

March 27, 1928.

1,664,028

M. E. FOERNSLER

MARKING DEVICE FOR WRAPPING MACHINES

Filed April 26, 1927

Fig. 1.

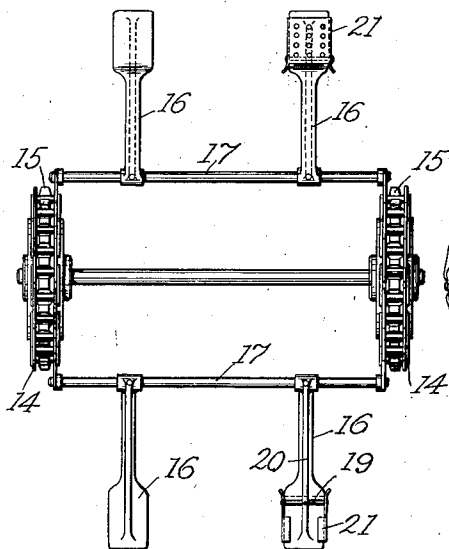


Fig. 2.

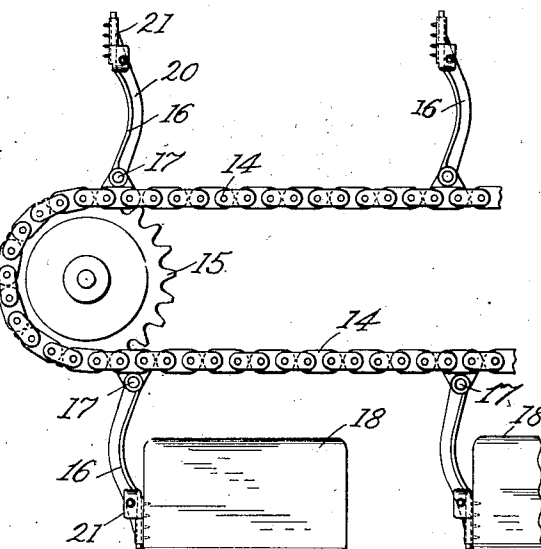


Fig. 3.

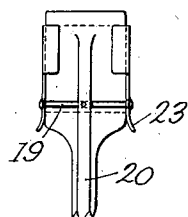


Fig. 4.

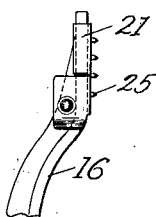


Fig. 5.

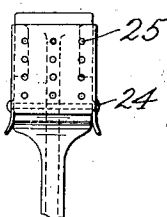


Fig. 6.

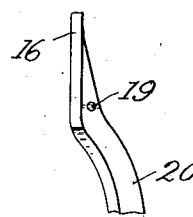


Fig. 7.

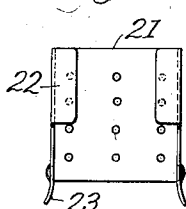


Fig. 8.

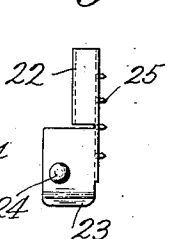


Fig. 10.

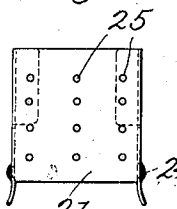


Fig. 11.

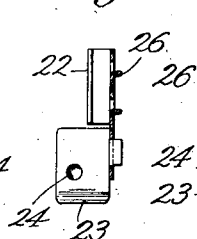


Fig. 12.

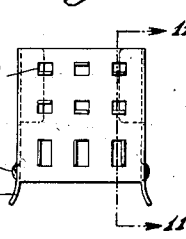
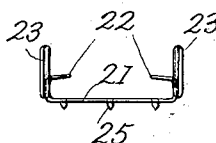


Fig. 9.



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UNITED STATES PATENT OFFICE.

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MARKING DEVICE FOR WRAPPING MACHINES.

Application filed April 26, 1927. Serial No. 186,631.

This invention relates to a marking device for wrapping machines, its underlying object being to mark packages of food products, such as loaves of bread, etc., while they are in a wrapping machine, so that subsequently their age may be seen at a glance. Since marking devices for this purpose must be changed at least daily, and are often replaced twice a day, it is necessary that they be of simple construction and easy manipulation. The present marking device is in the form of a clip which can be slipped on or off the package pushing lugs of a package conveyor, such as that of the well known Armstrong bread wrapping machine, without tools and with but a single movement. As the finished packages are moved from the wrapping mechanism by the conveyor, the markers on the pushing lugs, by means of pins of various conformation or by sharp projections of various forms provided on their contacting surfaces, leave an impression or indentation on the wrapper by which the date, or the time of day on which the package was made, can be readily identified.

In the accompanying drawings, in which like characters of reference indicate the same or like parts, Figs. 1 and 2 are an end elevation and a partial side elevation respectively of a conveyor of the Armstrong type, which moves the finished packages from wrapping position to delivery position, and showing the date markers attached to the package pushing lugs; Figs. 3 to 6 are enlarged views of one of the conveyor lugs with the date marker thereon, showing the method of its attachment; and Figs. 7 to 12 are enlarged views of the date marker, showing its construction and various markings.

In carrying the invention into effect, there is provided means for moving a wrapped article in a wrapping machine, and means carried by said moving means for marking the wrappers of said articles during the moving operation. These means may be varied in construction within the scope of the claims, for the specific device selected to illustrate the invention is but one of numerous possible concrete embodiments of the same. The invention therefore is not to be restricted to the precise details of the structure shown and described.

Referring to Figs. 1 and 2, the chains 14—14 pass over sprockets 15 and carry the

lugs 16 which are attached to a rod 17, connecting the two chains and spaced apart. The lugs 16 operate to move the wrapped packages 18, such for example, as loaves of bread, from the wrapping position (at the left in Fig. 2) to the delivery end of the machine (at the right in Fig. 2), each lug on the same rod 17, engaging one package 18. One of the lugs 16 on each rod 17 is provided with a pin 19, driven tightly into the cross rib 20 of the lug and projecting equally from each side of the cross rib. The marker 21 is made of sheet metal and so shaped that it can be readily slipped over the end of a lug 16 into engaging position with the ends of the pin 19, as shown in Figs. 3 to 6. For this purpose, the sides of the marker are bent back, so that the stiff channel-shaped projections 22 fit around the sides of the lugs 16, while the resilient ears 23 which are provided with small cup-shaped depressions 24 fit over the pins 19, the depressions 24 engaging the ends of the pins 19 and holding the marker in place thereon. To exchange markers at the end of the prescribed period, it is only necessary to push the inward edge of each marker with one finger, whereupon the ears 23 will disengage from the pin 19 and the marker will slide off the lug.

To distinguish the packages wrapped on different days, or different packages of the same day, the contacting surfaces of the markers are provided with projections or sharp edges which will leave an impression for future identification on the wrapper of the article moved by the lugs 16. In Figs. 7 to 10, a number of pins 25 are shown attached to the marker surface, in this case a total of 12 pins being provided, 2 for each day of the week. When all 12 pins are in place, it will indicate that the package was wrapped on Monday forenoon; 11 pins and one blank space will indicate Monday afternoon; 10 pins will indicate Tuesday forenoon, and so on until one single pin will indicate Saturday afternoon. Instead of using the pins 25, however, elongated projections 26 may be punched and bent out of the plane of the markers, as shown in Figs. 11 and 12, the number and configuration of these upstanding edges indicating different days or periods.

What is claimed is:

1. The combination with means for mov-

ing a wrapped article in a wrapping machine, of means carried by said moving means for marking the wrappers of said articles during the moving operation.

5 2. The combination with means for moving a wrapped article in a wrapping machine, of means carried by said moving means for marking the wrappers of said articles during the moving operation, said moving
10 means including chains and article pushing lugs carried thereby, and said marking means being mounted on said lugs.

3. The combination with means for moving a wrapped article in a wrapping machine, of means carried by said moving means for marking the wrappers of said articles during the moving operation, said marking
15 means having quick-detachable means for connecting it with said moving means.

20 4. The combination with means for moving a wrapped article in a wrapping machine, of means carried by said moving means

for marking the wrappers of said articles during the moving operation, said marking means having spring clips connecting it with
25 said moving means.

5. The combination with means for moving a wrapped article in a wrapping machine, of means carried by said moving means for marking the wrappers of said articles during the moving operation, said marking
30 means having projections for indenting said wrappers

6. The combination with means for moving a wrapped article in a wrapping machine, of means carried by said moving means for marking the wrappers of said articles during the moving operation, said marking
35 means having a number of projections for indenting said wrappers and indicating by said
40 number the time the article was wrapped.

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

MAX E. FOERNSLER.