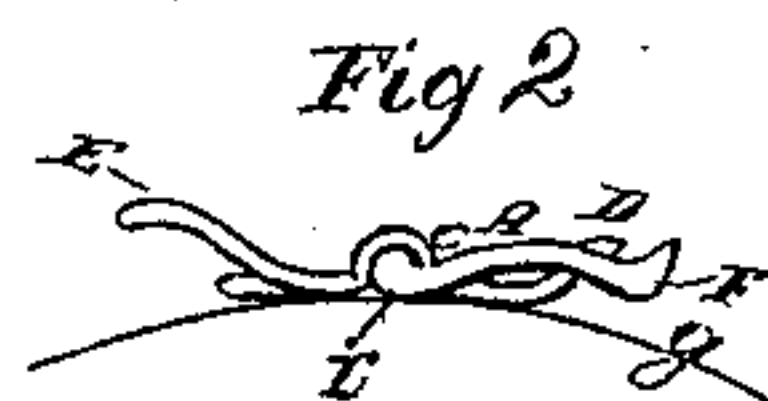
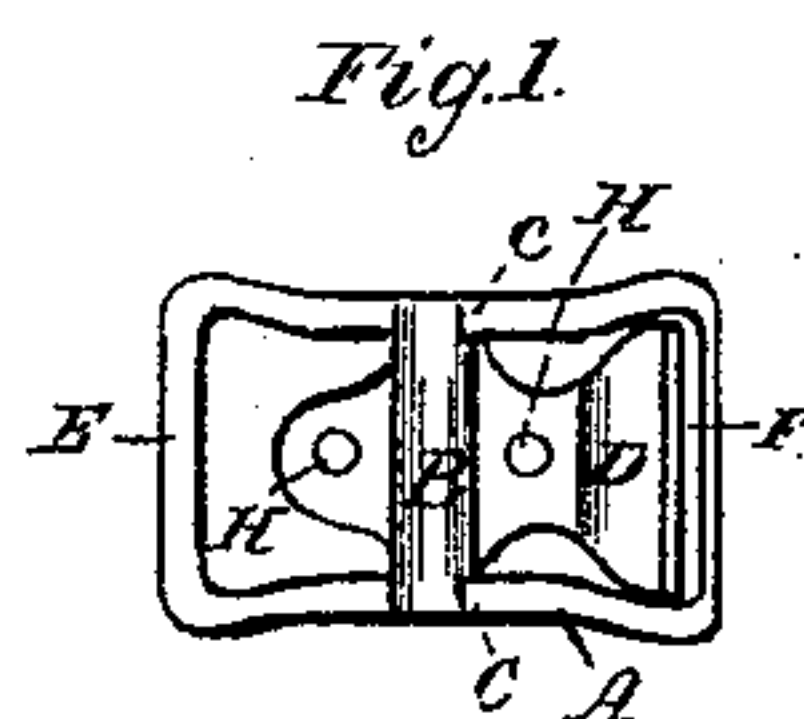
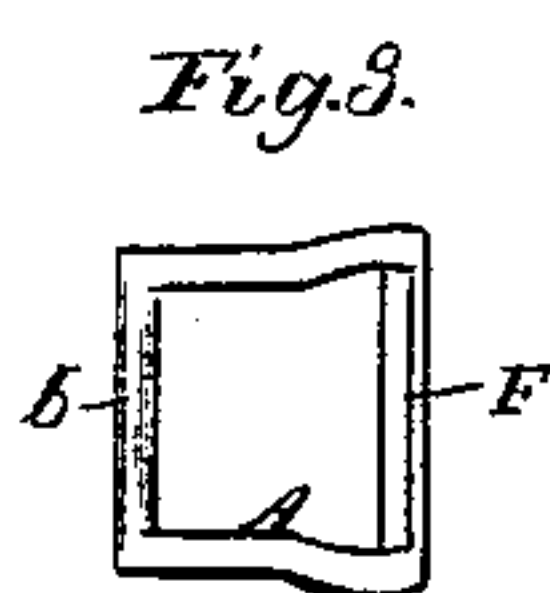
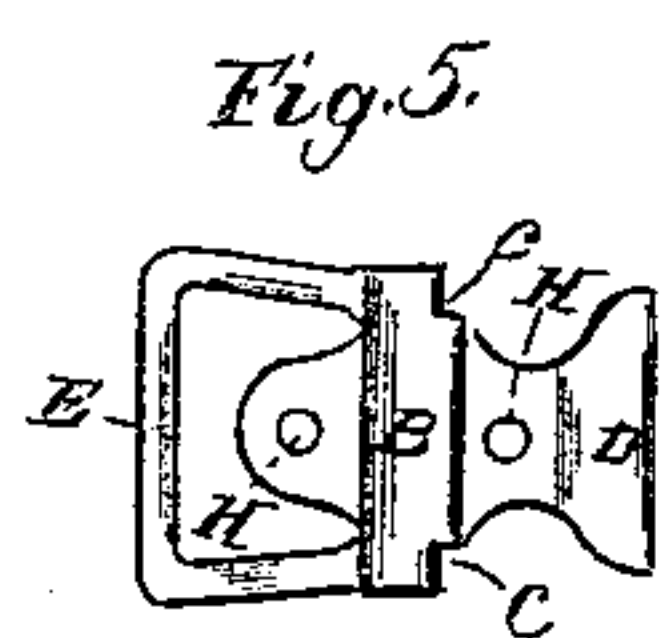


F. Douglas,

Buckle.

No. 39217.

Patented July 14. 1863.



Witnesses,
G. O. Pratt
J. Hulsey

Inventor,
Frank Douglas

UNITED STATES PATENT OFFICE.

FRANK DOUGLAS, OF NORWICH, CONNECTICUT.

IMPROVEMENT IN BUCKLES.

Specification forming part of Letters Patent No. 39,217, dated July 14, 1863.

To all whom it may concern:

Be it known that I, FRANK DOUGLAS, of Norwich, in the county of New London and State of Connecticut, have invented a new and useful Improvement in Buckles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a top view of the whole buckle. Fig. 2 is a side view of the same. Fig. 3 is a top view of the swinging frame. Fig. 4 is a side view of the same. Fig. 5 is a top view of the bed-piece, tongue, and loop combined. Fig. 6 is a side view of the same.

Similar letters of reference indicate corresponding parts in all the figures.

The principal object of my invention is to produce a neat and secure clamp-buckle for skates, garters, &c., which shall so hold the strap when buckled that it will present an even surface to the foot or leg, and which shall also be an easy buckle to unbuckle.

The swinging frame A of the buckle has a rounded end, *b*, which fits into the socket or groove B of the bed, tongue, and loop-piece, as shown in Fig. 2, thus forming an easy joint. The frame A is also provided with a flat slanting end, F, against which is held by the tongue D the strap to be buckled. The sides of the frame A are curved upward, as shown in Figs. 2 and 4, to let it drop low enough to receive the strap between the end F of said frame and the tongue D in case the buckle is attached to a strap wider than said frame.

The bed-piece (shown separate from the frame in Figs. 5 and 6) is provided with holes, by which it is riveted to the strap, and the tongue D curves upward so as to stand in proper relation to the end F of frame A, as in Figs. 1 and 2. The stop-shoulders *c c* are to prevent the frame A from swinging above the tongue D. The loop *e*, attached to the bed-piece, curves upward, as in Fig. 6, to receive the strap. The bottom of the bed, to which the strap is riveted, is curved, as represented by the curved line *g* in Fig. 2, to correspond as nearly as possible to the curve of a person's foot or leg.

To buckle the strap the frame A is swung down far enough to receive said strap, and when drawn up as tight as required said strap is held from slipping back by the pressure upward of frame A against the end of tongue D, thus clamping said strap firmly. To unbuckle the strap a slight pressure on the loop *e* will tilt up the tongue D and instantly loosen said strap.

I do not claim as my invention the manner in which the buckle is fastened to the strap; neither do I claim holding a strap by clamping it; but

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

The swinging frame A, in combination with the stationary loop *e*, socket B, and tongue D, substantially as herein specified.

FRANK DOUGLAS.

Witnesses:

GEO. PRATT,
J. HALEY.