

H. SIMPSON.

TRAVELING-BAG FRAME.

No. 187,562.

Patented Feb. 20, 1877.

Fig. 1.

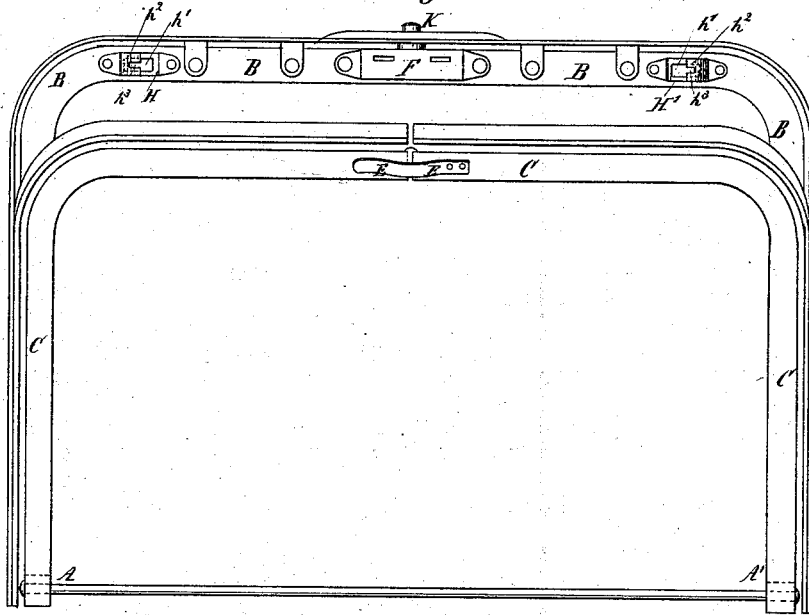


Fig. 2.

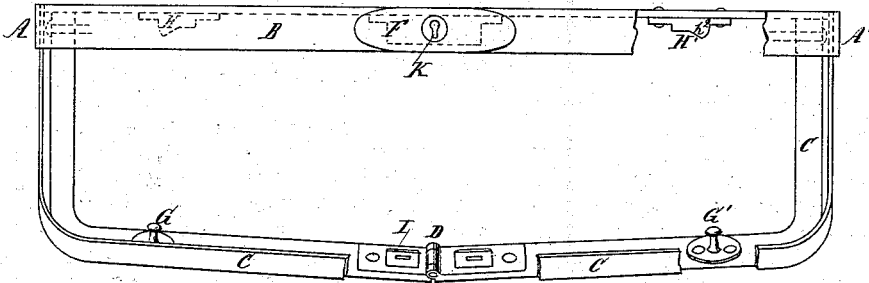


Fig. 3.



Fig. 4.

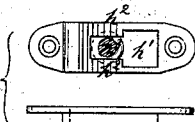
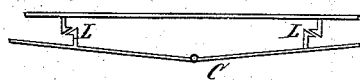


Fig. 5.



Witnesses:

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*Inventor*  
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*his atty.*

# UNITED STATES PATENT OFFICE.

HENRY SIMPSON, OF MANCHESTER, ENGLAND.

## IMPROVEMENT IN TRAVELING-BAG FRAMES.

Specification forming part of Letters Patent No. 187,562, dated February 20, 1877; application filed November 17, 1876.

*To all whom it may concern:*

Be it known that I, HENRY SIMPSON, of Manchester, in the county of Lancaster, England, have invented a new and useful Improvement in Traveling-Bag Frames; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference thereon, making a part of this specification.

The object of this invention is the construction of a frame-work and fastening for traveling-bags, whereby such bags shall be better and more readily secured at the ends simultaneously with the closing and locking of the bag in the middle.

On the accompanying drawing, Figure 1 is a front elevation, and Fig. 2 a plan, of the frame-work of a traveling-bag, shown partly open and having my improvements applied thereto.

Similar letters of reference indicate like parts in the several figures.

The frame is provided with the usual hinge-joints A and A', and the side B of the frame, carrying the lock, is made as heretofore; but the opposite side C, which carries the staples of the lock, is formed with a hinge joint, D, at or about the middle thereof. A spring, E, is applied behind the hinge D, to throw this side of the frame into the bent position illustrated in Fig. 2, when it is released from the lock F. This spring may be fixed inside the frame C, if desired. Two studs or buttons, G G', are also attached to the side C, near each of its ends, an enlarged view of one of such studs being seen in Fig. 3. These studs or buttons are designed to take into boxes H H' on the opposite side B of the frame-work. An enlarged front and top view of one of the boxes H is shown at Fig. 4.

Fig. 3 is an enlarged view of one of the studs, lettered G and G' in Fig. 2. Fig. 4 is an enlarged view of one of the boxes H and H', shown in Figs. 1 and 2, the box being represented on the top view, and also on the

front, with one of the studs engaged therein. Fig. 5 is a representation of a modification of this invention.

In closing a bag fitted with this my improved fastening, the heads of the studs or buttons G G', owing to the bent position of the side C, first enter the enlarged part  $h^1$  of the boxes H H', inclines  $h^2$  being formed on such boxes to insure this result. As the staples I of the lock F are forced home, the side C straightens, (the spring E yielding for this purpose,) causing the heads of the studs or buttons to retire behind the slots  $h^3$  in the boxes H H', (see Fig. 4,) so firmly holding the ends of the frame, while the entering of the staples I into the lock F secures the middle of the frame. By depressing the push K on the lock F, and thus releasing the staples I, the frame springs out again to its bent position, so withdrawing the studs or buttons G G' from behind the slots  $h^3$ , and the bag may then be drawn open in the usual manner.

Instead of the button-headed stud and boxes hereinbefore described, I sometimes employ a pair of hook-bolts, L, (seen in Fig. 5,) which are capable of passing each other, while the hinged side C of the frame-work is in its bent position, and of hooking or locking together as the frame-work straightens, in which position they are effectually locked by the entering of the staple or staples into the lock.

By means of this invention increased strength and security are given to the frame, which could not be obtained with any system of outside fastening, and the invention is applicable to all descriptions of traveling-bags provided with a similar metallic frame-work.

What I claim as my invention is—

The combination of a bag-frame, constructed with one side rigid and the other centrally hinged, with the lock and side studs and sockets for such studs, substantially as shown and described.

Witnesses: HENRY SIMPSON.  
JOHN J. ROYLE,  
FRED BIBBY.