

(No Model.)

G. K. KELSEA.
CARD HOLDER.

No. 454,277.

Patented June 16, 1891.

Fig. 1.

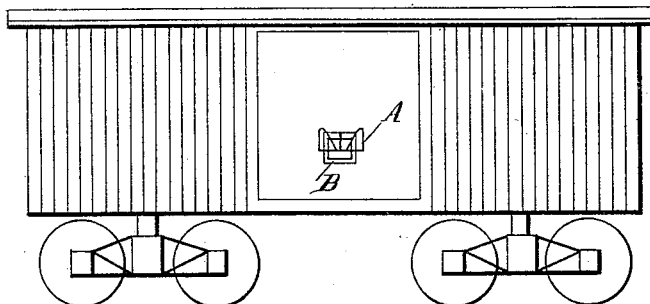


Fig. 3.

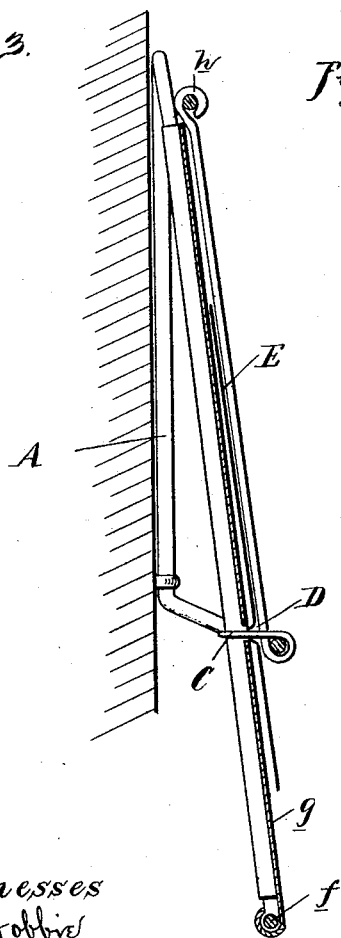


Fig. 2.

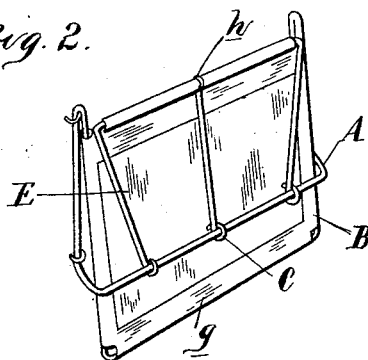
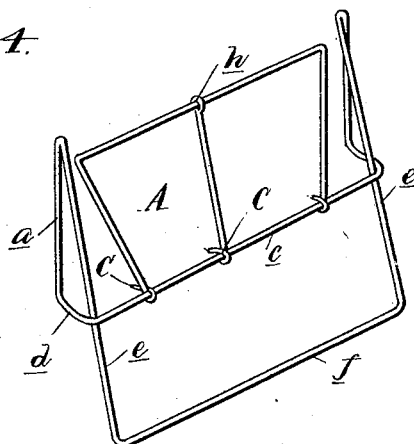


Fig. 4.



Witnesses
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Inventor
George K. Kelsea
By *Thos. A. Sprague*
Att'y.

UNITED STATES PATENT OFFICE.

GEORGE K. KELSEA, OF DETROIT, MICHIGAN, ASSIGNOR OF TWO-THIRDS
TO CHARLES H. HUTCHINS, OF SAME PLACE.

CARD-HOLDER.

SPECIFICATION forming part of Letters Patent No. 454,277, dated June 16, 1891.

Application filed November 13, 1890. Serial No. 371,361. (No model.)

To all whom it may concern:

Be it known that I, GEORGE K. KELSEA, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvement in Card-Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to new and useful improvements in card-holders especially intended to be applied to railway-cars to hold the tags or direction-cards to indicate the destination of the car.

15 The invention consists in the peculiar construction of a raised open frame secured to the side of the car and a spring-actuated plate adapted to bear against this frame, with suitable devices—such as pins—on the frame engaging through apertures in the plate for holding the card in its adjusted position.

20 The invention further consists in the peculiar construction of the frame, whereby the device is simplified in construction and the cost of manufacture greatly cheapened, all as more fully hereinafter described.

25 In the drawings, Figure 1 is a side elevation of a car to which my device is attached. Fig. 2 is a detached perspective view of the card-holder with the card in position. Fig. 3 is a vertical central section of Fig. 2. Fig. 4 is a detached perspective view of the wire frame.

30 My improved card-holder consists of two parts—a rigid open-work frame A, secured to the side of the car, and the spring-actuated plate B, secured at one end to the car and adapted to bear against the under side of the frame A by the tension of the spring.

35 The frame A is provided with a series of points or pins C, which engage through apertures D in the plate B and which, when the card E is in position, pass likewise through the card and prevent its disengagement from the holder. The card may be readily disengaged, if desired, by simply pressing down on the lower end of the plate B, which withdraws the pins from their apertures D in the plate and from the car and allows of its withdrawal. This broadly constitutes my invention. The
40 specific construction of the parts is as follows:

I take a single piece of spring-wire and bend it to form a securing portion *a*, which may be secured upon the car by means of suitable staples *b*, the cross-bar *c*, which is raised from 55 the side of and within the car by the portions *d*, bent at right angles to the securing portion *a*, and the spring-arms *e* upon either side of the cross-bar, the ends of the wires being bent toward each other to form the connecting-bar 60 *f*. The portions *e f* constitute a rectangular spring-frame, which I cover with a suitable plate *g*, preferably of tin, the tin being secured to the wire frame by turning its edges over upon the wire, as plainly shown in Figs. 2 and 65 3. The plate *g* extends to the upper end of the rectangular spring-frame.

70 *h* are a series of wires secured at their upper ends to the upper edge of the plate *g* in any suitable manner, and at their lower ends they are coiled around the cross-bar *c*, the ends being formed into the downwardly-projecting pins C, previously described. These pins may be suitably sharpened to readily puncture the card. 75

It will be seen that when this device is secured upon the car-frame the upper edge of the spring-plate will be flush, or nearly so, with the side of the car and it will slant outward gradually, being held tightly in contact with 80 the under side of the cross-bar *c*. This construction prevents accumulation of any snow, cinders, or other similar material.

The device is light, strong, and easily operated. 85

Making the plate *g* of sheet metal and having it project away from the sides of the car prevents the use of tacks to secure the card in position.

90 If the plate is withdrawn and the card adheres to the points, it is evident that it can be readily pushed off without leaving any portions attached to the car. There is also no danger of cards freezing in position or the clogging up of the device from snow or ice. 95

While I prefer the precise construction which I have shown as being the most simple of manufacture, it is evident that other forms may be devised to accomplish the same result, and I do not desire to limit myself to 100 the precise form of construction; but

What I claim is—

1. A card-holder consisting of a frame having vertical side bars connected by a cross-bar, a spring-actuated plate secured to the frame and extending back of the cross-bar, and a frame secured to the plate and cross-bar, having teeth on its lower end, substantially as described.
2. In a card-holder, the combination of a rectangular inclined frame having its upper ends bent down and extending vertically to a point at or near the center of the frame, the lower ends being bent out, a cross-bar connecting the bent-out portions of the lower ends and extending across the front of the frame, a plate on the frame, and inwardly-projecting teeth on the cross-bar, substantially as described.
3. In a card-holder, the combination of a rectangular inclined frame having its upper ends bent down and extending vertically to a point at or near the center of the frame, a cross-bar connecting the lower ends and extending across the front of the frame, an upwardly-extending frame secured to the cross-bar, inwardly-projecting teeth formed by the ends of the wires of said frame, and a plate

secured to the inclined portion of the rectangular frame and to the upper end of the upwardly-extending frame, substantially as described.

4. As an article of manufacture, a card-holder consisting of a wire frame bent to form the securing portions *d*, a cross-bar *c*, and the rectangular spring-frame *e f*, of the plate *g*, secured thereto, and the wires *h*, secured at one end to the plate and at the other end to the cross-bar and having their ends extending below the cross-bar and forming the pins *C*, substantially as described.

5. In a card-holder, the combination, with a spring-actuated plate, of the raised frame *A*, consisting of the cross-bar *c* and the wires *h*, and the pins *C*, formed by the downwardly-projecting ends of the wires *h*, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE K. KELSEA.

Witnesses:

M. B. O'DOHERTY,
P. M. HULBERT.