Aug. 14, 1928. 1,680,539

A. HADI

BOX

Filed July 24, 1926

Fig. 1.

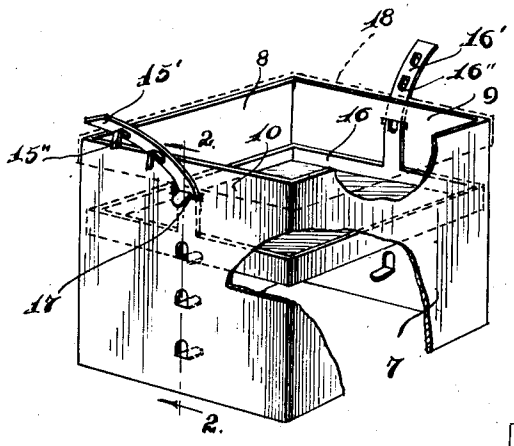


Fig. 2.

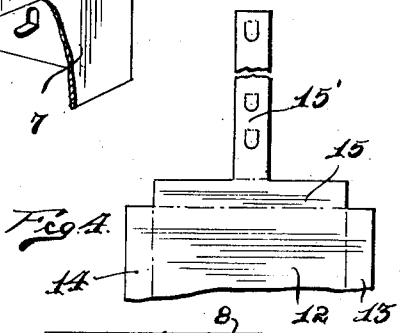


Fig. 4.

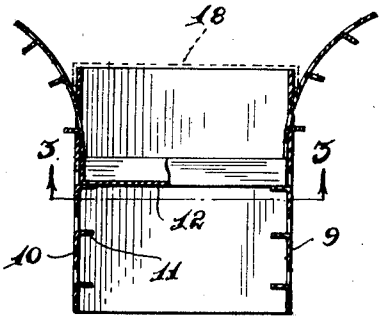


Fig. 3.

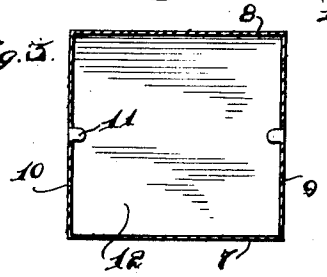


Fig. 5.

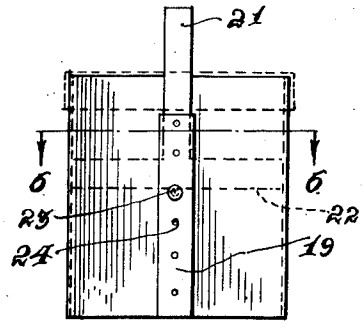
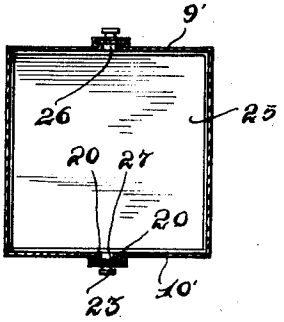


Fig. 6.



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Patented Aug. 14, 1928. 1,680,539

UNITED STATES PATENT OFFICE.

ALI HADI, OF SPRINGWELLS, MICHIGAN, ASSIGNOR OF TWO-THIRDS TO TED GRUSKA AND JOHN GRUSKA, AND ONE-THIRD TO WALTER RAY, ALL OF FORDSON, MICHIGAN.

BOX.

Application filed July 24, 1926. Serial No. 124,765.

My invention relates to a new and useful improvement in a box adapted particularly for containing cookies, crackers and other similar commodities which are generally placed in the box in separated layers.

In the sale of cookies from a box it is customary to remove the cookies from the box by hand, the separating members of the different layers being removed as the different layers of cookies are taken from the box.

As the cookies are used so that it is necessary to reach into the box a considerable distance, the cookies are often broken and otherwise damaged.

It is an object of the present invention to provide a box whereby the contents thereof may always be retained in close proximity to the top so that they may be easily removed while in plain sight of the person removing them without requiring the reaching of the hand deeply into the box.

Another object of the invention is the provision of a box having a removable base or supporting member which may be raised toward the top of the box as the different layers of the contents thereof are removed, so as to bring the lower layers of contents into closer proximity to the top of the box.

Another object of the invention is the provision of means on the side walls of the box for engaging the movable base or supporting member and retaining it in its various positions of elevation.

Another object of the invention is the provision of a box of this kind which will be simple in structure, economical of manufacture and highly efficient in use.

Other objects will appear hereinafter.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood by a reference to the accompanying drawings which form a part of this specification and in which,

Fig. 1 is a perspective view of the invention with parts broken away.

Fig. 2 is a sectional view of the invention with parts in side elevation and parts broken away, taken on substantially line 2—2 of Fig. 1.

Fig. 3 is a sectional view taken on substantially line 3—3 of Fig. 2.

Fig. 4 is a fragmentary side elevational view of the blank from which the base is made.

Fig. 5 is a side elevational view of a modified form of the invention.

Fig. 6 is a sectional view taken on substantially line 6—6 of Fig. 5.

The box in its preferred form comprises side walls 7 and 8 and end walls 9 and 10. Punched from the end walls 9 and 10 are tongues 11 which may be thrust inwardly as clearly appears from Fig. 2 and Fig. 3. The bottom or supporting member of the box is made from a blank having a main body 12 provided with side flaps 13 and 14 and end flaps 15 and 16. These side flaps and end flaps are turned to extend at right angles to the main body 12, so as to form shallow side walls of the base or supporting member. Projecting outwardly centrally from the end flaps 15 and 16 are tongues 15′ and 16′ respectively, each of these tongues being adapted for projection through a slit 17 formed in the side walls 9 and 10.

In mounting the base in the side walls, the base proper is inserted therein, the tongues 11 being parallel to the end walls 9 and 10 and the tongues 15′ and 16′ being projected through the slits 17. As the contents of the box are removed by an upward pull on the tongues 15′ and 16′, the bottom is raised, upon which the lowermost set of tongues 11 are pressed inwardly to support the box in its position.

Punched from the tongues 15′ and 16′ are tongues 15″ and 16″ respectively which are adapted for being projected outwardly from one face of the tongues 15′ and 16′, so as to engage the side walls 9 and 10 and assist the tongues 11 in supporting the movable base or supporting member.

In Fig. 1 and Fig. 2 I have shown the outline of a cover 18 in dotted lines and it will be noted that the slits 17 are cut below the lower edge of the cover so that the projection of the tongues 15′ and 16′ through the slits

will not interfere with the placing of the cover on the box. It is thus apparent that I have provided a movable base which may be raised to various positions of adjustment so that the contents of the container when removed therefrom may be brought upwardly into closer proximity to the top, so as to always be readily accessible to the person removing the contents therefrom.

In Fig. 5 I have shown a modified form of the box in which the side wall 9′ and the side wall 10′ are provided with outwardly projecting channel forming ribs 19, these ribs being formed by a crimping of the side walls 9′ and 10′, the crimping being effected by a doubling over of the ends 20 of the channel upon each other. Engaging in the channel thus formed is a tongue 21 which is attached to the base 22, a suitable pin 23 being projected through an opening 24 formed in the channel bearing member 19, so as to engage the undersurface of the base 22 and retain it in its various positions of adjustment, a plurality of these openings 24 being provided as clearly shown in Fig. 5. This type is particularly adapted for use with tin or metal boxes, the preferred form being especially adapted for use where the box is made from paper or other similar material.

While I have illustrated and described the preferred form of my invention, I do not wish to limit myself to the precise form of structure shown, but desire to avail myself of such variations and modifications of structure as come within the scope of the appended claim.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

A box, comprising: side and end walls; a bottom slidably positioned between said walls; lifting tongues projecting upwardly from opposite sides of said bottom and projected through slits formed in opposite walls; a plurality of superimposed relatively spaced tongues punched from said opposite walls and pressible inwardly for engaging the undersurface of said bottom for retaining it in its various positions of elevation; and a plurality of spaced tongues punched from each of said lifting tongues and pressible outwardly therefrom for engaging the edges of said slits for assisting in retaining said bottom in its various positions of elevation in said side and end walls, the space between the tongues on said walls and the tongues on said lifting tongues being coordinated so that upon the engagement of one of the tongues on said walls with the undersurface of said bottom, one of the tongues on said lifting tongues will be in registration with said slits for projection therethrough.

In testimony whereof, I have signed the foregoing.

ALI HADI.