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MEANS TO PREVENT MISUSE OF A TICKET ISSUING MACHINE BY THE INTRODUCTION OF AN INSTRUMENT THROUGH THE TICKET DELIVERY SLOT

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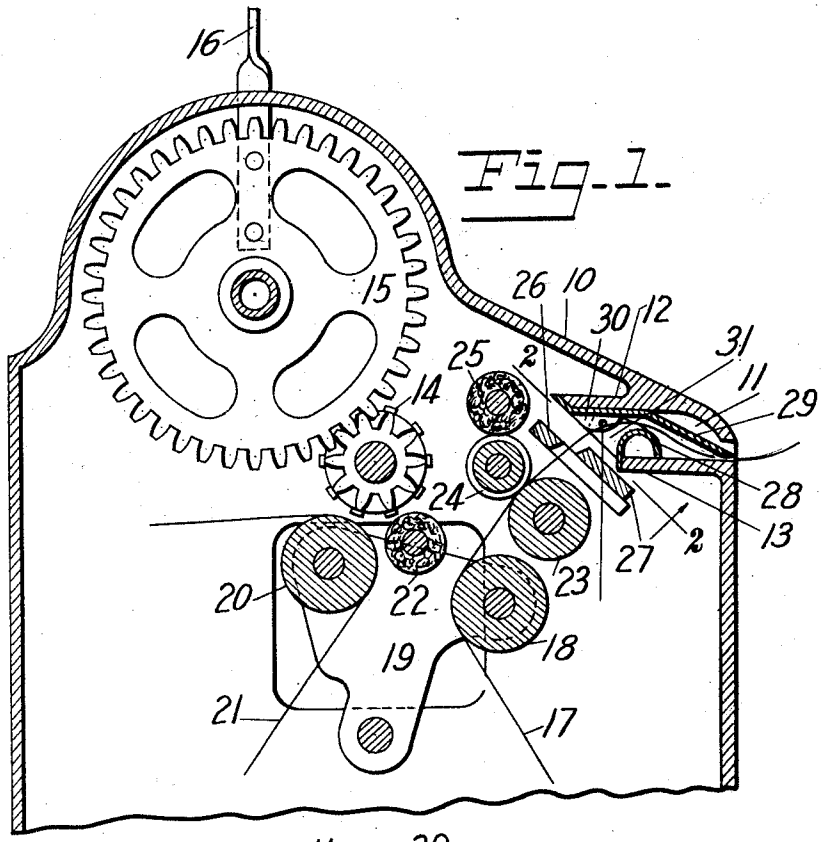


Fig. 1.

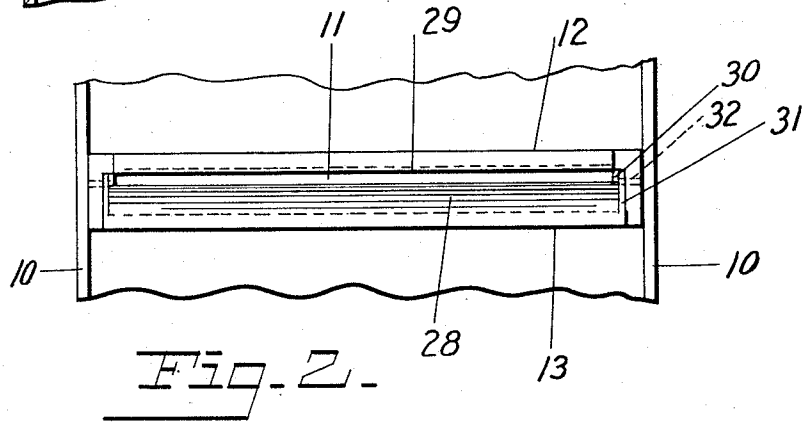


Fig. 2.

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UNITED STATES PATENT OFFICE

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MEANS TO PREVENT MISUSE OF A TICKET ISSUING MACHINE BY THE INTRODUCTION OF AN INSTRUMENT THROUGH THE TICKET DELIVERY SLOT

Application filed October 22, 1926. Serial No. 143,323.

This invention relates to an improved means to prevent damage to a machine of the type described in the application of Albert S. Wheelbarger and Grover C. Coil Serial No. 65,532, by the introduction of foreign matter such as a screw driver, piece of wire, or other hard substance. In cash registers or other machines such as described in the said application, it has been found that sometimes persons wantonly insert hard material such as a screw driver through the ticket delivery slot and into the knife mechanism, whereby the machine is seriously damaged when it is operated. The object of this invention is to prevent such wanton misuse of the machine while at the same time the means employed readily permit of the egress of the printed ticket or of a plurality of tickets.

Another object of the invention is to provide means to oppose the introduction of any material through the exit end of the ticket delivery slot.

A further object of the invention is to provide means whereby if a person wantonly attempting to misuse the machine is successful in introducing the foreign substance, such substance will be deflected from the knife mechanism so that no damage will be occasioned when the machine is subsequently operated.

With these and other objects in view as will appear in the detailed specification which follows, we have shown one embodiment of the invention by way of illustration in the accompanying drawings in which

Fig. 1 is a cross-sectional elevational view of the machine, and

Fig. 2 is a view taken on the line 2—2 of Fig. 1, looking in the direction of the arrows.

Referring more particularly to the drawings in which like reference characters are used throughout to designate corresponding parts;

The casing 10 is provided with a ticket exit slot 11 having an upper wall 12 and a lower wall 13. The forward part of the upper wall 12 is curved downwardly as shown in Fig. 1. Type wheels 14 are provided which are actuated by means of gears 15 and hand levers 16. A ticket strip 17 passes over the rotatable platen 18 mounted on the platen carrier 19 which carrier also carries a rotatable platen 20 over which passes a record strip 21. The carrier 19 also carries an inking roller 22 adapted to ink the type on the wheels 14. The ticket strip 17 is carried by the platen 18 beneath the type wheels 14 where the ticket is partly printed, and then passes over a platen 23 and below an electrotype 24 which is inked by an inking roller 25, the electrotype 24 printing the remainder of the ticket. After the ticket has been printed it passes between the blades 26 and 27 of a knife mechanism and is ejected through the slot 11. All of this structure is described in the said application of Wheelbarger and Coil, Serial No. 65,532.

In order to prevent the introduction of any foreign matter such as a screw driver or other metallic body through the slot 11 and between the knife blades 26 and 27, baffle plates 28 and 29 are provided in the slot 11. The baffle plate 28 is substantially circular and is curved inwardly from the inner end of the wall 13 outwardly and downwardly to the upper side of wall 13. The baffle plate 29 extends downwardly and inwardly along the inner edge of the wall 12 thence outwardly along the lower surface of the wall 12 and downwardly, terminating at approximately the edge of the casing 10 and immediately above the lower wall 13 of the slot 11. The baffle plates 28 and 29 may be secured to the casing by any suitable means such as by ears 30 and 31, through which passes a pin 32 secured in the sidewalls of the slot 11. The baffle plate 29 is made of resilient material so that if a number of tickets were to be issued to one purchaser the tickets would slightly raise the outer end of the baffle plate 29.

Obviously, if the person desiring to damage the machine should introduce a piece of wire above the baffle plate 29 it could travel no further than the point where the baffle plate 29 meets the upper wall 12. If he introduced it beneath the baffle plate 29, it would strike the baffle plate 28 which rises at approximately right angles from the lower wall 13. If he realized why his efforts were proving unsuccessful he might bend the wire

so that he could introduce it below the baffle plate 29 and cause it to travel over the baffle plate 28. His efforts would still be unsuccessful, however, for the baffle plate 28 would deflect the instrument above the blades 26 and 27 so that he could not introduce the instrument between said blades and, therefore, no damage could result when the machine is subsequently operated. The only damage which could result from such unauthorized and wanton use would be the mutilation of one of the tickets, but the machine itself would be undamaged.

Obviously, many changes might be made in the specific embodiment shown by way of example in this application. It is, therefore, desired to claim the invention broadly in whatever form it may be embodied.

Having now described our invention, we claim:

1. In combination, a casing provided with a slot, and a knife mechanism within said casing and adjacent said slot, of a baffle plate mounted on the lower wall of said slot, said baffle plate being substantially semi-circular, the inner end of said baffle plate rising substantially perpendicular from the upper portion of said wall, and of a second baffle plate mounted on the upper wall, said baffle plates serving as a means to retard the introduction of an instrument through said slot and preventing an instrument so introduced from reaching said knife mechanism.

2. In combination, with a casing provided with a slot having upper and lower walls, a knife mechanism within said casing and adjacent said slot, of baffle plates mounted on the upper and lower walls of said slot, the baffle plate carried by the upper wall extending outwardly and downwardly from the inner part of said wall and terminating adjacent the upper surface of the lower wall, the second baffle plate carried by the lower wall serving as a means to retard the introduction of an instrument and to prevent said instrument from reaching said knife mechanism.

In testimony whereof we affix our signatures.

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