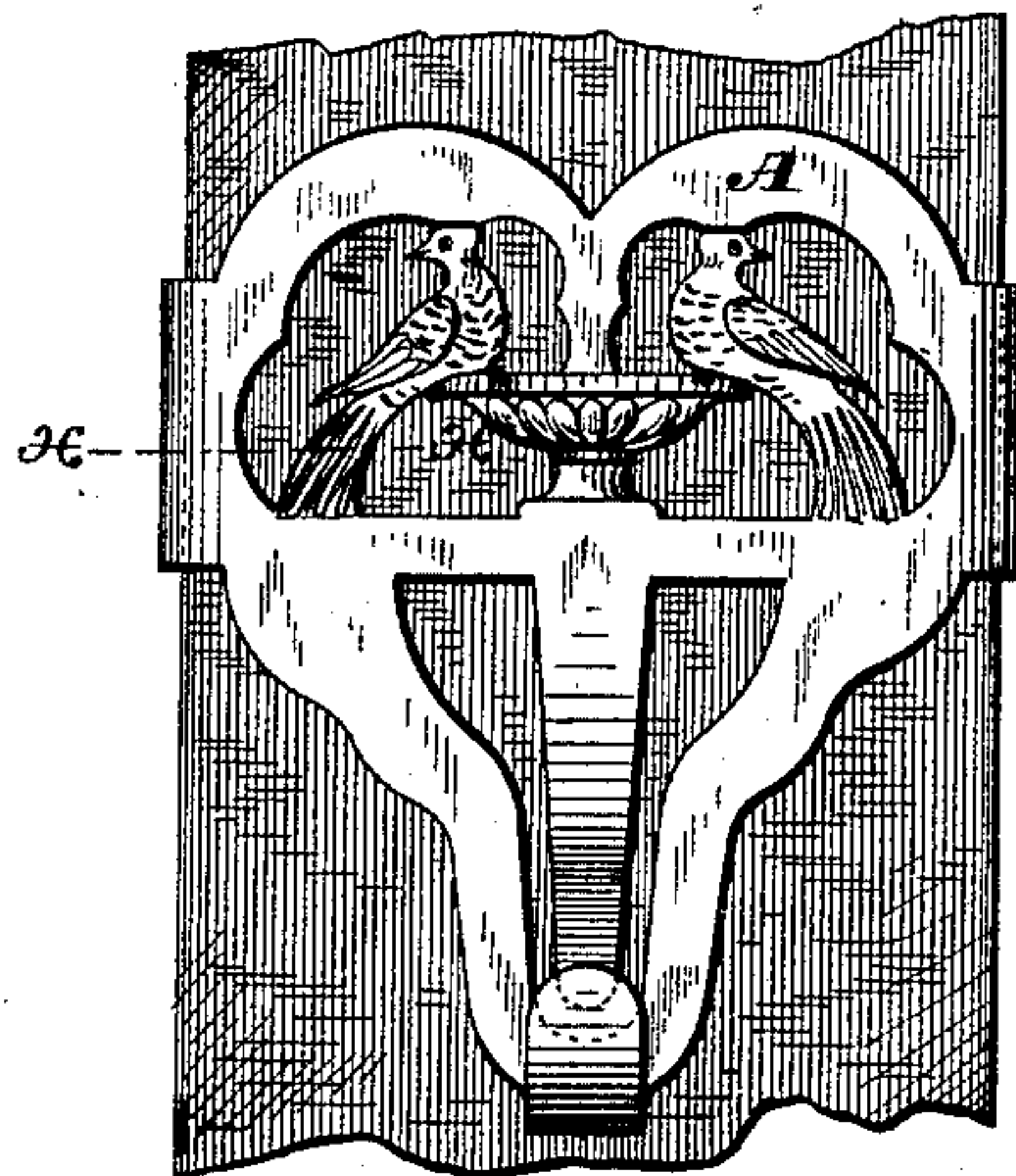


Fig. 2.

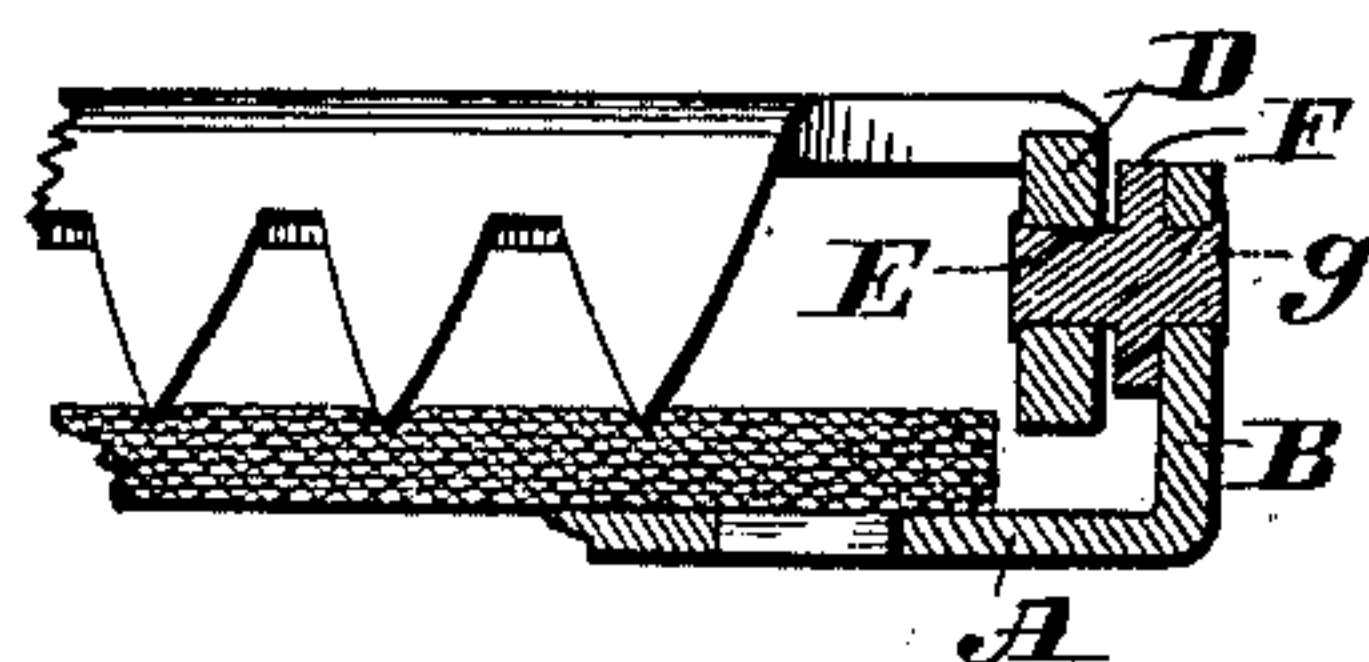


Fig. 3.

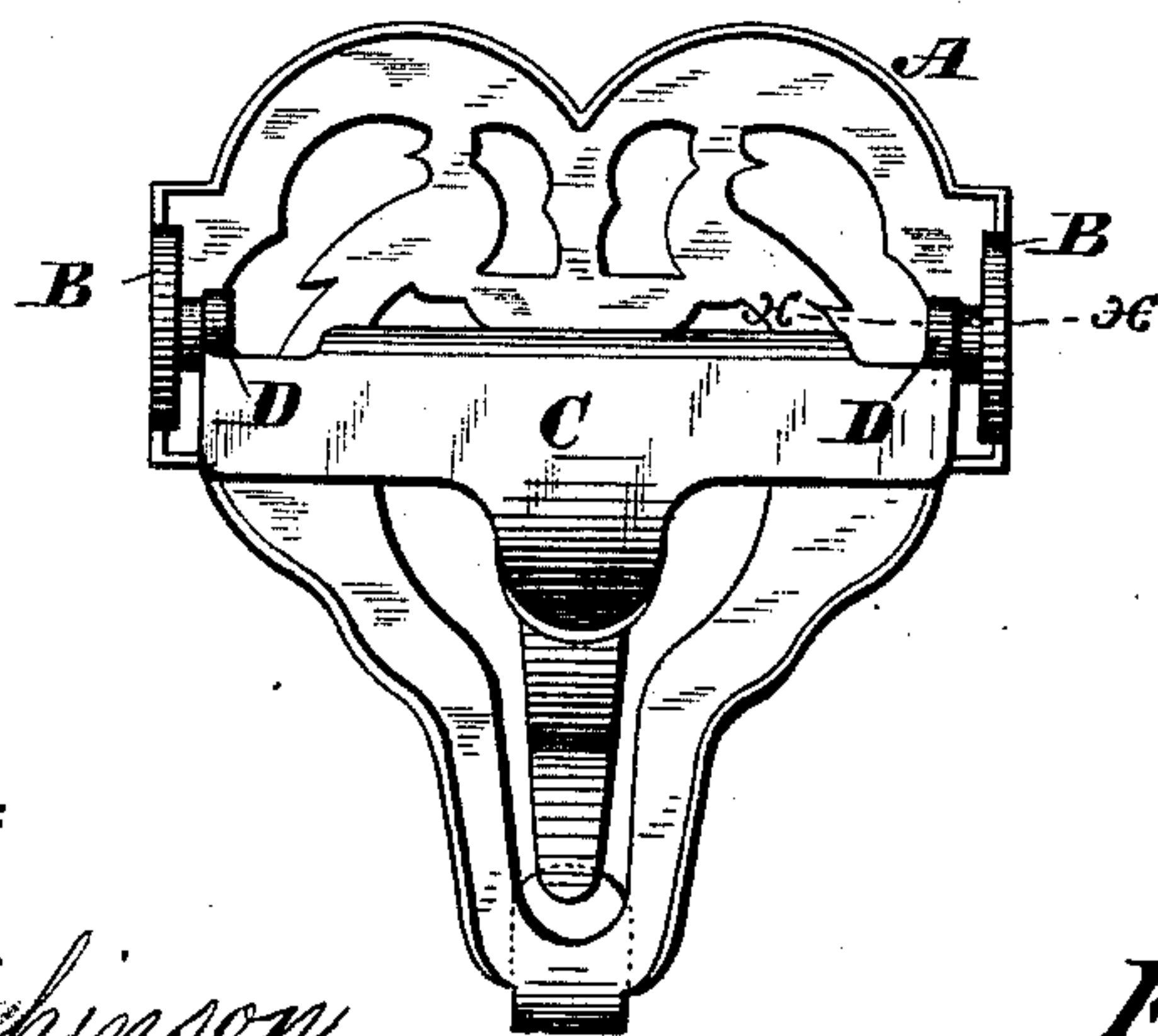


Fig. 4.

WITNESSES=

James E. Hutchinson.

James A. Rutherford.

INVENTOR-

Fergus Kelley,

by James L. Norris.

Att'y.

UNITED STATES PATENT OFFICE.

FERGUS KELLEY, OF ANSONIA, CONNECTICUT.

SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 223,359, dated January 6, 1880.

Application filed December 1, 1879.

To all whom it may concern :

Be it known that I, FERGUS KELLEY, of Ansonia, in the county of New Haven and State of Connecticut, have invented certain
5 new and useful Improvements in Suspender-Buckles, of which the following is a specification.

This invention relates to an improvement in that class of buckles known as "top-lever"
10 buckles, its object being to guard against the overstraining and consequent displacement of the lever from the buckle-frame, and to prevent the tearing of the shirt of the wearer by projecting rivet ends.

15 It consists in pivoting the ears of the lever to those of the frame by means of pivot-pins, each of which is provided at its middle portion with a fixed collar, which stands between the frame-ear and lever-ear, these ears and the
20 collar preventing the pivot-pin from slipping either inward or outward, to permit the detachment of the lever. The portion of the pivot-pin which has its bearing in the frame-ear I make of a length equal to or less than
25 the thickness of the ear, and thus the collar prevents said pin from projecting beyond the outer surface of the ear and accidentally tearing the shirt or the lining of the vest of the wearer.

30 In the drawings, Figure 1 is a front view of a buckle embodying my improvements; Fig. 2, a perspective sectional view of the clamping-lever and buckle-frame; Fig. 3, a sectional view on the line *x x* of Fig. 4. Fig. 4 is a view
35 of the rear side of a buckle embodying my invention.

40 The letter A indicates a buckle-frame, having ears B turned up in the usual manner, and perforated to receive the pivot-pins; and C designates the lever formed with bent and perforated ears D and the usual teeth. The pivot-

pin E has formed around its middle a collar, F, the end *g* on one side of said pin having a length equal to, or it may be a little less than, the thickness of the ears of the frame, 45 while the portion on the other side of the collar may be a little longer. The width of the lever at its wide end and the distance apart of the ears of the frame are, relatively, such that when the parts are placed together, as in Fig. 1, the collars F fit easily 50 between the adjacent ears of the frame and lever, and thus the pin, even if not otherwise secured, is prevented from slipping in either direction. The length of that portion, *g*, of each 55 pivot-pin which rests in the frame-ear being only equal to or less than the thickness of the ear, it is prevented from projecting outward beyond the ear and tearing the clothing of the 60 wearer.

What I claim is—

1. The combination, with a buckle-frame having perforated lever-supporting ears and a lever having similar ears, of the pivot-pins having collars adapted to fit between the adjacent ears of the frame and lever, substantially as described. 65

2. The combination, with the frame having lever-supporting ears and the lever, of the pivot-pins having the collars arranged between the 70 said ears and lever, and having their portions which take into the said ears of a length equal to or less than the width of the same, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I 75 have hereunto set my hand in the presence of the subscribing witnesses.

FERGUS KELLEY.

Witnesses:

W. F. OBNUR,
FRANKLIN BURTON.