J. HULL.

ADVERTISING DEVICE.

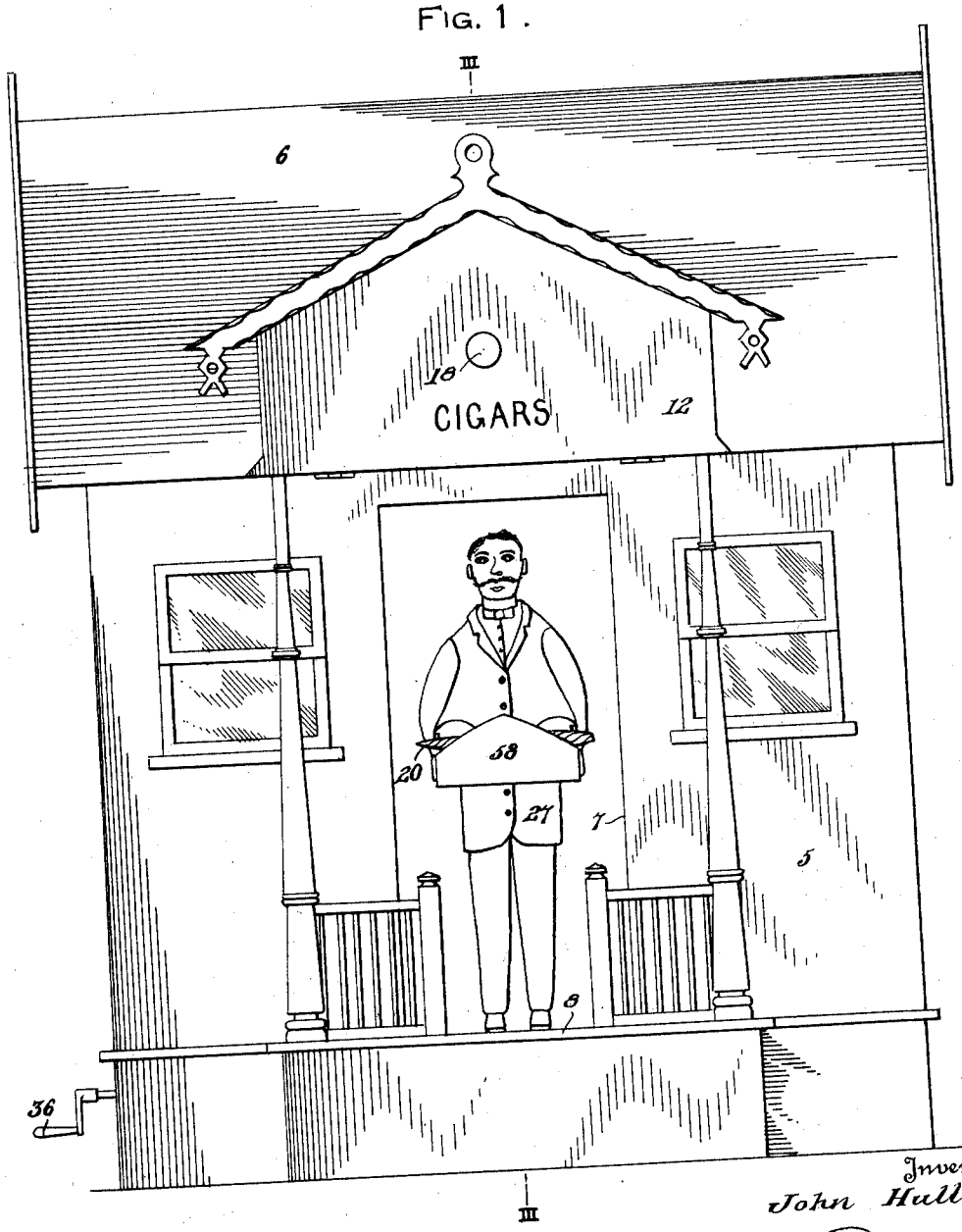
APPLICATION FILED MAR. 17, 1921.

1,385,211.

Patented July 19, 1921.

4 SHEETS—SHEET 1.

FIG. 1.



Inventor

John Hull

By T. B. Bryant.

Attorney

J. HULL.

ADVERTISING DEVICE.

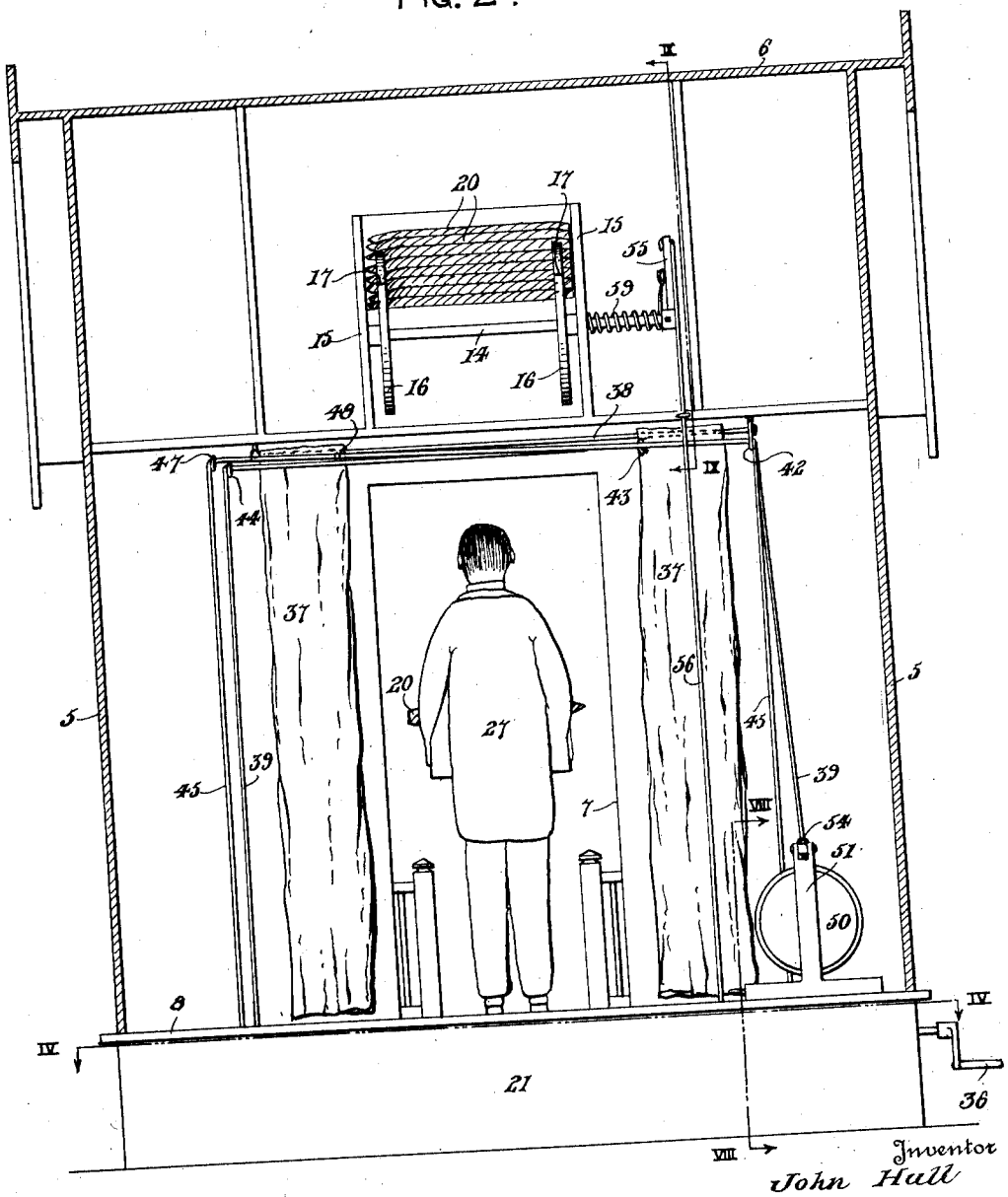
APPLICATION FILED MAR. 17, 1921.

Patented July 19, 1921.

4 SHEETS—SHEET 2.

1,385,211.

FIG. 2.



Inventor
John Hall

By T. B. Bryant.

Attorney

J. HULL.

ADVERTISING DEVICE.

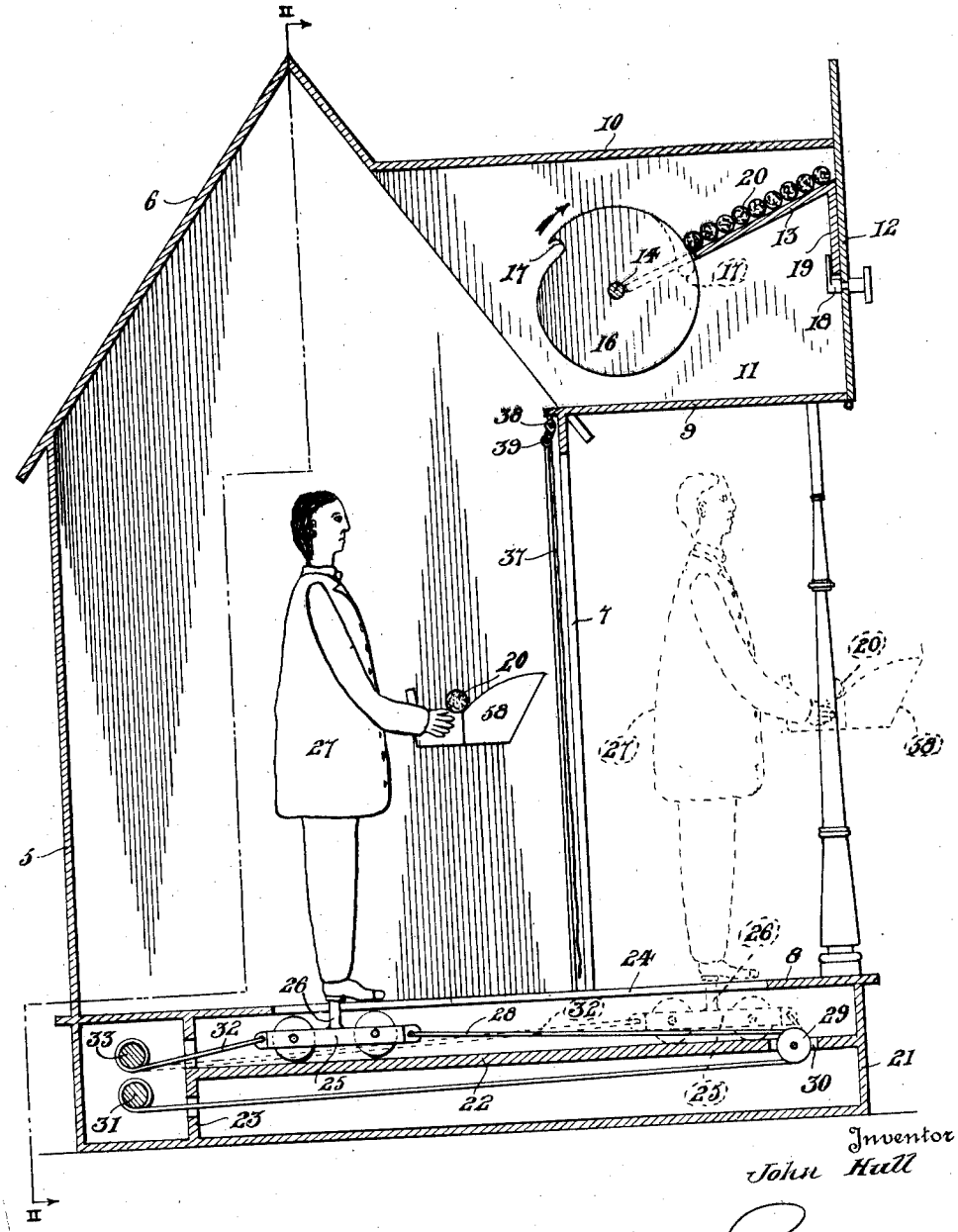
APPLICATION FILED MAR. 17, 1921.

1,385,211.

Patented July 19, 1921.

4 SHEETS—SHEET 3.

FIG. 3.



Inventor
John Hull

By T. N. Bryant.

Attorney

J. HULL.

ADVERTISING DEVICE.

APPLICATION FILED MAR. 17, 1921.

Patented July 19, 1921.

4 SHEETS—SHEET 4.

1,385,211.

FIG. 4.

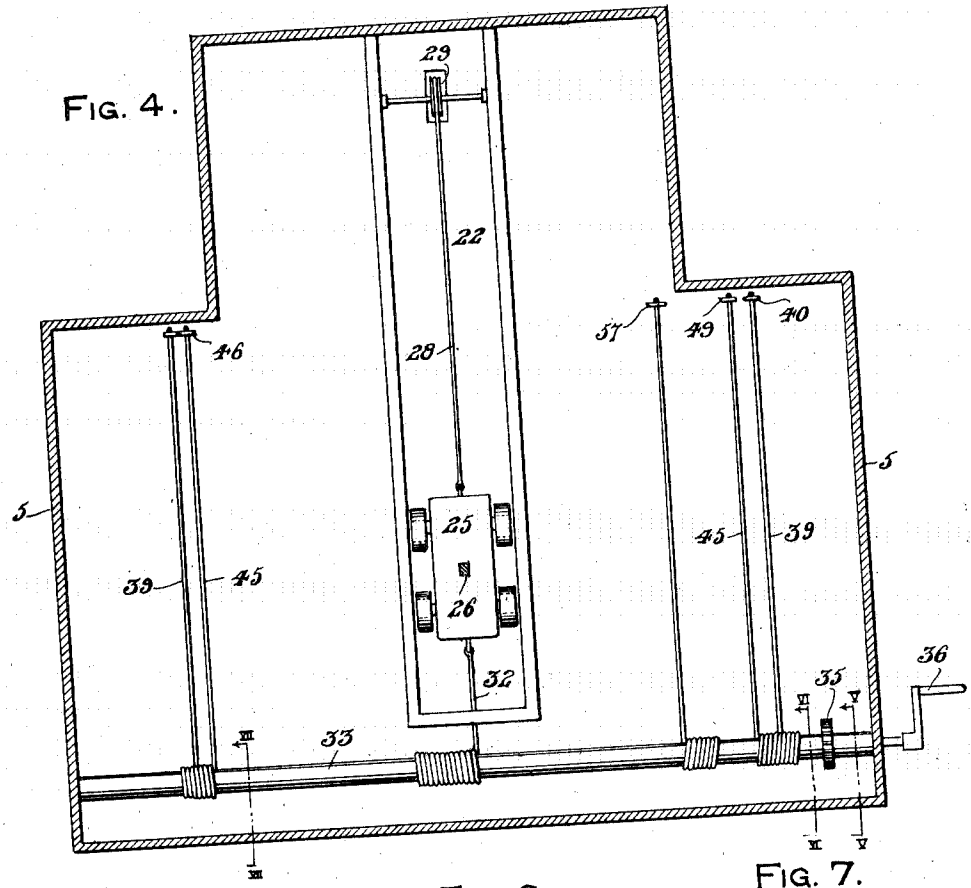


FIG. 5.

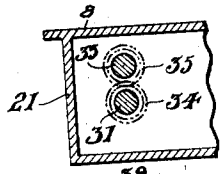


FIG. 6.

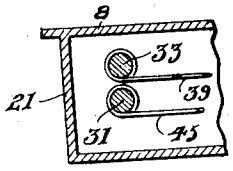


FIG. 7.

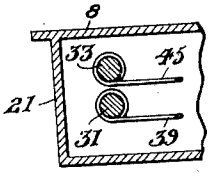


FIG. 8.

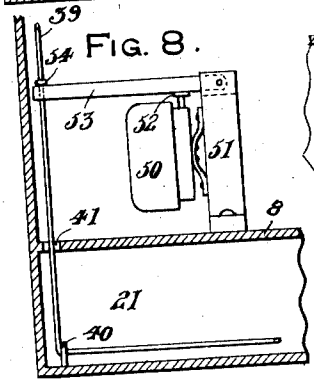
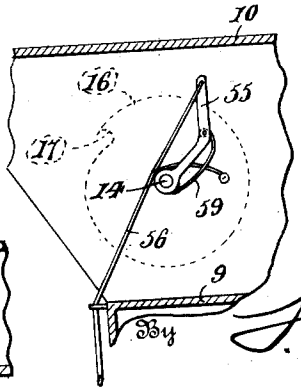


FIG. 9.



Inventor

John Hull

By J. M. Bryant.

Attorney

UNITED STATES PATENT OFFICE.

JOHN HULL, OF COATESVILLE, PENNSYLVANIA.

ADVERTISING DEVICE.

1,385,211. Specification of Letters Patent. Patented July 19, 1921.

Application filed March 17, 1921. Serial No. 453,022.

To all whom it may concern:

Be it known that I, JOHN HULL, a citizen of Ukraine, residing at Coatesville, in the county of Chester and State of Pennsylvania, have invented certain new and useful Improvements in Advertising Devices, of which the following is a specification.

This invention relates to certain new and useful improvements in advertising or display devices particularly in the form of novel cigar or cigarette dispensing apparatus.

The principal object of the invention is to provide a cigar dispensing apparatus of such combination and arrangement of parts as to present a pleasing novelty calculated to attract attention when used and to thereby advertise a particular make of cigar.

Another object of the invention is to construct the device so as to embody durability as well as simplicity of construction.

Broadly described, the invention embodies manually operable means to deliver the cigars one at a time to a tray held in the hands of a human figure and to simultaneously open curtains at a doorway and move the figure forwardly from a point within a house-like structure through the doorway onto a porch where the cigar may be readily taken from the tray, a reverse operation resulting in moving the figure again into the house-like structure and closing of the curtains so that the tray will be again positioned for the reception of another cigar.

With the above general objects in view and others that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings and claimed.

In the drawings, wherein like reference characters indicate corresponding parts throughout the several views,

Figure 1 is a front elevational view of a cigar dispensing device constructed in accordance with the present invention,

Fig. 2 is a vertical transverse sectional view thereof taken upon line II—II of Fig. 3,

Fig. 3 is a vertical longitudinal sectional view of the same taken upon line III—III of Fig. 1,

Fig. 4 is a horizontal sectional view taken upon line IV—IV of Fig. 2,

Fig. 5 is a sectional detail view taken upon line V—V of Fig. 4,

Fig. 6 is a similar view taken upon line VI—VI of Fig. 4,

Fig. 7 is a still further similar view taken upon line VII—VII of Fig. 4,

Fig. 8 is a fragmentary sectional view taken upon line VIII—VIII of Fig. 2, and

Fig. 9 is a fragmentary sectional view upon line IX—IX of Fig. 2.

Referring more in detail to the several views, the present invention embodies a casing in the form of a house-like structure 5 provided with a roof 6 and a front doorway 7 leading onto a front porch 8 provided with a ceiling 9 and a roof 10 in spaced relation to the latter so as to form a chamber 11, the rear end of which is open and the front end of which is closed by means of a hinged closure 12.

An inclined plate 13 is rigidly mounted within the chamber 11, and a shaft 14 is rotatably mounted between brackets 15 at the lower end of this plate 13, while a pair of disks are fastened to the shaft 14 as at 16 in spaced relation, the disks 16 being provided with alined peripheral notches 17 disposed for reception of a single cigar at a time from the plate 13 when said disks are positioned as indicated by dotted lines in Fig. 3. A suitable catch 18 is carried by the closure 12 for engagement with the depending apron 19 of the plate 13 so as to hold the closure 12 closed. By opening the closure 12, the cigars 20 may be disposed upon the plate 13 as clearly shown in Fig. 3 so as to be fed by gravity toward the disks 16. The floor of the house-like structure 5 and of the porch 8 constitutes the top of a casing 21 which is divided into a plurality of chambers by means of a horizontal partition 22 and a rear vertical partition 23, and the partition 22 is seated directly beneath a slot 24 in the top wall of the casing 21, which slot extends from a point within the structure 5 to a point beneath the porch roof 9. A carriage 25 is movable on the partition 22 and is provided with a standard 26 which projects upwardly through the slot 24 and has a human figure 27 rigidly mounted thereon so that said figure may move with the carriage into and out of the doorway 7. Means is provided for manually moving the carriage 25 and the same consists of a flexible member 28

connected to the forward end of the carriage 25 and extending forwardly from the latter to and around an idler 29 which is suitably journaled within a slot 30 provided in the forward end of the partition 22, the flexible member 23 then extending rearwardly under the partition 22 where it is fixed to a rotatable horizontal shaft 31 suitably mounted at the rear of the casing 21. The other end of the carriage 25 has a flexible member 32 attached thereto and extended directly rearwardly where it is attached to another rotatable shaft 33 which is journaled above the shaft 31. The shafts 31 and 33 are intergeared by means of spur gears 34 and 35, and the upper shaft 33 is provided with a projecting end having a crank 36 whereby the shaft 33 may be turned. It will thus be seen that by rotating the shaft 33 in one direction the flexible member 32 is paid out, while the flexible member 28 is wound upon the shaft 31 so as to cause movement of the figure 27 from within the house-like structure 15 as shown by full lines in Fig. 3 to a point upon the porch 8 as shown by dotted lines in said figure. A reverse operation of the shaft 33 will pay out the flexible member 28 and wind the flexible member 32 upon the shaft 33 to return the figure within the house-like structure.

A curtain 37 is disposed at each side of the doorway 7, and both of these curtains are slidably hung upon a rod 38 or the like so that the curtains may be pulled toward each other for closing the doorway or away from each other to open the latter. A flexible member 39 has one end attached to the shaft 33 and extends forwardly therefrom around a guide 40 from which it passes upwardly through a slot 41 in the top of the casing 21 to a point adjacent the rod 38 where it is passed around a further guide 42 and attached to the inner edge of one of the curtains as at 43. The flexible member 39 is then further extended to the opposite side of the doorway where it passes around still another guide 44 and then downwardly through the top of the casing 21 where it is attached to the lower shaft 31 as shown in Fig. 7. Another similar flexible member 45 is attached to the shaft 33 at its other end and the same extends forwardly around the guide 46 and then upwardly through the top of the casing 21 where it passes around another guide 47 to one side and above the doorway 7. The flexible member 45 then extends horizontally across the top of the doorway where it is fastened as at 48 to the other curtain 37 and then passed around the guide 42 and downwardly around a guide 49. The flexible member 45 then extends rearwardly and is attached to the lower shaft 31 as shown in Fig. 6. It will thus be seen that when the shaft 33 is rotated for moving the figure 27 to a point upon the porch 8, the flexible members 39 and 45 are wound upon the shaft 33 and paid out from the shaft 31 so as to pull the curtains 37 aside for opening the doorway 7 as the figure passes outwardly through the latter. Conversely, when the shaft 33 is rotated in the other direction the flexible members 39 and 45 are wound upon the shaft 31 and paid out from the shaft 33 so as to draw the curtains 37 toward each other and across the doorway 7 as the figure 27 passes inwardly therethrough. In order to produce an audible signal for calling attention as the figure passes outwardly through the doorway 7, an ordinary spring motor operated bell 50 is suitably mounted on a bracket 51 fixed upon the top of the casing 21 with its push button 52 disposed in the path of a pivot arm 53 carried by the bracket 51, the arm 53 being disposed above said push button and having the flexible member 39 passing through the free end of the same. A button or an abutment member 54 is attached to the flexible member 39 above the arm 53 so that when said flexible member 39 is wound upon the shaft 31 for opening the curtains 37 as the figure 27 passes outwardly through the doorway 7, the button 54 engages the arm 53 and moves the same downwardly so as to press the push button 52 and cause the bell 50 to ring.

The shaft 14 is provided at one end with a crank arm 55 which has its free end attached to a flexible member 56, and this flexible member 56 extends downwardly through the top of the casing 21 and around a guide 57 and then rearwardly where it is attached to the shaft 33 so that when the figure 27 moves from its dotted line position of Fig. 3 to its full line position in said figure, the flexible member 56 is wound upon the shaft 33 and the disks 16 are rotated in the direction opposite to that indicated by the arrow in Fig. 3 for causing said disks to deliver a cigar to a point above a tray 58 held in the hands of the figure 27, from whence the cigar drops to said tray. As the shaft 33 is operated in an opposite direction for moving the figure 27 outwardly through the doorway 7, the flexible member 56 is paid out, and a spring 59 is associated with the shaft 14 so as to return the disks in the direction of the arrow of Fig. 3 to the dotted line position for permitting another cigar to move into the notches 17. This operation may be successively performed until all of the cigars are dispensed and then a new supply of cigars may be placed upon the incline plate 13 for opening the closure 12. It is obvious that a number of well known coin controlled mechanisms may be associated with the shaft 33 in order to practically employ the present invention for the purpose of vending cigars and the like, but

as the present invention is restricted to the particular delivering apparatus the illustration of a coin controlled mechanism in connection therewith is deemed unnecessary.

It is believed that the construction and operation as well as the advantages of the present invention will be readily understood and appreciated by those skilled in the art from the foregoing description.

Minor changes may be made without departing from the spirit and scope of the invention as claimed.

What is claimed as new is:—

1. In a device for delivering cigars, the combination with a house-like structure having a porch with a doorway communicating therebetween, of a figure movably mounted to pass from within the house-like structure to a point upon the porch through said doorway and including a cigar receiving element, of means to simultaneously deliver cigars one at a time to said receiving member and to move the figure through the doorway onto the porch.

2. In a device for delivering cigars, the combination with a house-like structure having a porch with a doorway communicating therebetween, of a figure movably mounted to pass from within the house-like structure to a point upon the porch through said doorway and including a cigar receiving element, of means to simultaneously deliver cigars one at a time to said receiving member and to move the figure through the doorway onto the porch, a pair of curtains movably suspended normally across said doorway, and means to simultaneously open said curtains upon movement of the figure outwardly toward said doorway.

3. In a device for delivering cigars, the combination with a house-like structure having a porch with a doorway communicating therebetween, of a figure movably mounted to pass from within the house-like structure to a point upon the porch through said doorway and including a cigar receiving element, of means to simultaneously deliver cigars one at a time to said receiving member and to move the figure through the doorway onto the porch, a pair of curtains movably suspended normally across said doorway, means to simultaneously open said curtains upon movement of the figure outwardly toward said doorway, an audible alarm, and means to cause sounding of said alarm upon movement of the figure outwardly of the doorway.

4. In combination with a figure having a cigar receiving member, and means to move said figure forwardly and backwardly, of means to deliver cigars one at a time to a point above said cigar receiving member as the figure comes to rest at its rearmost position so that said cigar may drop by gravity into said receiving member.

5. In combination with a figure having a cigar receiving member, means to move said figure forwardly and backwardly, of means to deliver cigars one at a time to a point above said cigar receiving member as the figure comes to rest at its rearmost position so that said cigar may drop by gravity into said receiving member, and a house like structure provided with a front porch with a doorway communicating therebetween, the rearmost position of the figure being within said house-like structure and the foremost position of the same being upon said porch.

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

JOHN HULL.

Witnesses:

HARRY S. WOODWARD,

T. P. ZOOK.