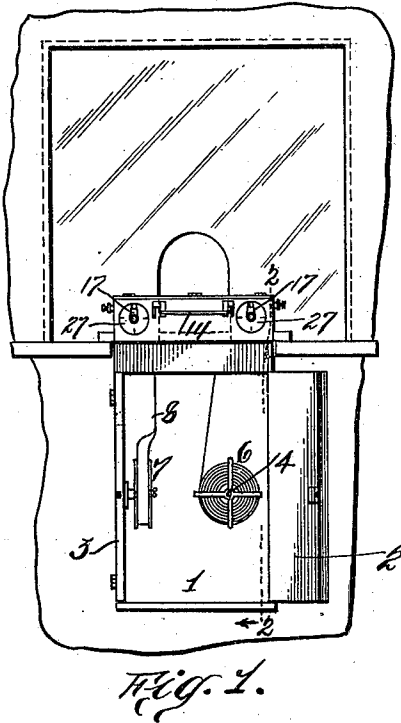
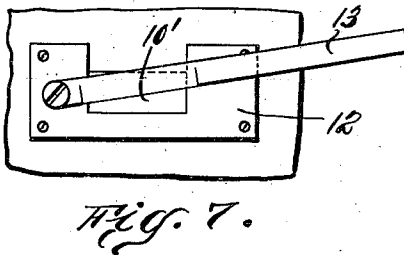
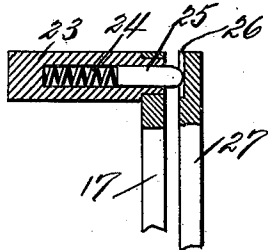
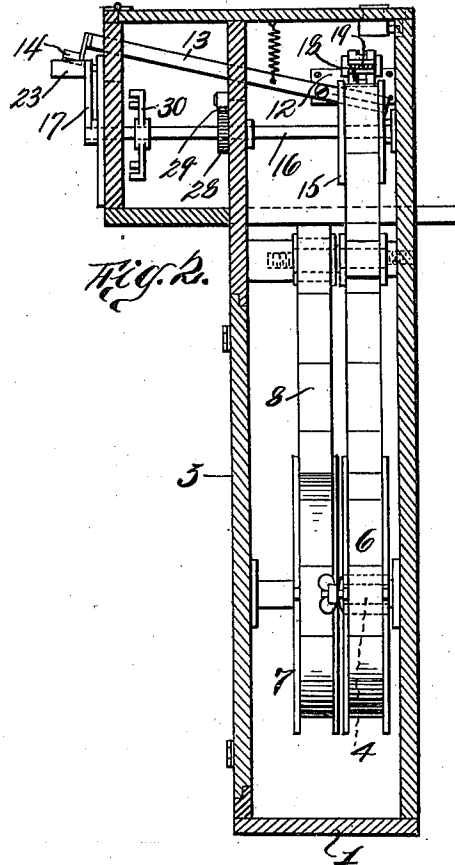
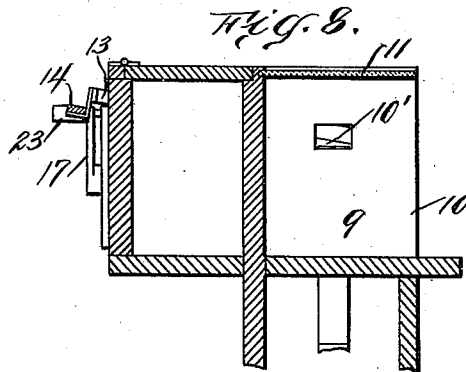


D. SANNEMAN & E. S. MAYLAND.
TICKET DELIVERING APPARATUS.
APPLICATION FILED APR. 16, 1910.

989,647.

Patented Apr. 18, 1911.

3 SHEETS-SHEET 1.



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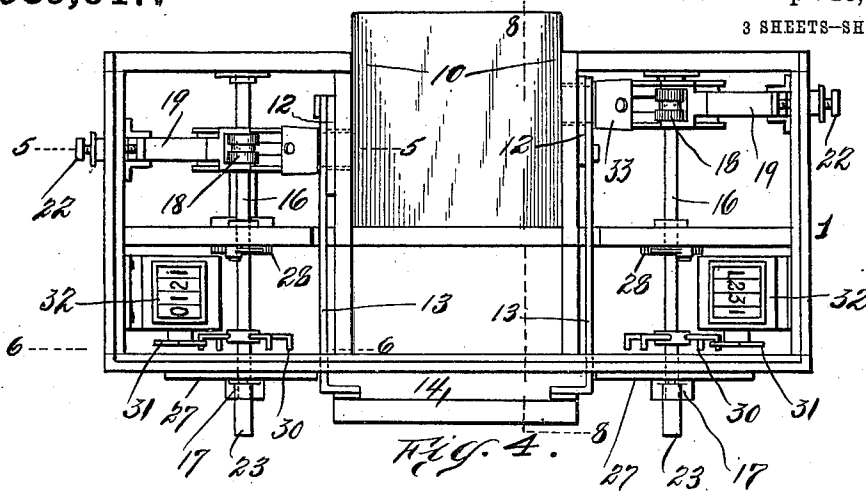
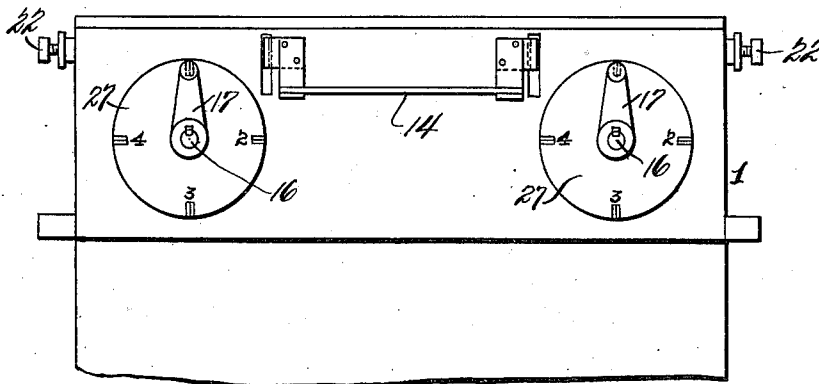
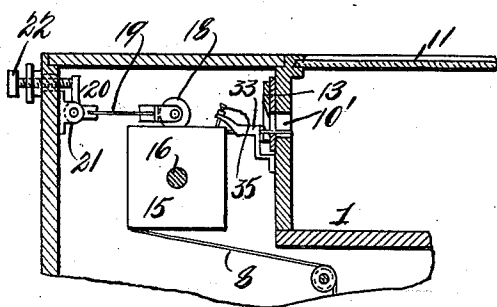
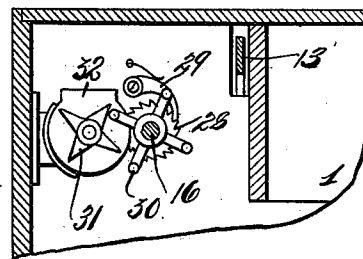
TICKET DELIVERING APPARATUS.

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3 SHEETS-SHEET 2.



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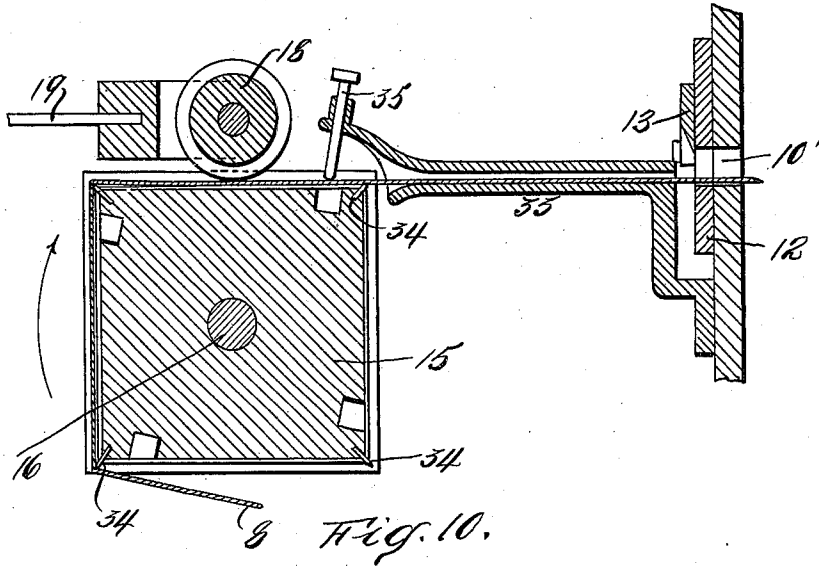
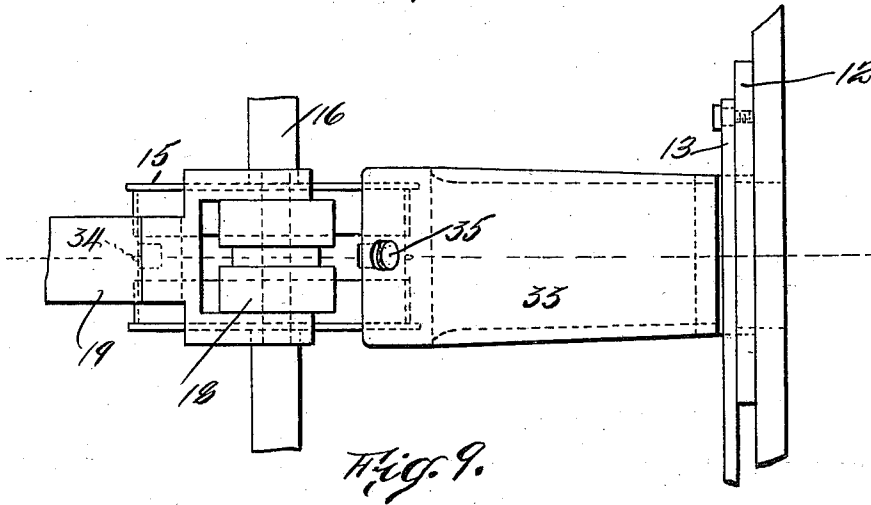
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3 SHEETS—SHEET 3.



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UNITED STATES PATENT OFFICE

DIEDRICH SANNEMAN AND EDWIN S. MAYLAND, OF NEW YORK, N. Y., ASSIGNORS TO
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TICKET-DELIVERING APPARATUS.

989,647.

Specification of Letters Patent.

Patented Apr. 18, 1911.

Application filed April 16, 1910. Serial No. 555,844.

To all whom it may concern:

Be it known that we, DIEDRICH SANNE-
MAN and EDWIN S. MAYLAND, citizens of
the United States, residing at Brooklyn, in
the county of Kings, city and State of New
York, have invented certain new and useful
Improvements in Ticket-Delivering Appa-
ratus, of which the following is a clear, full,
and exact description.

The object of this invention is to provide
an improved device for delivering tickets
which will prevent the ticket seller from
collusively obtaining previously sold tickets
and reselling them.

In carrying out this invention, we provide
a device for use at the ticket seller's window,
which has a glass covered receptacle open
away from the ticket seller, so that it can-
not be reached by the seller, but which open-
ing will be in front of and convenient to the
purchaser.

A further object is to provide a feeding
roller or block which will automatically take
up a variance of length of the tickets of a
strip that the same length of ticket will be
delivered to the knife.

We provide a reel of tickets in an inclosed
box, and suitable driving mechanism adapt-
ed to be controlled by the seller to advance
such tickets into the compartment before
referred to in different quantities 1, 2, 3 or
4, etc. We provide cut-off mechanism to
sever the tickets from the strip operated by
the ticket seller.

In our preferred construction, we prefer
to provide a second set of tickets on the
opposite side from the first set referred to,
providing independent delivering devices
for control by the seller for each delivering
device. In each instance, we provide separ-
ate cut-off mechanism, both however of
which may be operated from a common oper-
ating bar adjacent to the seller's hand.

The scope of our invention will be pointed
out in the claims.

In the accompanying drawings, Figure 1
is a rear elevation of our improved device
with the doors to the ticket containing cabi-
net open. Fig. 2 is a section drawn to an
enlarged scale on line 2-2 Fig. 1. Fig. 3
is an enlarged detail of the upper part of
the device, showing the levers and cut-off bar
for operation by the ticket seller. Fig. 4
is a top plan of our improved device with

cover plate removed. Fig. 5 is a section
taken on line 5-5 Fig. 4. Fig. 6 is a sec-
tion taken on line 6-6 Fig. 4. Fig. 7 is a
detail of the knife cut-off. Fig. 8 is a sec-
tion on line 8-8 Fig. 4. Fig. 9 is a detail
of the resilient detent for holding the deliv-
ery lever in its proper position. Fig. 10 is
a side elevation of the block 15. Fig. 11 is
a plan view of Fig. 10.

As shown in the drawings, this device con-
sists of a box or compartment 1 provided
with a pair of hinged doors 2-3. Within
the box on a spindle 4 there is mounted a
paper reel of tickets 6. On the door 3 there
is mounted a similar ticket reel 7 with its
strip of tickets 8, so that when the two doors
are closed the reels will occupy a position
with their axes parallel as shown in Fig.
2. Above the compartment 1 there is pro-
vided a central compartment 9 with an open
front 10 facing the purchaser, and away
from the ticket seller. This compartment 9
is preferably provided with a glass cover or
roof 11, that the ticket seller may see what
takes place within the compartment 9.

The compartment 9 is provided with a
pair of open windows 10', shown in Fig. 8,
through each of which a strip of tickets
may be passed. Each window 10' is pro-
vided with a stationary plate 12, and a
cut-off knife 13. As there is a window 10'
on each side of the compartment 9, and as
there are two cut off knives 13 extending
rearwardly through openings to be grasped
by the operator, we prefer to connect these
knives by a common bar 14 directly in front
of the ticket seller, so that the bar upon
its operation will cut the tickets from either
side. To cause the tickets to be delivered
through a window 10' we may provide any
proper driving mechanism, but as shown
in the drawings, we prefer to provide a
block 15 mounted on a shaft 16 extending
through the rear wall of the box, and con-
veniently disposed to the seller's left hand.

To insure proper feed, a polygonal block
15 four sided in this instance, is provided
against the tickets on which a roller 18
presses. Each side of the block is equal
to the average length of the tickets, which
are scored in general practice. A chute
33 leads from near the rotating block 15 to
the window 10'. Pins 34 are provided at
the corners of the block to engage the score

of the tickets, the roller 18 having a groove straddling the pins.

A latch 35 normally riding on the tickets is adapted to drop where the tickets are exhausted, and engage the block 15 to prevent its further rotation. A lever 17 fast on the shaft 16 is provided to rotate the shaft to advance the block 15 one, two, three or four steps, thus delivering one, two, three, or four tickets into the compartment, so that the cut-off knife may sever such tickets, which tickets when severed may be taken out of the delivery compartment 9 by the purchaser.

To insure proper delivery of the tickets from the block 15, we provide a roller 18 mounted on the end of a strong spring 19, fast in a bell crank lever 20, secured to the bracket 21 at one side of the compartment. An adjusting tension screw 22 may be provided to increase the frictional contact of the rollers 18 and block 15 upon the tickets.

We prefer to provide the lever 17 with a handle 23, having a spring 24, and a pin 25 in a recess of the handle operated thereby, the pin adapted to drop into pockets or recesses 26 in an indicating plate 27 secured to the rear of the device, and through the center of which the shaft 16 turns so that the operator by sense of hearing or by feeling the pin 25 click into any one of the pockets or recesses, will know how many tickets she has delivered into the compartment 9.

We provide on the shaft 16 a ratchet wheel 28 prevented from turning in one direction by a pawl 29, but free to turn in the proper direction for the delivery of tickets. We also provide counting arms 30 on a spider mounted fast on the shaft 16 to engage the spider 31 of an ordinary counting device indicated by 32.

In operation the left hand tickets may be 5¢ tickets and the right hand tickets 10¢ tickets. The purchaser presents himself in front of the ticket seller's window, and asks, for instance, for two 5¢ tickets and one 10¢ ticket. The operator immediately throws the levers; the left hand lever until she hears two clicks, or feels two clicks of the pin, the right hand lever until she hears one click; then with either one of her hands, which may still have hold of a lever, she quickly lowers the cut-off bar and cuts off the three tickets desired, accepting the money from the purchaser through the window, but at no time being authorized to deliver any tickets through such window.

In carrying out this invention, details of construction may be varied from those shown, and yet the essence of the invention be retained; some parts might be employed without others, and new features thereof might be combined with elements old in the art in diverse ways, although the herein de-

scribed type is regarded as embodying substantial improvements over such modifications.

As many changes could be made in the above construction, and many apparently widely different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted in an illustrative and not in a limiting sense.

It is furthermore desired to be understood that the language used in the following claims is intended to cover all the generic and specific features of the invention herein described, and all statements of the scope of the invention which as a matter of language might be said to fall therebetween.

We claim as our invention:

1. The herein described ticket selling apparatus, comprising a compartment for the receipt of tickets to be obtained by purchasers, a compartment for containing a strip of tickets, ticket delivering mechanism, a shaft therefor, said shaft extending outside of the compartment, a lever for operating said shaft, and a cut-off knife, and its handle, the handle being adjacent to said lever, the driving mechanism comprising a polygonal block and a friction producing wheel bearing upon the tickets passing around said block, mechanism for preventing the backward rotation of said shaft.
2. A ticket delivering apparatus comprising a compartment open on one side, provided with a pair of windows on opposite sides, ticket delivering mechanism adapted to deliver strips of tickets one to each window, operating handles for controlling said ticket delivery extending rearwardly, and in front of the ticket seller, a pair of cut-off knives adjacent to said windows, a common operating handle adjacent to the seller, connecting both said knives, an operating handle lying between said levers.
3. The herein described ticket selling apparatus comprising a ticket window, having a hand opening through which money may be received and change made, a platform below the hand opening and on the ticket seller's side of the said window, a compartment below the platform open to the public, but closed to the operator, a ticket delivering compartment below said platform, and provided with openings to the said compartment open to the public, continuous strip ticket delivering mechanism within said second compartment, an operating handle adjacent to the seller adapted to deliver tickets from the said second compartment to the first compartment.
4. The herein described ticket selling apparatus comprising a ticket window having a hand opening through which money may

be received and change made, a platform below the hand opening and on the ticket seller's side of the said window, a compartment below the platform open to the public, but
5 closed to the operator, a ticket delivering compartment below said platform, and provided with openings to the said compartment open to the public, continuous strip ticket delivering mechanism within said second
10 compartment, an operating handle adjacent to the seller adapted to deliver tickets from the said second compartment to the first compartment, the platform below the ticket window
and above the compartment open to the public being of glass.
Signed at Brooklyn, New York, this 15th
day of April, in the year 1910.
DIEDRICH SANNEMAN.
EDWIN S. MAYLAND.
Witnesses:
JOHN P. GRIEBEL,
HENRY STRIBING.

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