This invention relates to an improvement in bread wrapping machines, and more particularly to a code dating device for wrapping machines.

The main object of the invention is the production of a novel device for marking or perforating the wrappers of the loaves of bread, or other articles, as they are delivered from the wrapping machine. In this manner the wrappers may be dated in a code which will indicate the date on which the articles were wrapped. With this and other objects not specifically mentioned in view, the invention consists in certain constructions and combinations hereinafter fully described and then specifically set forth in the appended claims.

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 view of the device, and

Fig. 2 is a top view thereof from line 2—2 of Fig. 1.

In carrying the invention into effect there is provided a table, means for advancing wrapped loaves of bread along said table, a yieldingly supported tension plate adapted to press the wrapped loaves against said table, and a pin roller rotatably supported by said plate and having pins mounted in its periphery to engage the wrapped loaves and perforate their wrappers while they are forwarded over the table. In the best forms of construction contemplated, the pins on said roller are arranged in spaced groups of desired formation to mark the wrapper according to a predetermined code, and the tension plate is supported by arms hinged thereon and provided with slots in which are disposed studs carried by a stationary support bar. These various means and parts may be widely varied in construction within the scope of the claims, for the particular device selected to illustrate the invention is but one of many possible concrete embodiments of the same. The invention, therefore, is not to be restricted to the specific construction shown and described.

The side frames 10 of the wrapping machine, which may be of the type disclosed in my prior Patent No. 1,851,696, granted March 29, 1932, have a cross bar 11 in which is mounted a vertically adjustable stud 12 carrying the support bar 13. Arms 14 are pivotally supported from studs on the bar 13 which are disposed in slots in the upper end of the arms. The blocks 15 on the top tension plates 16 are supported on the arms 14 to permit the plate to be raised by engagement with the loaves to accommodate loaves of different heights.

Bearings 17 are provided on the top of one of the plates 16 to carry a stud 18 which is secured therein by a wing nut, and on which is rotably mounted the pin roller 19. In the periphery of the latter there are fixed pins 21 and 21a, the pins 21 being arranged in spaced groups in a predetermined formation according to a selected code to perforate the wrapper in a manner which will indicate the date. A guard 22 fixed to the plate 16 encloses the pin roller.

The pusher fingers 23 of the wrapping machine convey the wrapped loaves over the table 24 on which they are yieldingly pressed by the tension plate 16, and engaged by one of the groups of pins 21 on the pin roller 19 projecting through the slot 26 in the plate 16. As a wrapped loaf is forwarded under the pin roller, one of the groups of pins 21 is pressed into it through its wrapper, thereby turning the pin roller while the loaf is advancing until the pins 21 reach a position in which they disengage from the loaf and wrapper. However, if one of the individual pins 21a, which are disposed intermediate the groups of pins 21, should be in position to engage the advancing loaf, it will turn the pin roller sufficiently to bring the next group of pins 21 into engagement with said loaf, thereby marking the wrapper. It will be apparent that in any given position of the pin roller, the advancing loaf will turn the roller to cause it to mark the wrapper.

What is claimed is:

1. In a code dating device for bread wrapping machines, the combination with a table, of means for advancing loaves of bread over said table, a yieldingly supported tension plate adapted to press the wrapped loaves against said table, means for yieldingly and swingably supporting said plate, and a pin roller rotatably supported by said plate and having pins mounted in its periphery to engage the wrapped loaves and perforate their wrappers while the loaves are forwarded over the table.

2. In a code dating device for bread wrapping machines, the combination with a table, of means for advancing loaves of bread over said table, a yieldingly supported tension plate adapted to press the wrapped loaves against said table, means for yieldingly supporting said plate, and a pin roller rotatably supported by said plate and having pins mounted in its periphery to engage the wrapped loaves and perforate their wrappers while the loaves are forwarded over the table, said pins being arranged in spaced groups of desired formation according to a predetermined code, whereby engagement of any one of said groups with an
advancing wrapped loaf will perforate its wrapper to date it according to the predetermined code, and said roller being further provided with individual pins intermediate said groups, whereby engagement of one of said individual pins with a wrapped loaf will turn the roller to bring one of said groups into engagement with the loaf.

3. The combination with a yieldingly supported plate, of a pin roller rotatably supported by said plate and having pins mounted in its periphery to engage wrapped loaves of bread to perforate their wrappers, and means for yieldingly and swingably supporting said plate.

4. The combination with a yieldingly supported plate, of a pin roller rotatably supported by said plate and having pins mounted in its periphery to engage wrapped loaves of bread to perforate their wrappers, and means for yieldingly supporting said plate, said pins being arranged in spaced groups of desired formation according to a predetermined code, whereby engagement of any one of said groups with a wrapped loaf will perforate its wrapper to date it according to the predetermined code, and said roller being further provided with individual pins intermediate said groups, whereby engagement of one of said individual pins with a wrapped loaf will turn the roller to bring one of said groups into engagement with the loaf.

FRANK R. SCHMITT.