

H. Neumann.

Buckle.

N^o 73633

Patented Jan. 21, 1868.

Fig. 1.

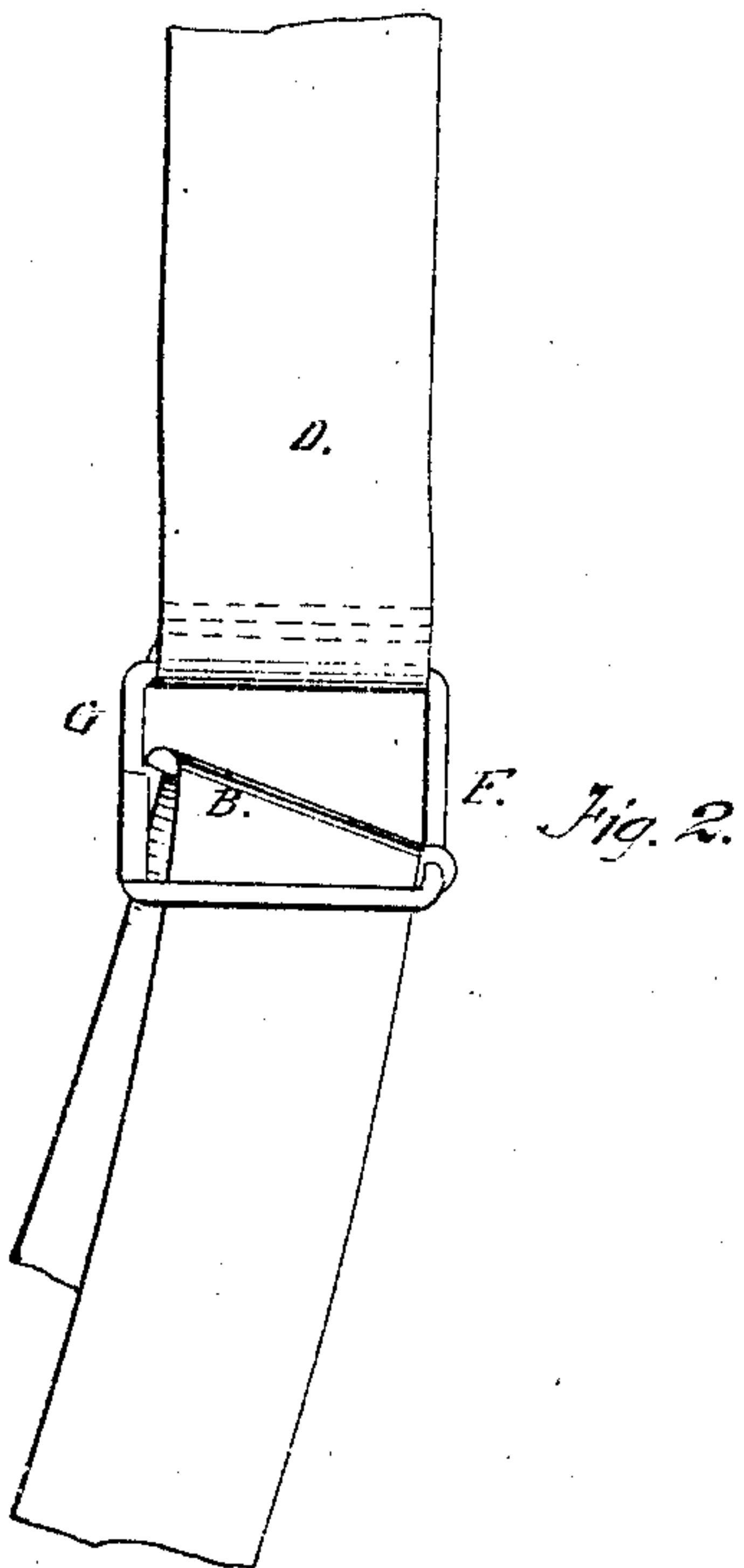
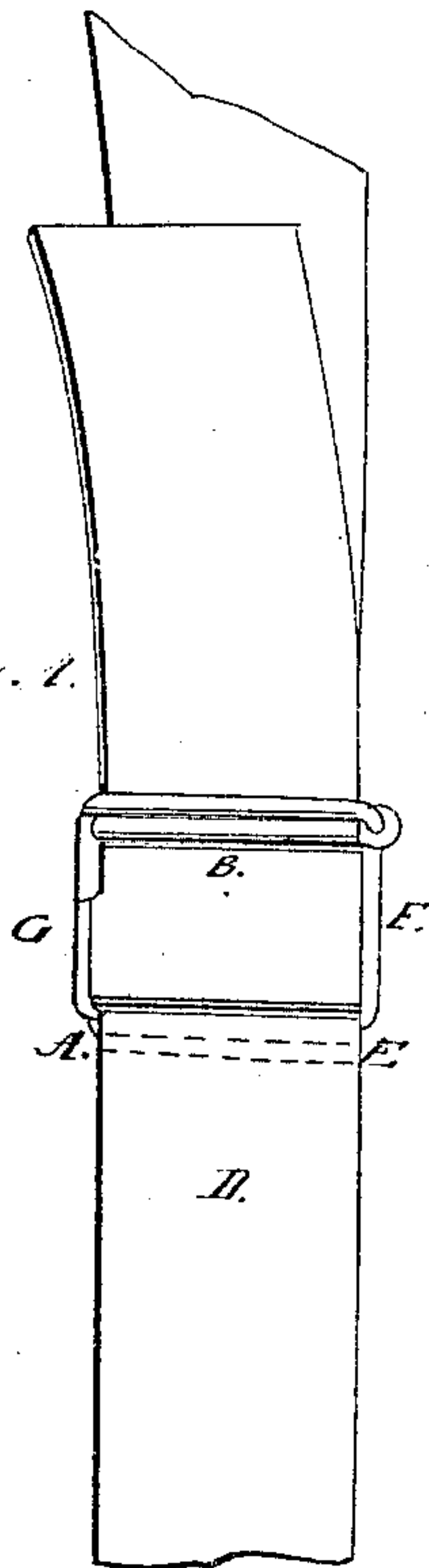
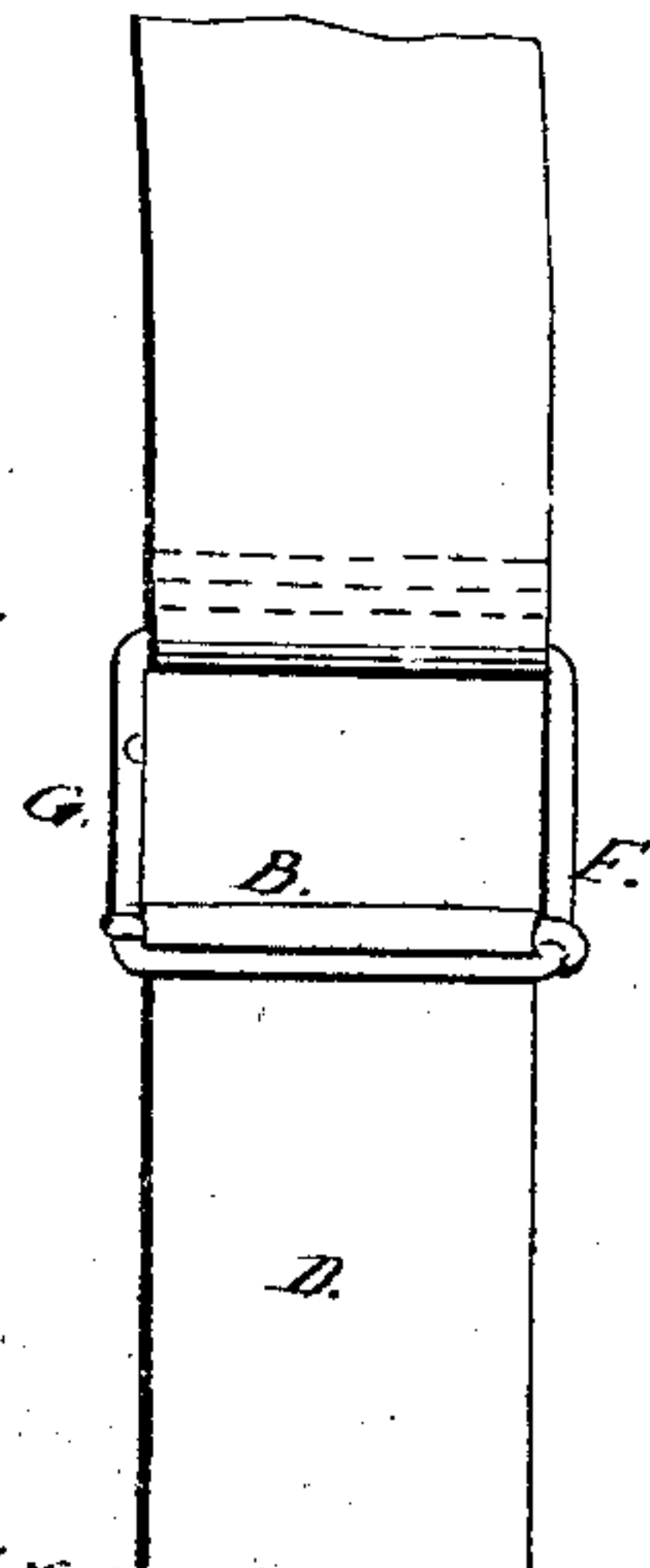


Fig. 2.



Witnesses
Geo. D. Southern
Gustav Berg.

Inventor
Hermann Neumann
Van Santvoord & Hauff attys.

United States Patent Office.

HEIMANN NEUMANN, OF NEW YORK, N. Y.

Letters Patent No. 73,633, dated January 21, 1868.

IMPROVEMENT IN BUCKLES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HEIMANN NEUMANN, of the city, county, and State of New York, have invented a new and useful Improvement in Buckles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a plan view of a buckle, made according to my invention.

Figure 2 is a modification thereof.

Figure 3 shows a buckle as it appears when the free end of the tongue is about to be swung out of the frame to receive the free end of a belt or strap.

Similar letters of reference indicate corresponding parts.

This invention relates to buckles, for securing belts or straps in wearing-apparel, and for other purposes where buckles can be applied, and more especially to buckles of the character set forth in Letters Patent granted to me on the twelfth day of February, 1867.

The present improvement consists in so constructing and arranging the tongue and the side bars, one or both, of the buckle-frame, that the free end of the tongue will be free to swing out of the frame when it is turned backwards from the front bar, thereby permitting the belt or strap, or other article which is to be fastened, to be slipped on or doubled over said tongue, and the free end of the tongue to be, in the next place, swung back again through the frame into a position where it can be moved forwards toward the front bar of the frame, in order to pinch or hold the belt or strap fast between said front bar and said tongue.

The letter A designates the buckle-frame, around whose rear bar, E, the belt or strap, D, is securely fastened. B is the tongue of the buckle. It is in this example connected with one of the side bars, F, of the frame in such a manner that it can be turned thereon, and also moved back or forth parallel with the plane of the buckle-frame. The tongue B is of such a length that its free end rests or laps upon the opposite side bar G, more or less, when said tongue is at right angles therewith, as is the case when it lies next to or parallel with the front bar of the frame, but when it is pushed away from said front bar its free end, describing a curve about the point where the tongue is connected to the other side bar, F, gradually approaches the inner edge of side bar G, and at length passes within it, so that it can be swung through the buckle-frame. Instead of connecting the tongue to the side bar F in such a way as to allow it to turn thereon, it can be rigidly attached thereto in case the tongue itself is made elastic, so as to be capable of being bent backwards and downwards. That portion of the side bar G on which the end or point of the tongue rests, may be widened by making a flange on its inner edge, to allow the end or point to rest thereon, the rear end of the flange ceasing at the point where the distance from the centre of motion of the tongue is greater than the length of the tongue, so that when the tongue is pushed backwards to that point, it is free to pass through the buckle-frame, as above mentioned. In fig. 2 I have shown a modification, consisting of a notch in the side bar G, at or near this point, through which notch the end of the tongue passes whenever it is pushed backwards so far.

By means of this construction and arrangement a belt or strap is easily unfastened, and also easily fastened again, for the tongue releases its hold of the belt or other article so soon as its point passes through the frame, and when the article is to be again fastened, it is only necessary to loop the same over the tongue, and push or swing its point back through the buckle-frame, when the tongue can again be brought towards the front bar, and hold the article fast by pressure against said front bar. The side bar G can be provided with a curved groove on its inner side or edge, to receive the point of the tongue; but this is only a modification of my invention, and does not require further description in order to be understood.

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

The arrangement of a notch or recess in the side bar G of a buckle-frame, substantially as and for the purpose described.

HEIMANN NEUMANN.

Witnesses:

C. NEUMANN,

W. HAUFF.