

(No Model.)

J. F. TOWNSEND.
SUSPENDER BUCKLE.

No. 324,897.

Patented Aug. 25, 1885.

Fig. 1.

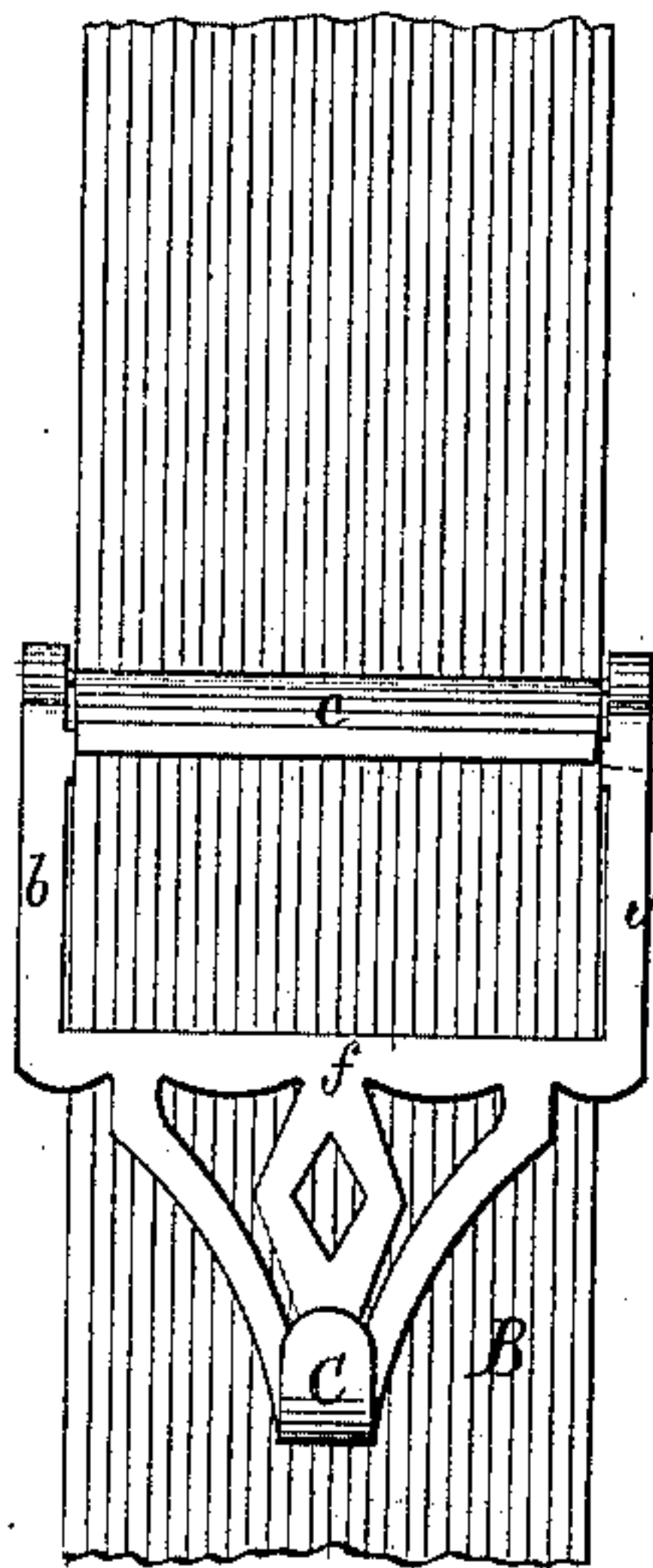


Fig. 7.

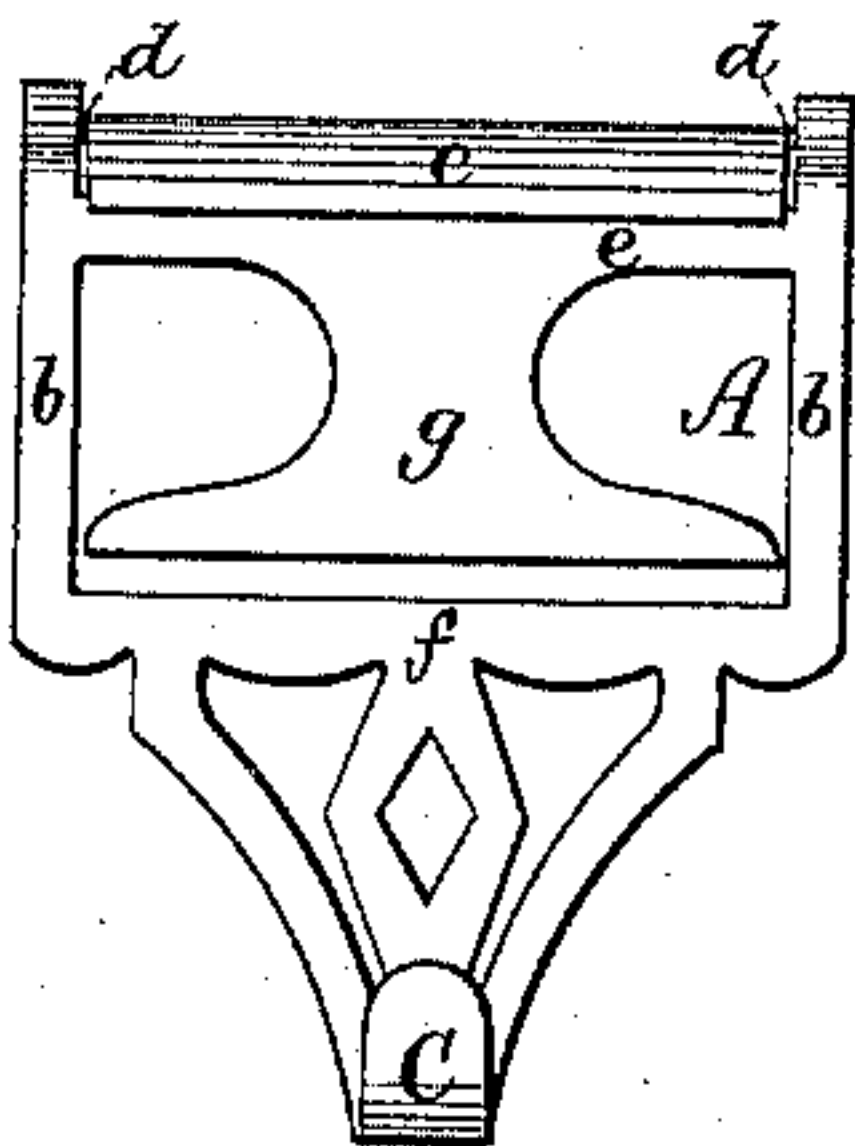


Fig. 3.

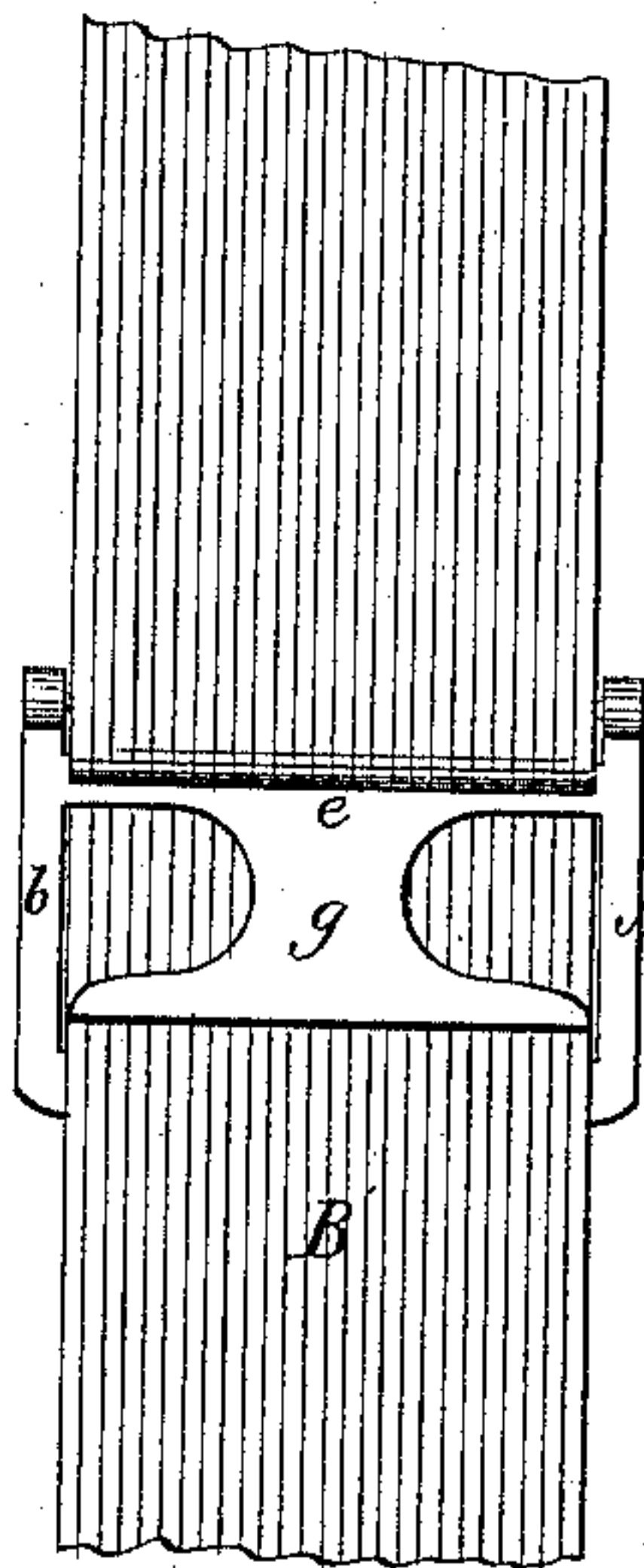


Fig. 8.

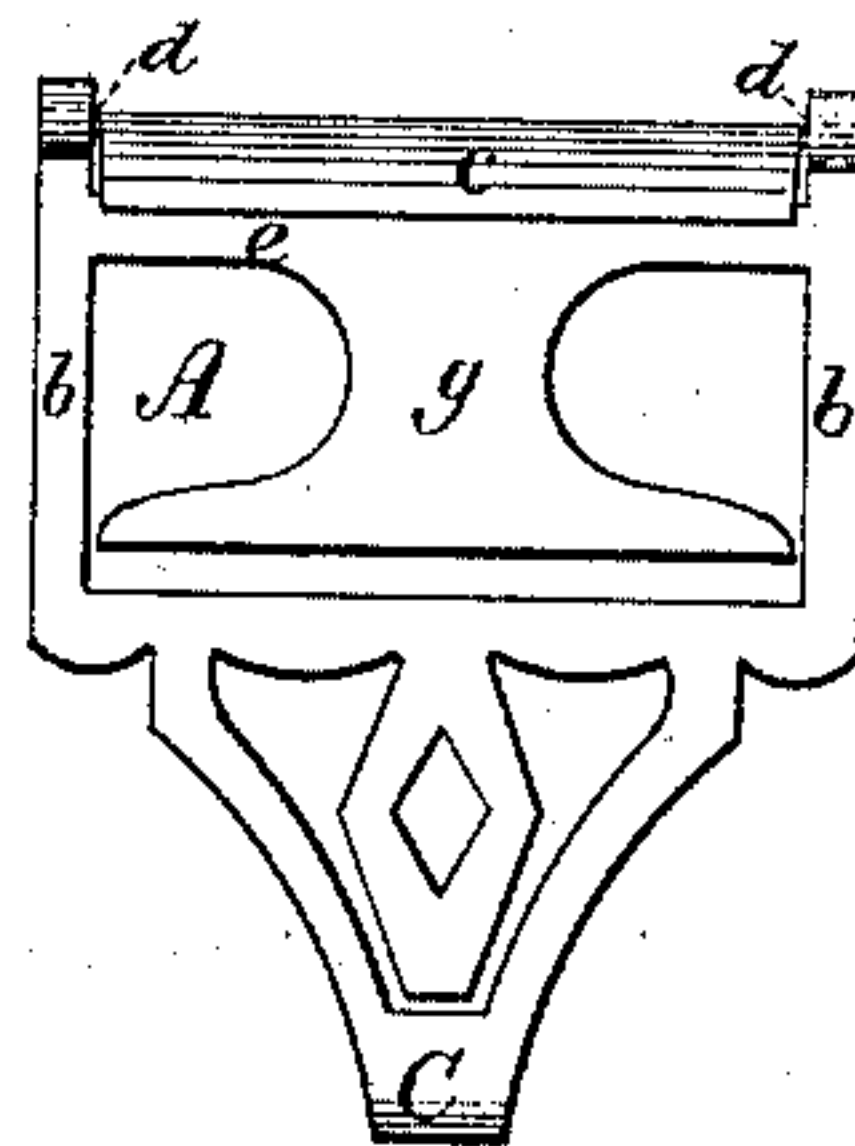


Fig. 5.

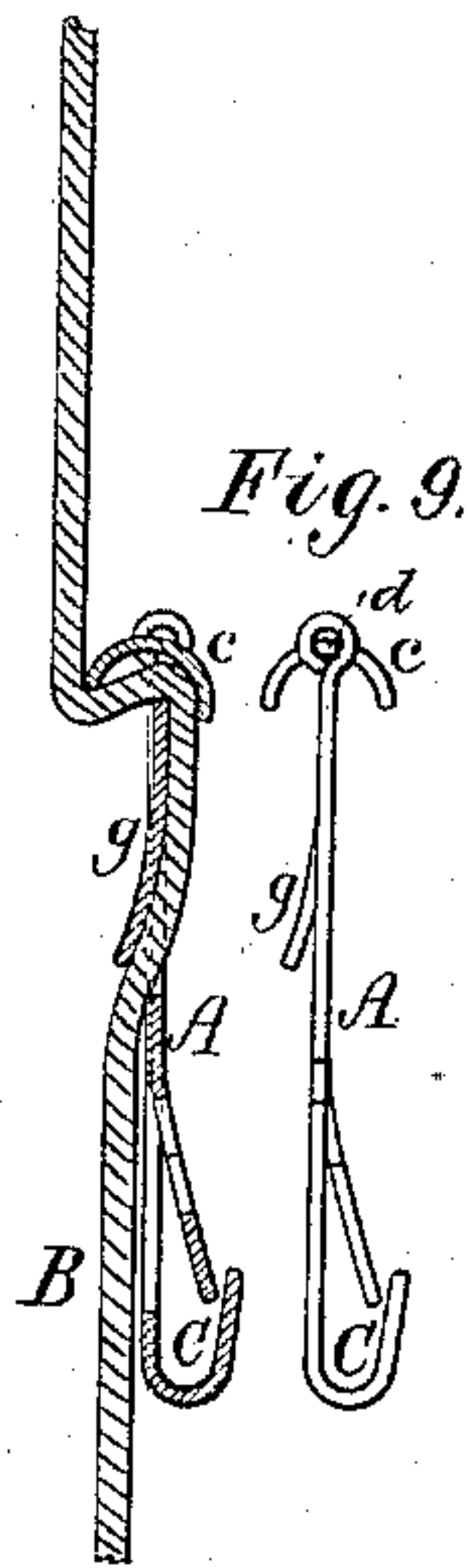


Fig. 9.

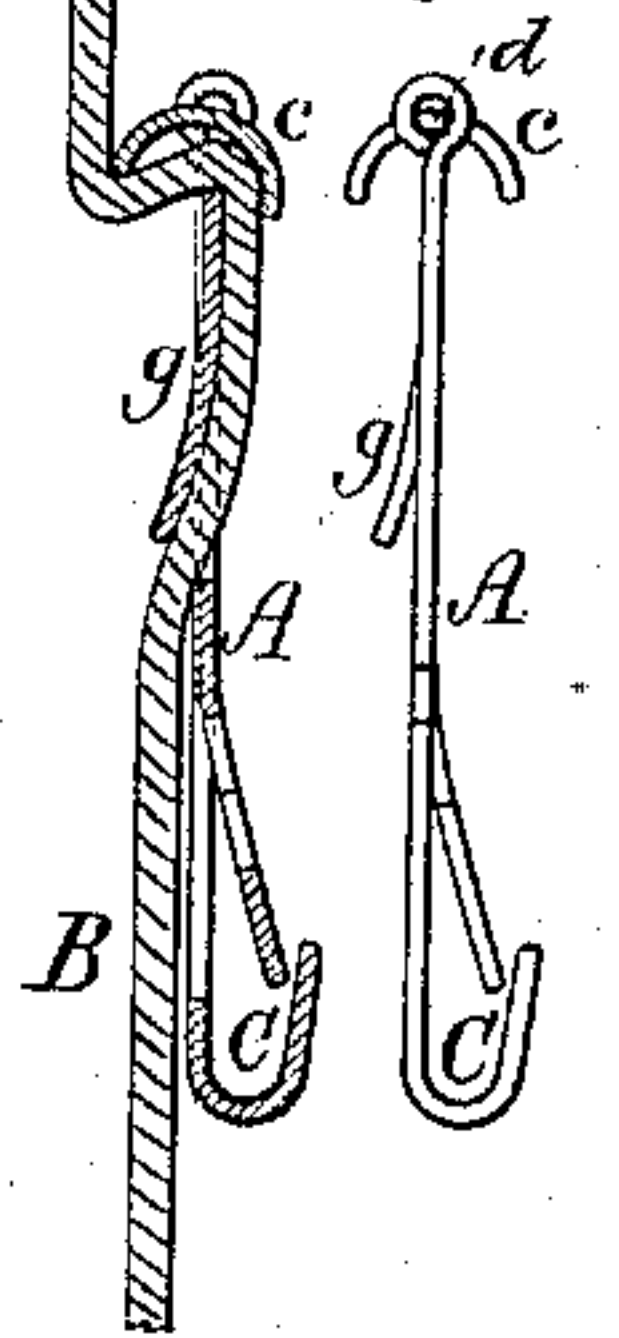


Fig. 2.

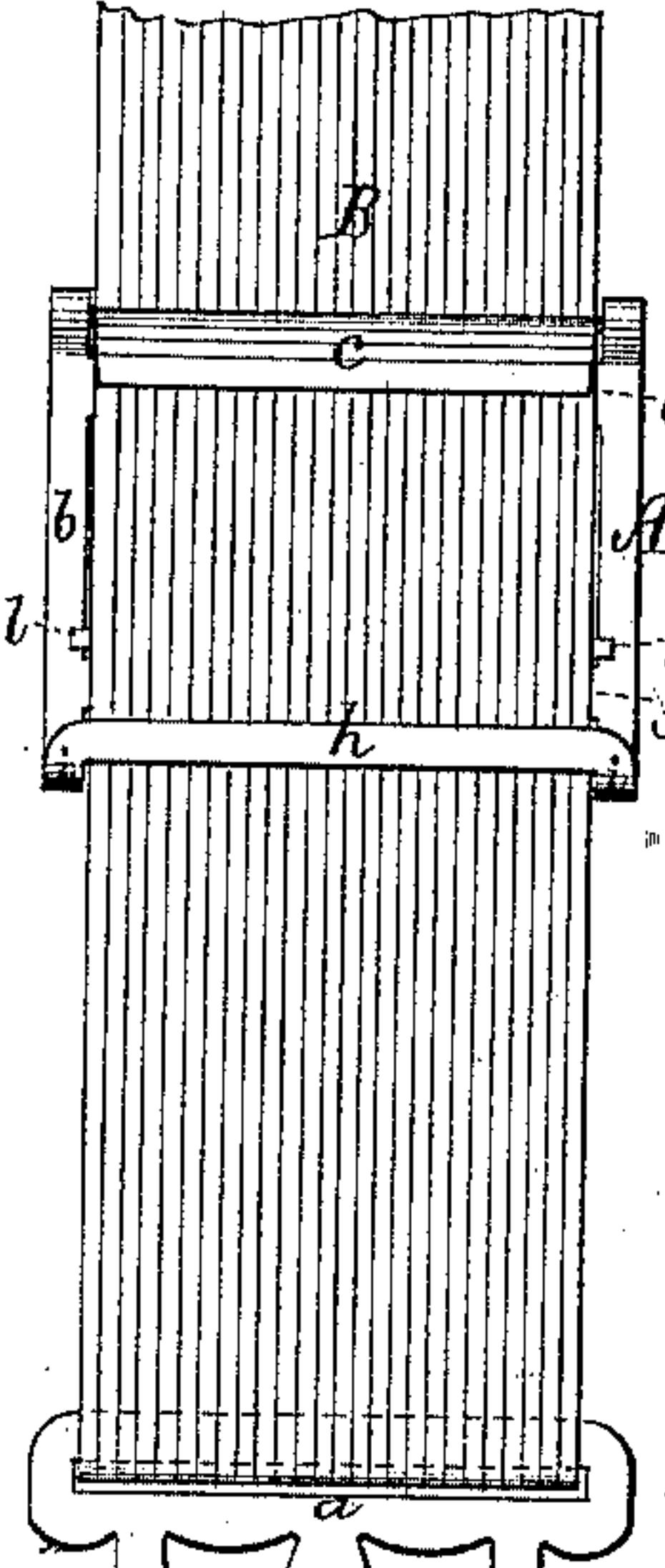


Fig. 4.

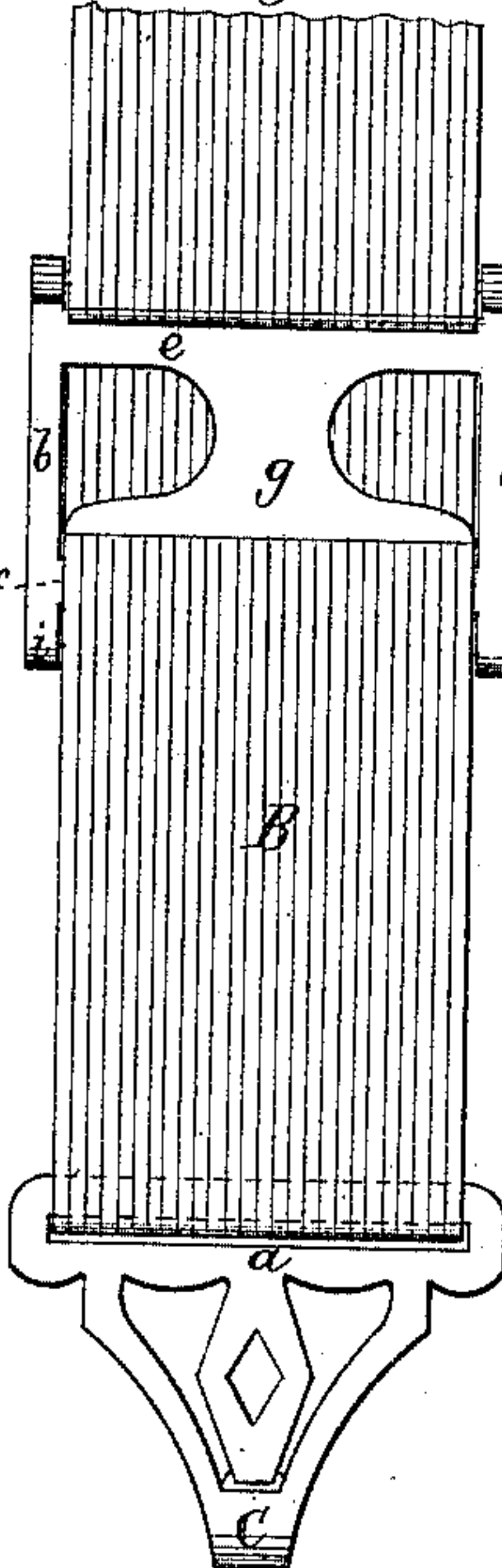


Fig. 6.

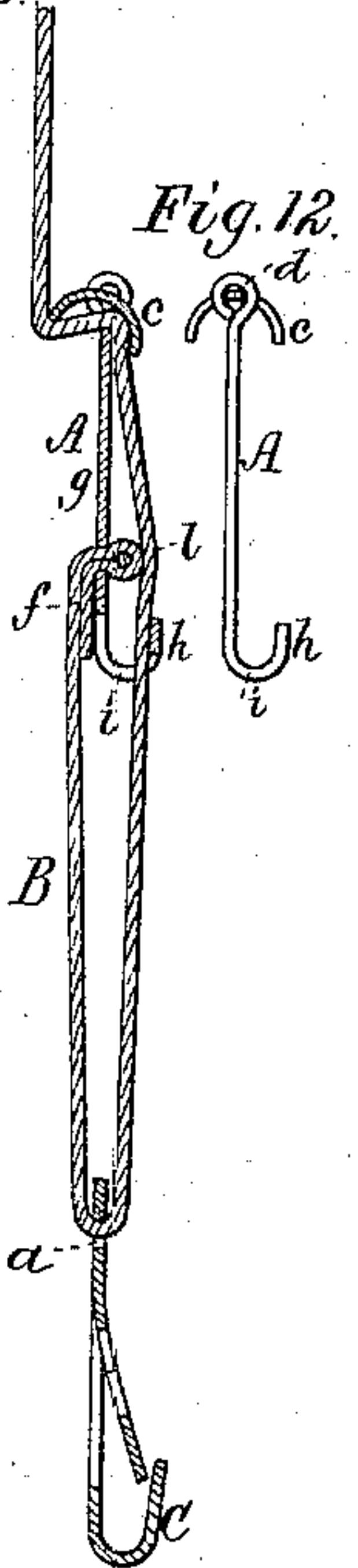


Fig. 10.

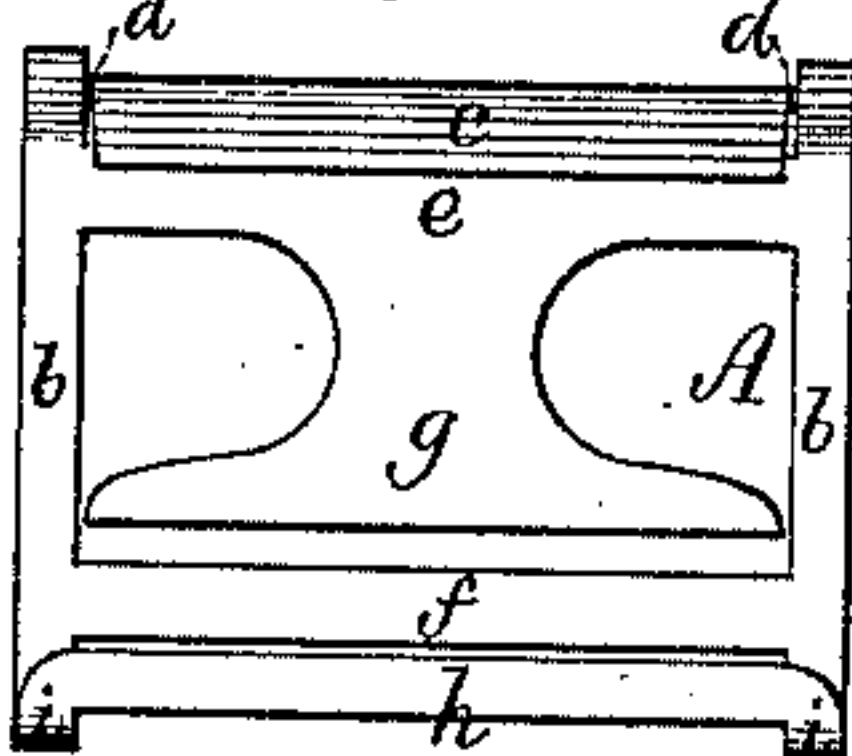
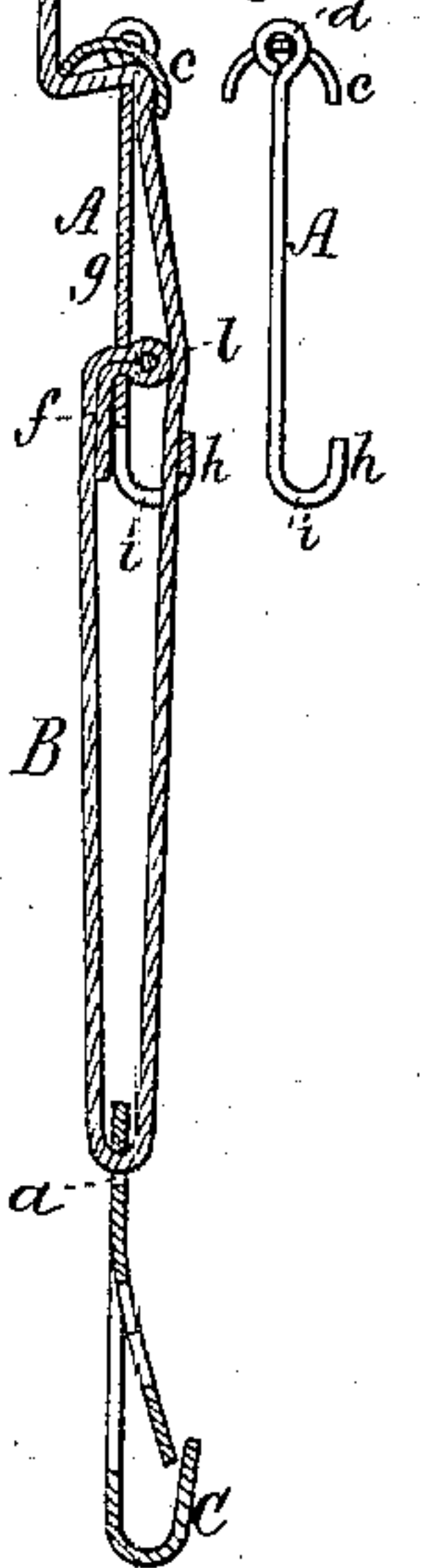


Fig. 11.



Fig. 12.



Witnesses
S. N. Piper
Ernest D. Pratt

Inventor
Joseph F. Townsend.
by R. H. Eddy, atty.

UNITED STATES PATENT OFFICE.

JOSEPH FRANKLIN TOWNSEND, OF CAMBRIDGEPORT, MASSACHUSETTS.

SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 324,897, dated August 25, 1885.

Application filed June 15, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH FRANKLIN TOWNSEND, of Cambridgeport, in the county of Middlesex, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Suspender Buckles; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

10 Figures 1 and 2 are front views, Figs. 3 and 4 rear views, and Figs. 5 and 6 longitudinal sections, of my improved buckle as applied to a suspender band or strap. Figs. 1, 3, and 5 relate to one, and Figs. 2, 4, and 6 to another strap and its buckle. Fig. 7 is a front view, Fig. 8 a rear view, and Fig. 9 an edge view, of the buckle shown in Figs. 1, 3, and 5, while Fig. 10 is a front view, Fig. 11 a rear view, and Fig. 12 an edge view, of the buckle shown in Figs. 2, 4, and 6.

The nature of my invention is defined in the claim hereinafter presented.

25 The buckle A is represented in Figs. 1, 3, and 5 as having a hook, C, attached to and projecting from it, and Figs. 2, 4, and 6, as detached from such hook, which in this latter case is provided with a slot, *a*, to receive the suspender-strap B.

30 In the upper part of the frame *b* of the buckle there is a duplex tilting tongue, *e*, which is a rectangular plate curved transversely, and having at the middles of its opposite ends journals *d*, to extend into bearings in the frame, such tongue being arranged above and parallel with and at a short distance from the upper cross-bar, *e*, of the frame. From the said cross-bar *e* there extends downward toward and nearly to the lower cross-bar, *f*, of the frame a flat elastic spring or tongue, *g*, formed as represented.

45 In Figs. 1, 3, and 5 the strap B is shown as extending in one direction through the buckle-frame, in which case it goes between the upper bar of such frame and the tilting duplex tongue, after which such strap is led downward to the lower bar of and thence through the buckle-frame, in which case it goes between the said lower bar and the spring or elastic tongue *g*. On laying hold of the strap with one hand about the buckle, and pulling with the other hand the buckle downward, the tilting tongue will be caused

to tilt and bear at its two opposite edges against the strap, and, with the upper bar of the frame, will operate to prevent the buckle from sliding on the strap. The spring-tongue is to keep the strap against the lower bar of the frame. The buckle can readily be moved upward on the strap.

60 In Figs. 2, 4, and 6 the buckle, constructed essentially like that represented in Figs. 1, 3, and 5, has to its frame an auxiliary or guide bar, *h*, which is below and in front of the bar *f*, and is attached to the frame by curved arms or projections *i i*, extending therefrom, as represented. The strap B goes through the frame from rear to front thereof, between its upper bar and the duplex tilting tongue, thence the strap goes downward between the lower bar, *f*, and the guide-bar *h*, thence backward through the slot *a* of the hook, thence upward and again forward through the buckle-frame, between the spring-tongue and lower bar thereof, thence around a wire, *l*, going across the buckle-frame, and thence between the said wire and the lower bar of the frame. The wire at its ends projects upon the fronts of the sides of the frame.

75 With the mode shown in Figs. 2, 4, and 6 of applying a strap to the buckle and its hook a larger strap in most cases can be used relatively to the strap shown in Figs. 1, 3, and 5.

80 The buckle-frame may be either with or without the strap guide-bar *h*, or such frame may have the hook either projecting from or disconnected with it, as represented, such hook being to support the ring *r* of the pair of front buttoning branch straps, *s s*, of the suspender.

90 From the above it will be seen that neither tongue of the buckle has any points or serrations to catch in or wear the strap.

I claim—

95 The buckle-frame provided with the duplex or concavo-convex tongue *e*, arranged with and adapted to such frame as described, and with the elastic curved tongue *g*, projecting from the said frame and extending down nearly to the lower bar thereof, all being substantially as set forth.

JOSEPH FRANKLIN TOWNSEND.

Witnesses:

R. H. EDDY,
S. N. PIPER.