

E. P. FROST.  
 COMBINED HOLDER AND CUTTER FOR MILEAGE RAILROAD TICKETS.  
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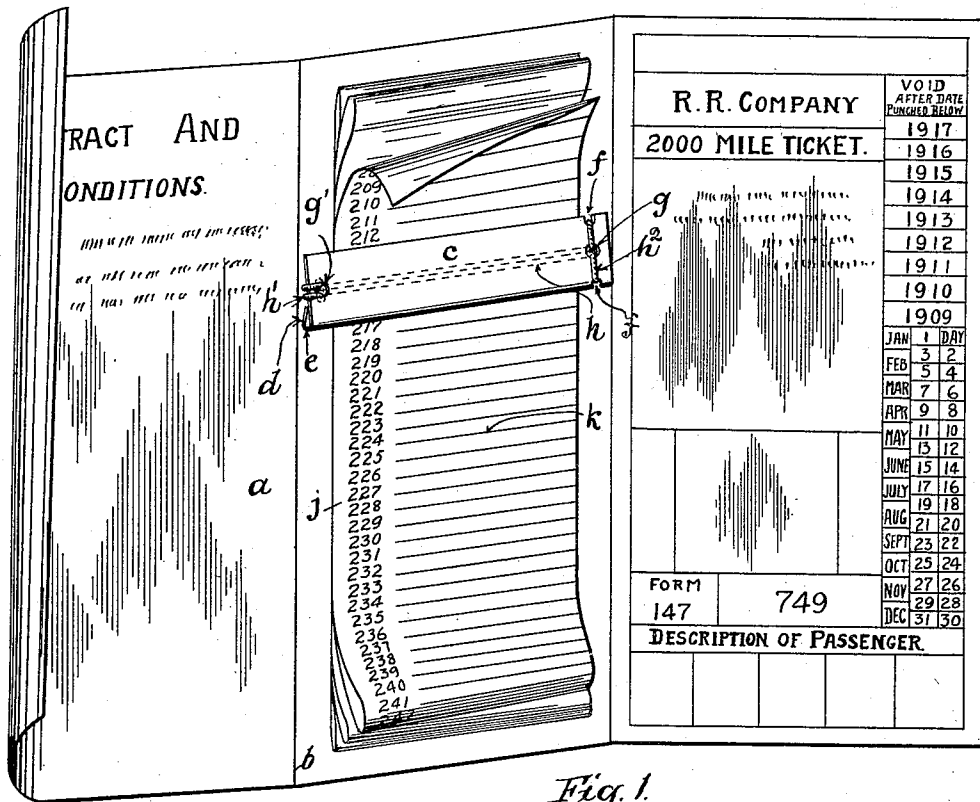


Fig. 1.

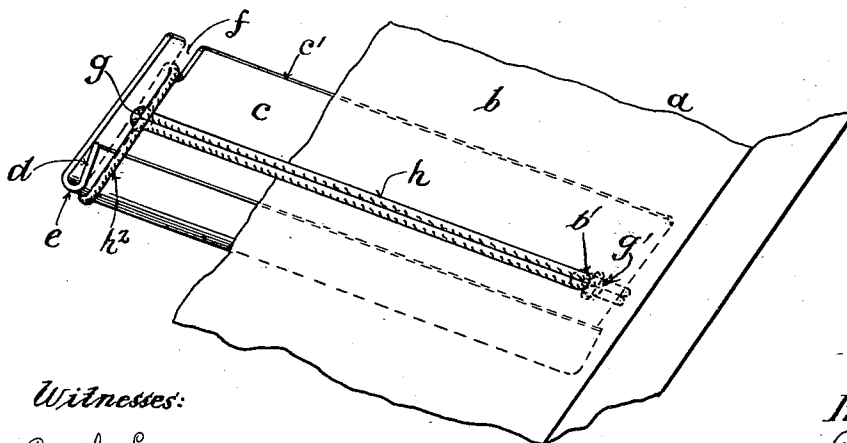


Fig. 2.

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# UNITED STATES PATENT OFFICE.

EDWARD P. FROST, OF PORTLAND, OREGON.

COMBINED HOLDER AND CUTTER FOR MILEAGE RAILROAD-TICKETS.

1,011,888.

Specification of Letters Patent.

Patented Dec. 12, 1911.

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*To all whom it may concern:*

Be it known that I, EDWARD PARKER FROST, a citizen of the United States, and a resident of Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Improvement in Combined Holders and Cutters for Mileage Railroad-Tickets, of which the following is a specification, reference being had to the accompanying drawings as constituting a part thereof.

This invention concerns that class of tickets issued generally by railroads in the form of "Mileage tickets" and "Scrip book" and now extensively used by commercial travelers; such tickets consisting of a ribbon-like long strip of paper on which are printed a series of parallel, horizontal lines numbered consecutively, and representing one mile distances. To avoid unduly lengthening such ticket-strips the mileage subdivisions on the face thereof are printed as closely together as possible, and this requires accuracy in tearing off the unused portion of the ticket. Furthermore, means are required for conveniently holding the ticket strip in place between its covers.

My invention, therefore, has for its object to provide a simple and convenient means for holding such ticket-strip in place, which holding means are adapted to permit the forward movement of the ticket-strip without danger of tearing the same, and includes a cutter edge, against which that portion of the ticket-strip to be removed may be accurately torn off.

I attain my object by the means illustrated in the drawings in which:

Figure 1 shows one common form of a mileage ticket-book, the covers of which are opened up and show the ticket-strip held in place by my device; Fig. 2 is an exaggerated detail showing a portion of the back of the mileage book, and the under side of my device attached thereto.

The mileage book-cover, *a*, represents one of the usual type, and having attached thereto a ticket-strip *j*. To the central part, *b*, thereof is affixed, near the top, my combined holder and cutter *c*, the construction of which is more readily observed from Fig. 2. It is a plate made of metal, having its bottom edge-strip *d* turned under, so as to form a rounded spacing rib *e*. The cutter plate *c* has perforations *g*, *g'* at its opposite ends, to which the ends of the rub-

ber band or cord *h* are fastened as follows: The end *h'* of the rubber band is in the first instance inserted downward through the hole *g'* of the cutter plate *c* and opened out and the opposite end *h<sup>2</sup>* of the band *h* is inserted through such open-out end *h'* and thence through a hole *b'* in the central cover part *b*, the opposite band end *h<sup>2</sup>* is thence inserted upward through the hole in the central cover part *b* registering with the hole *g* of the cutter plate *c*, thence up through said hole *g*, and the band end *h<sup>2</sup>* finally is opened out and arranged crosswise and in loop-form over the notched end of the cutter plate, the looped end *h<sup>2</sup>* of the band *h* being held in place by the notch or notches *f* located in alinement with the hole *g* of the cutter plate. The plate *c*, because of the tension of the rubber band *h*, holds the ticket-strip securely in place, at the same time permits the forward movement of the latter, without danger of being torn, for the lower edge, *e*, being rounded allows the free movement of the strip under it. The upper edge, *i*, however is adapted to constitute an effective straight edge, against which the portion of the mileage strip to be removed may be accurately torn off. The turned-under edge *e* of my cutter-plate operates to lift that side, and in so doing inclines the cutter-plate, and brings its cutting edge close to the paper, thus in shearing position. This arrangement particularly adapts my cutter-plate to operate efficiently in tearing off the strips when the ticket is printed on thin paper, as is customary. It will be noted that the rib *d* holds the cutter plate *c* at an inclination to the underlying ticket strip whereby the bottom sharp angle *e'* of the cutting edge of the cutter plate is brought firmly upon the underlying ticket strip by the elastic band *h*.

The utility of my device is evident. As mentioned, the horizontal lines, *k*, consecutively numbered, represent distances of one mile each. Conductors are required to "make the detachment in the space between the lines" but in the rush of business it frequently occurs that by reason of the imperfect means provided for effecting the detachment, the used portion of the ticket-strip is inaccurately torn off, causing constant loss to the traveler, and which losses, though insignificant by themselves, collectively amount frequently to considerable sums.

In the use of my device, the ticket-strip is first drawn forward to the place where the used portion is to be detached, and then the plate *c* may be held firmly upon the ticket  
5 by the left hand and the detachment made by the right hand.

I claim:

10 The combination with a holder for a strip ticket, of a flat cutter-plate having a longitudinally cutting edge and having its opposite edge bent under to form a spacing rib resting on the ticket strip inserted under the cutter and inclining the latter so as to

bring the bottom sharp angle of its cutting edge upon the underlying ticket strip, and  
15 an elastic band passing through the holder and fastened to the ends of said cutter plate close to said cutting edge for holding the cutter plate on the underlying ticket strip and forcing its cutting edge firmly against  
20 said strip.

EDWARD P. FROST.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."