

April 26, 1927.

1,626,410

J. F. HALSTEAD

TRANSFERRING DEVICE FOR CIGAR MACHINES

Filed Nov. 13, 1925

Fig. 1.

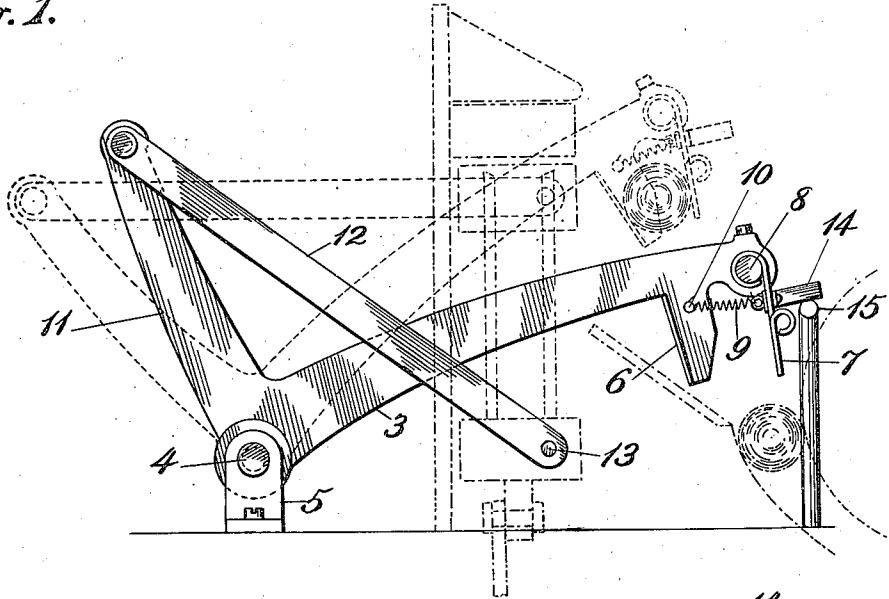
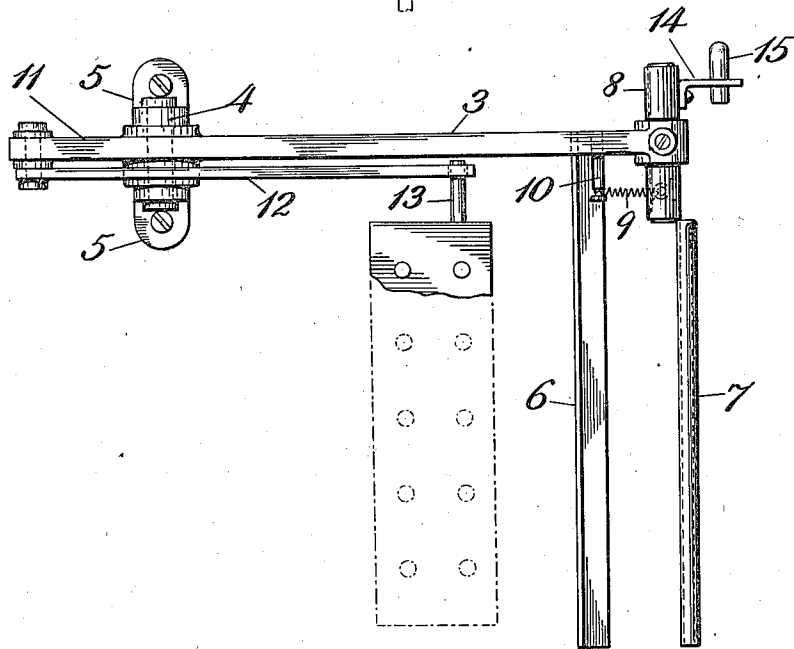


Fig. 2.



INVENTOR
John Fredrick Halstead
BY
Sydney H. Prescott
ATTORNEY

UNITED STATES PATENT OFFICE.

JOHN FREDRIK HALSTEAD, OF BROOKLYN, NEW YORK, ASSIGNOR TO INTERNATIONAL CIGAR MACHINERY COMPANY, A CORPORATION OF NEW JERSEY.

TRANSFERRING DEVICE FOR CIGAR MACHINES.

Application filed November 13, 1925. Serial No. 68,871.

This invention relates to an improved transferring device for cigar machines, having for its main object the production of a device of this character which is adapted to receive a bunch from above and discharge it below, in order that the bunch may be lowered from receiving position to discharging position, to avoid the difficulties attending the heretofore practice of dropping the bunches down a chute into the range of action of re-rolling mechanism which sometimes resulted in misplaced or damaged bunches. With this and other objects not specifically mentioned in view, the invention consists in certain constructions and combinations which will be hereinafter fully described and then specifically set forth in the claims hereunto appended.

In the accompanying drawings, which form a part of this specification and in which like characters of reference indicate the same or like parts, Fig. 1 is a side elevation of a device constructed in accordance with the invention; and Fig. 2 is a plan view of the device shown in Fig. 1.

Referring to the drawings, 3 indicates an arm fulcrumed at 4 to a bracket 5 screwed to the bed of the cigar machine in connection with which the device is used. This arm carries at its free end a bunch holder consisting of a fixed plate 6 extending laterally therefrom, and a movable plate 7 hinged at 8 to the arm 3. The plate 7 is normally held in position to stop a bunch entering the holder from above, by means of a spring 9 one end of which is connected to the said plate and the other to a pin 10 carried by the arm 3. The arm 3 is a part of a bell crank consisting of said arm and of another arm 11. The free end of the latter is connected to a link 12 which is also connected at 13 to a pin carried by a moving part of the cigar machine in connection with which the device is used; as shown, to the ejector crosshead. This moving part has a vertical movement as indicated in Fig. 1 by the dotted lines. After a bunch has been received by the holder, which is then closed, the arm is swung downwardly from bunch receiving position, and just be-

fore it reaches its lowermost position, a bracket 14, carried by the plate 7, engages a fixed abutment 15 which stops it and opens the holder, permitting the bunch to drop to the re-rolling device of the cigar machine which is indicated by the dotted lines at the right in Fig. 1. As soon as the movement of the arm 3 is reversed, the bracket 14 leaves the abutment 15 and the spring 9 again closes the holder ready for the reception of another bunch on arrival at the upper end of its movement. The cycle of operation is then repeated.

What is claimed is:

1. A bunch transferring device for cigar machines comprising an arm, a bunch holder supported by the free end of said arm, and adapted to receive a bunch from above and discharge it below and having a fixed wall and a co-acting spring-held movable wall, means for swinging said arm from bunch receiving position downwardly to bunch discharging position, and means in the path of said holder for opening said holder at the lower end of its movement.

2. A bunch transferring device for cigar machines comprising an arm, a bunch holder extending laterally from the free end of said arm and adapted to receive a bunch from above and discharge it below and having a fixed wall and a coacting spring-held movable wall, means for swinging said arm from bunch receiving position downwardly to bunch discharging position, and means in the path of said holder for opening said holder at the lower end of its movement.

3. A bunch transferring device for cigar machines comprising an arm, a bunch holder supported by the free end of said arm and adapted to receive a bunch from above and discharge it below and having a fixed wall and a coacting spring-held movable wall, linkage deriving its motion from a moving part of a cigar machine in connection with which the device is used for swinging said arm downwardly from bunch receiving position to bunch discharging position, and means for opening said holder at the lower end of its movement.

4. A bunch transferring device for cigar machines comprising an arm, a bunch holder supported by the free end of said arm and adapted to receive a bunch from above and 5 discharge it below, means for swinging said arm from bunch receiving position downwardly to bunch discharging position, and an abutment, said holder having a fixed wall and also having a spring-held movable wall engaging said abutment at the lower 10 end of its movement to open said holder.

In testimony whereof, I have signed my name to this specification.

JOHN FREDRIK HALSTEAD.