Feb. 22, 1927. 1,618,627

F. F. BACKSTROM

TOOTHPICK HOLDER

Filed April 15, 1926

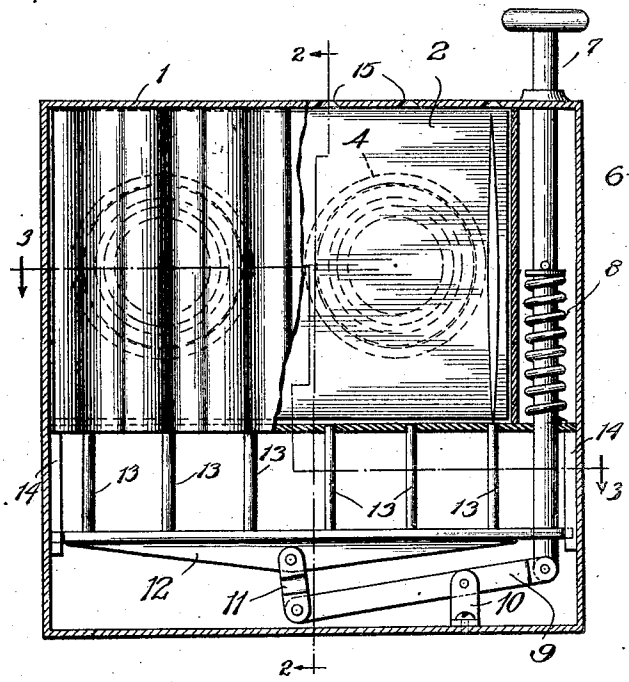


Fig. 1

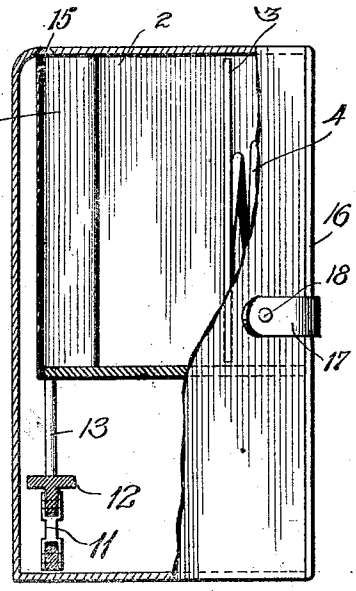


Fig. 2

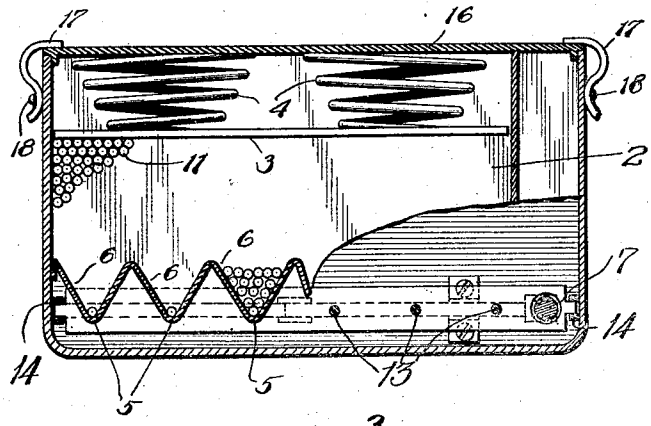


Fig. 3

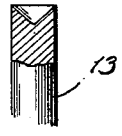


Fig. 4

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UNITED STATES PATENT OFFICE.

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TOOTHPICK HOLDER.

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The main object of this invention is to provide improved means for dispensing toothpicks and the like, and more particularly the provision of improved means for dispensing a plurality of toothpicks or the like in such a manner that only the toothpicks intended to be picked up will come in contact with the fingers of the person picking them up.

These and any other objects hereinafter appearing are attained by the structure illustrated in the accompanying drawings, in which:—

Figure 1 is a sectional side elevation of an embodiment of the invention particularly designed for counter use, certain parts being broken away to better show the interior construction.

Fig. 2 is an end elevation thereof partly broken away, certain parts being in section on line 2—2 of Fig. 1.

Fig. 3 is a sectional view looking into the magazine, taken on line 3—3 of Fig. 1, certain parts being broken away to show the interior construction thereof.

Fig. 4 is an enlarged view of the member 13, a portion thereof being in section.

A rectangular container, designated generally 1, has a magazine therein, designated generally 2. A follower plate 3, actuated by the conical spiral springs 4 fixed adjacent one side of the container pushes the toothpicks in the magazine into the plurality of pockets 5 formed by the corrugated plate 6 fixed adjacent the other side of the container.

A vertical operating member or plunger 7 is held in retracted position by the helical compression spring 8, and is pivotally connected at its lower end to one end of a lever 9 which is fulcrumed on the lug 10. The other end of said lever is pivotally connected to one end of a link 11 whose other end is pivotally connected to a vertically moving cross-head or carriage 12 having a plurality of vertically projecting pins 13 fixed thereon. The pockets in plate 6 are so formed as to bring one toothpick in alinement with each pin 13. The cross-head is mounted to vertically move on the tracks 14 mounted on the container.

The pins 13 register with apertures in the base of the magazine and with the ends of the toothpicks that are in the troughs of the pockets of the magazine. Ports 15 in the top of the container are provided for the delivery of the toothpicks.

The container's side 16 is in the form of a flanged cover and is detachable by lifting the spring clips 17 clear of the studs 18, for the purpose of refilling the magazine.

It will thus be seen that a plurality of tooth-picks within the magazine will always be urged toward and into the pockets and that by operating the plunger, those toothpicks that are in line with the pins 13 will be lifted in such spaced relation that there is room for a person to pick up the toothpicks one at a time, and only the toothpicks intended to be picked up will come in contact with the fingers of the person picking them up.

Although but one specific embodiment of this invention has been herein shown and described, it will be understood that numerous details of the construction shown may be altered or omitted without departing from the spirit of this invention as defined by the following claims.

I claim:

1. A magazine of the character described having a plurality of pockets adjacent one side of the magazine, a spring actuated follower adjacent its opposite side for propelling the contents of the magazine into the pockets, a vertically moving cross-head, a plunger for operating said cross-head, said cross-head having a plurality of vertically projecting pins mounted thereon adapted to deliver the contents of the pockets through the lifting movement of the cross-head.

2. A magazine of the character described having a plurality of spaced pockets formed by a corrugated plate adjacent one side of the magazine, a spring actuated follower adjacent its opposite side for propelling the contents of the magazine into the pockets, a vertically moving cross-head, a spring returned plunger for operating said cross-head, said cross-head having a plurality of spaced vertically projecting pins mounted thereon registering with apertures in the base of the magazine and adapted to deliver the contents of the several pockets through the lifting movement of the cross-head.

3. A magazine of the character described having a plurality of spaced pockets formed

by a corrugated plate adjacent one side of the magazine, a spring actuated follower adjacent its opposite side for propelling the contents of the magazine into the pockets, a vertically moving cross-head, a spring returned plunger pivotally connected to a fulcrumed lever, said lever being pivotally connected to the cross-head by means of a link therebetween, for operating said cross-head, said cross-head having a plurality of spaced vertically projecting pins mounted thereon registering with apertures in the base of the magazine and adapted to deliver the contents of the several pockets through the lifting movement of the cross-head.

Signed at Chicago this 12th day of April, 1926.

FRIDOLPH F. BACKSTROM.