

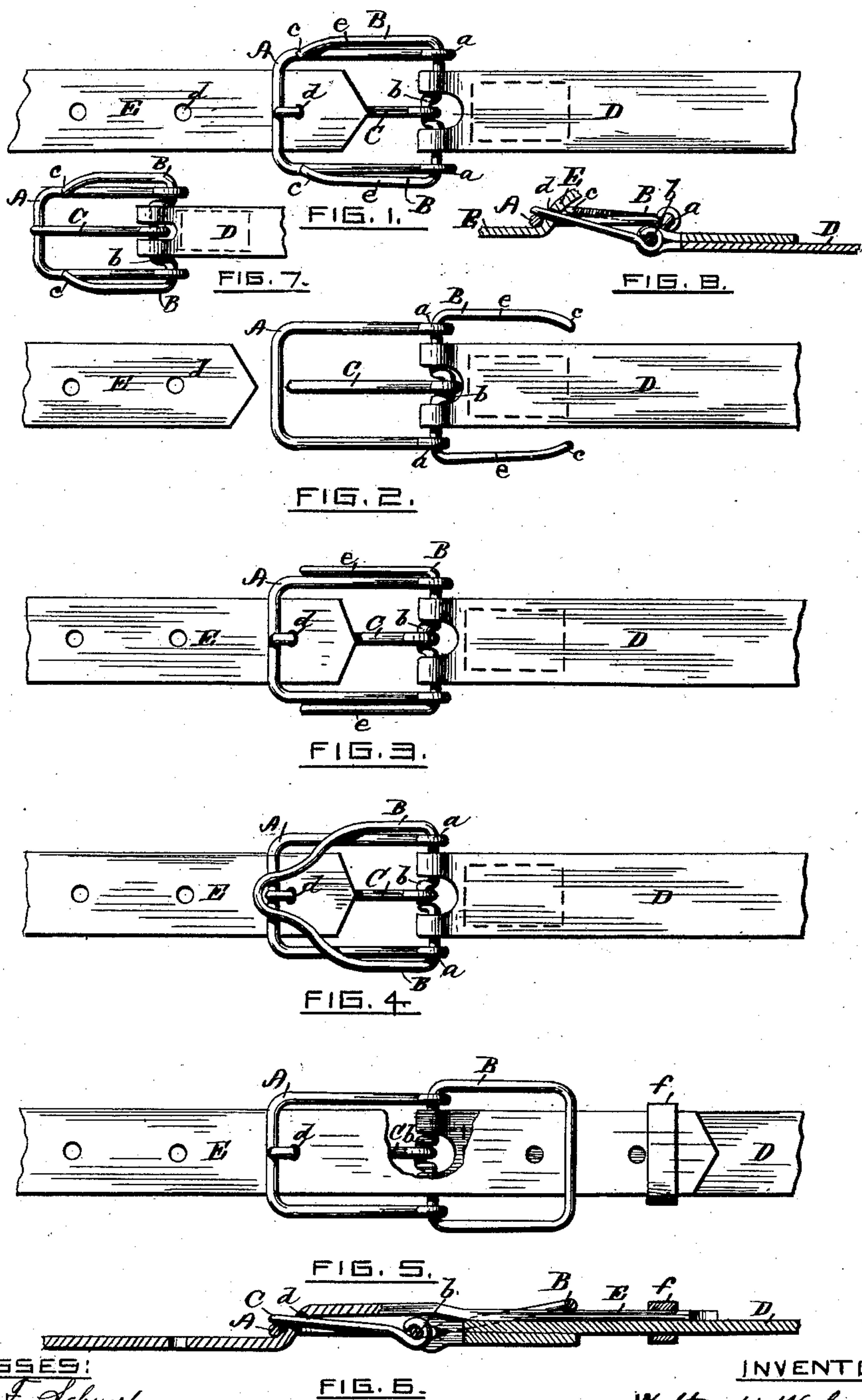
(No Model.)

W. H. WALES.

BUCKLE.

No. 336,502.

Patented Feb. 16, 1886.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WALTER H. WALES, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO HIMSELF  
AND CLARENCE EUGENE ROBINSON, OF SAME PLACE.

## BUCKLE.

SPECIFICATION forming part of Letters Patent No. 336,502, dated February 16, 1886.

Application filed August 18, 1885. Serial No. 174,758. (No model.)

*To all whom it may concern:*

Be it known that I, WALTER H. WALES, of Providence, in the State of Rhode Island, have invented a new and useful Improvement in Buckles, of which the following is a specification.

The object of my invention is to provide a buckle in which the tongue can be readily detached from the holes of the strap; and it consists in the improved construction of the buckle and its combination with the strap, as hereinafter fully set forth.

Figure 1 is a plan view of my improved buckle and the strap, shown in its buckled condition. Fig. 2 is a plan view of the same unbuckled. Figs. 3, 4, 5, and 6 are views of different modifications. Figs. 7 and 8 are plan and sectional views of a buckle in which the strap and tongue are both attached to the crank of the lever.

In the accompanying drawings, Figs. 1 and 2, A is the bail of the buckle, which is connected to the crank-lever B by means of eyes *a a*, and to the crank *b* of the lever B is connected the tongue C. The ends *c c* of the arms *e e* of the lever B may be turned inward, so as to rest against the side of the wire of the bail A, as shown in Fig. 1, when the tongue C is in proper engagement with the holes *d* of the strap E, and upon turning the lever B backward, as shown in Fig. 2, the tongue C will be withdrawn from the hole *d* in the strap E, thus conveniently releasing the strap from the buckle.

In Figs. 1 and 2 the strap D is shown as secured to the lever B at each side of the crank *b*; but in Figs. 7 and 8 the lever is so constructed that both the tongue and strap D are secured to the crank portion of the lever B, and in this case it is preferred to incline the crank *b*, as shown in the longitudinal section, Fig. 8, so that the resulting pull of the strap upon

the crank may tend to hold the ends *c c* of the lever B firmly against the side of the bail A, thus tending to prevent the accidental movement of the lever.

In Fig. 3 the arms *e e* of the lever are made straight, so as not to come in contact with the sides of the bail A. This form of construction, however, is not preferred, but may be used in some cases.

In Fig. 4 the lever B is made continuous and carried forward of the engaging-point of the tongue C, so as not to interfere with the proper action of the same, and also rests against the bail A when the tongue is engaged with the strap E.

In Figs. 5 and 6 the crank *b* is shown in a reversed position with regard to the lever B, so that the locking position of the lever will be the reverse of that shown in the previous figures, and upon the proper movement of the lever B the strap E will be released from the tongue of the buckle without the necessity of first drawing the end of the strap from the holding-band *f*, as heretofore, thus illustrating the convenience and utility of my improvement.

I claim as my invention—

1. The combination of the bail, the cranked lever, the tongue secured to the crank, and the strap secured to the crank-lever at each side of the tongue, substantially as described.

2. In a buckle, the combination of the bail, the tongue, and the cranked lever having the crank made adapted for the reception of both the strap and the tongue, and set at an angle with the arms of the lever, substantially as and for the purpose specified.

WALTER H. WALES.

Witnesses:

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