

(No Model.)

H. P. COLBY.  
Seat Fastener.

No. 241,620.

Patented May 17, 1881.

Fig. 1

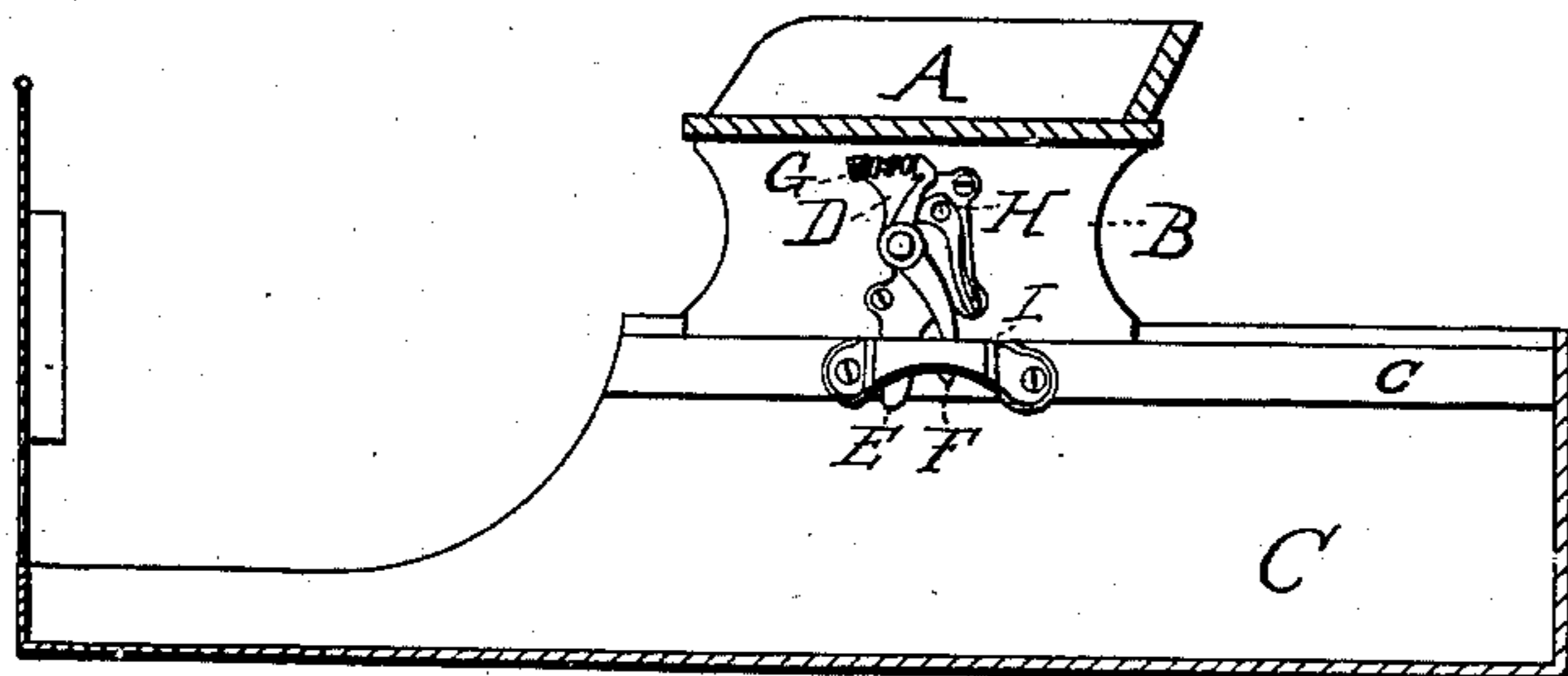
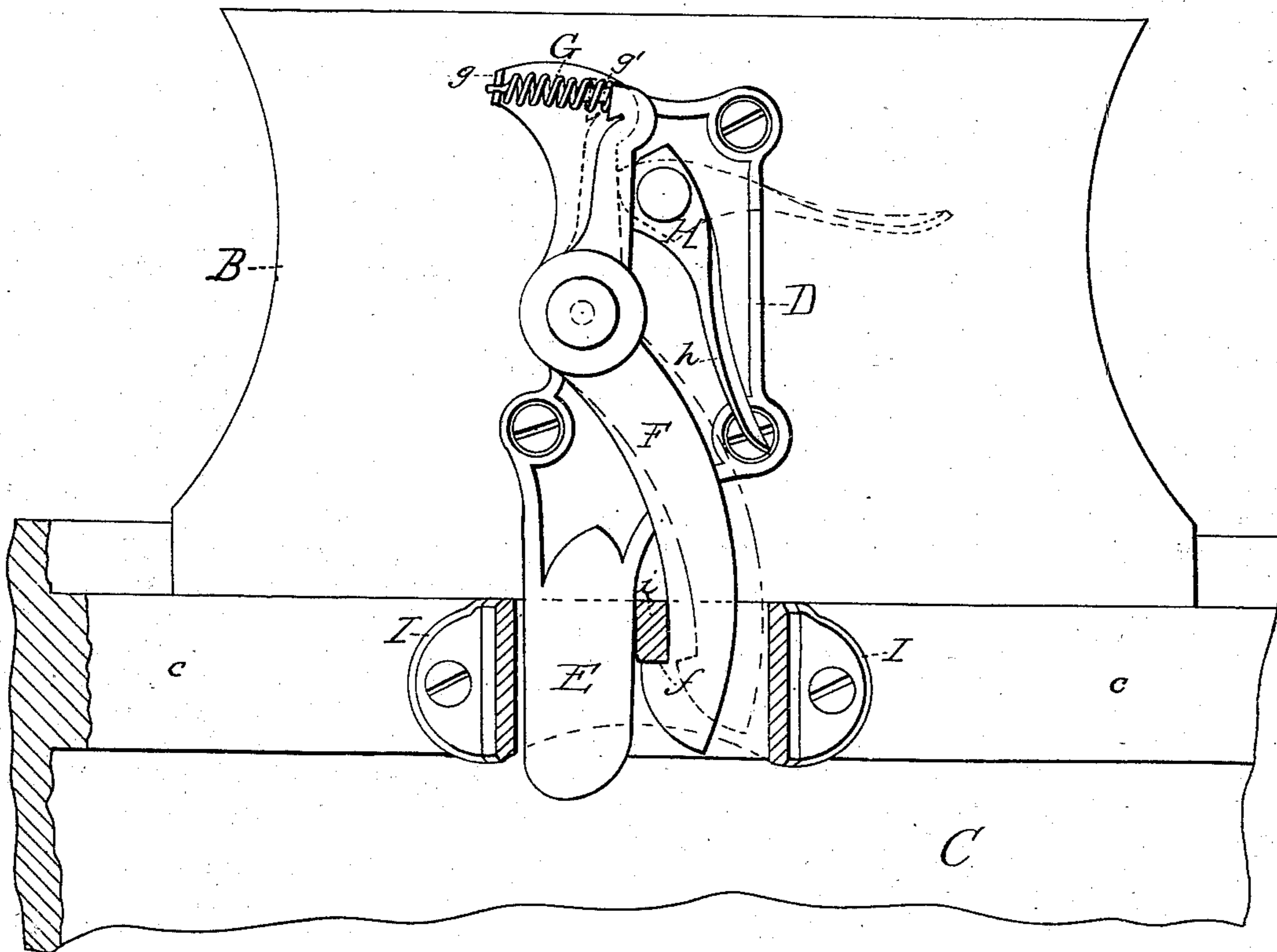


Fig. 2



WITNESSES

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# UNITED STATES PATENT OFFICE.

HARLAN P. COLBY, OF CHARLOTTE, MICHIGAN, ASSIGNOR OF ONE-HALF  
TO L. C. TAYLOR, OF SAME PLACE.

## SEAT-FASTENER.

SPECIFICATION forming part of Letters Patent No. 241,620, dated May 17, 1881.

Application filed December 23, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, HARLAN P. COLBY, of Charlotte, in the county of Eaton and State of Michigan, have invented a new and useful Improvement in Seat-Fasteners, of which the following is a specification.

The object I have in view is to produce a simple and efficient fastener for the removable seats of wagons, sleighs, and other vehicles, which will be self-locking and will hold such seats securely, preventing their displacement, and permitting them to be readily removed or adjusted and conveniently locked in position.

My invention consists in the peculiar devices employed by me for this purpose, as fully hereinafter explained, and pointed out by the claim.

In the accompanying drawings, forming a part hereof, Figure 1 is a sectional elevation of the body and seat of a spring-wagon, showing my self-locking fastener in position; and Fig. 2 an elevation of the fastener on a larger scale, with the keeper in section.

Like letters denote corresponding parts in both figures.

A is the seat of a wagon, sleigh, or other vehicle, having standards B which rest on the cleats c secured to the inner surfaces of the sides of the body C. Seats of this character are usually placed loosely on the cleats c, so that they can be wholly removed from the vehicle or adjusted farther back or forward. Such seats, when not secured, are often displaced or tipped over, and are the cause of frequent accidents.

By my invention there is secured, preferably to the inner side of each seat-standard B, near the lower end thereof, a plate, D, provided with a tongue, E, which is cast in one piece with the plate and projects down on the side of the cleat c.

To the plate D is pivoted a lever, F, which projects below its pivot, nearly down to a level with the lower end of the tongue E, and has its lower end beveled off, and provided with a shoulder, f, which forms a hook facing the tongue E. The upper end of the lever F, above its pivot, is pressed in one direction, so as to throw the hook toward the finger by a spring, G, which is secured to a lug, g, on the upper end of the plate D, and works on pin g' on the end of said lever.

To the plate D is pivoted an eccentric, H, which works against the side of the lever F opposite to and below the spring G. This eccentric has a downwardly-hanging thumb-piece, h, by throwing which upwardly the lever will be moved against the pressure of the spring and the hook swung away from the finger. By pressing the thumb-piece of the eccentric downwardly the spring will force the lever back to its normal position. The hook-lever can be forced back from its lower end against the pressure of the spring independent of the eccentric. The finger and the hook-lever of the fastener engage with a two-part keeper, I, the finger entering one socket of said keeper, while the hook-lever enters the other socket and locks with the central bar, i, of the keeper. One keeper is secured to each cleat to engage with the fastener when the seat is in the usual position. Other keepers may be secured to the cleats for fastening the seat when adjusted farther back.

In placing the seat in position it is only necessary to enter the fingers in the keepers and press down on such seat, when the hook-levers will spring into place and lock automatically with central bars of the keepers.

For removing the seats the cams are thrown upwardly so as to unlock the hooks, and the seat can then be lifted from position.

The fingers effectually prevent any horizontal or tipping movement of the seat, while the spring-hooks secure such seat against vertical movement.

It is evident that the fasteners could be put on the outside of the seat-standards and the keepers on the outside of the vehicle-box without departing from the spirit of my invention.

What I claim as my invention is—

In a vehicle-seat fastener, the combination, with the double-socket keeper, of the fastening-plate, carrying a rigid finger and a spring hook-lever, and an eccentric for retracting such lever, substantially as described and shown.

HARLAN P. COLBY.

Witnesses:

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