

I. Hyde,

Alarm Ticket Nipper.

No. 105459.

Patented July 19, 1870.

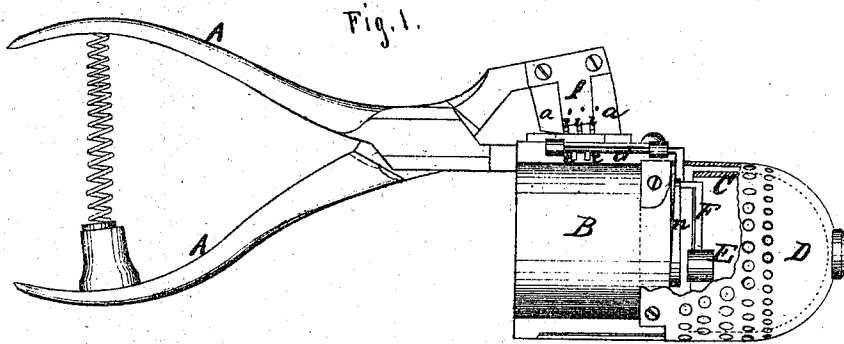


Fig. 2.

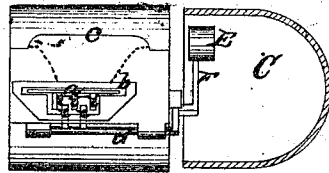
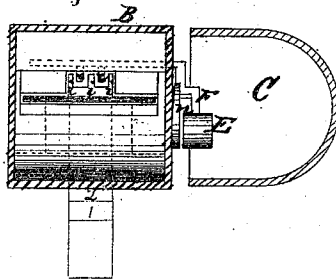


Fig. 3.



Witnesses:
Geo. H. Strong,
Wm. R. Boone

Inventor.
I. Hyde

UNITED STATES PATENT OFFICE.

REISSUED

ISAAC HYDE, OF OAKLAND, CALIFORNIA.

IMPROVEMENT IN ALARM TICKET-NIPPERS FOR COUPON-TICKETS.

Specification forming part of Letters Patent No. 105,459, dated July 19, 1870.

To all whom it may concern :

Be it known that I, ISAAC HYDE, of Oakland, county of Alameda, State of California, have invented an Improved Alarm Ticket-Nippers for Coupon-Tickets; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The object of my invention is to provide an improved nipper for coupon-tickets, such as are employed on street-railways, and in which a sort of cutting-jaw or knife is so attached to a receiving-box that by pressing the handles together a coupon can be detached and left within the box:

The nature or essence of my invention consists in providing a peculiar device for causing a signal or alarm bell attached to the nippers to be struck and sounded whenever a coupon is detached from a ticket, so as to advertise the fact to all the passengers, and thus to have the effect of preventing any fraudulent maneuver on the part of the conductor.

Referring to the accompanying drawings for a more complete explanation of my invention—

Figure 1 is a side view. Fig. 2 is a top view, showing the knife and its appendages. Fig. 3 is a section showing inside.

A A are the handles of a pair of ordinary nippers, having a cutting-blade, *a*, which, on pressing the handles together, moves into a slot, *b*, in the box B, and severs a coupon from a ticket, which is introduced through a slot at *c*, so as to stand at right angles with the cut-

ting-blade. Within the bell is a hammer, E which is supported by an arm, F. This arm is fastened to a rotating shaft, *d*, which turns in boxes on the side of the box B. Two small fingers, *ee*, project from the side of the shaft *d* through an opening and extend to a point near the cutting blade *a*. A plate, *f*, is fastened to one side of the blade, and from its lower end, near the edge of the blade, fingers *ii* project, so as to extend between and alternate with the fingers *e*, or so that when the handles are closed without anything being introduced the fingers *i* will simply pass by the fingers *e*, and no stroke of the bell be heard; but when a ticket is introduced so as to be cut, it forms a bridge, as it were, and the fingers *i* press the severed coupon against the fingers *e*. This rotates the shaft *d*, and, through the arm F, draws the hammer E back. The moment the coupon passes into the box the fingers *e* are released, and a spring, *n*, forces the hammer to strike the bell. The alarm may be constructed and attached in various other ways, but I have found the one described to be the most efficient and convenient.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The alternating fingers *e* and *i*, and the rotating shaft *d*, with the arm F, substantially as and for the purpose herein described.

In witness that the above-described invention is claimed by me I have hereunto set my hand and seal.

ISAAC HYDE. [L. s.]

Witnesses:

W. R. BOONE,
GEO. H. STRONG.