

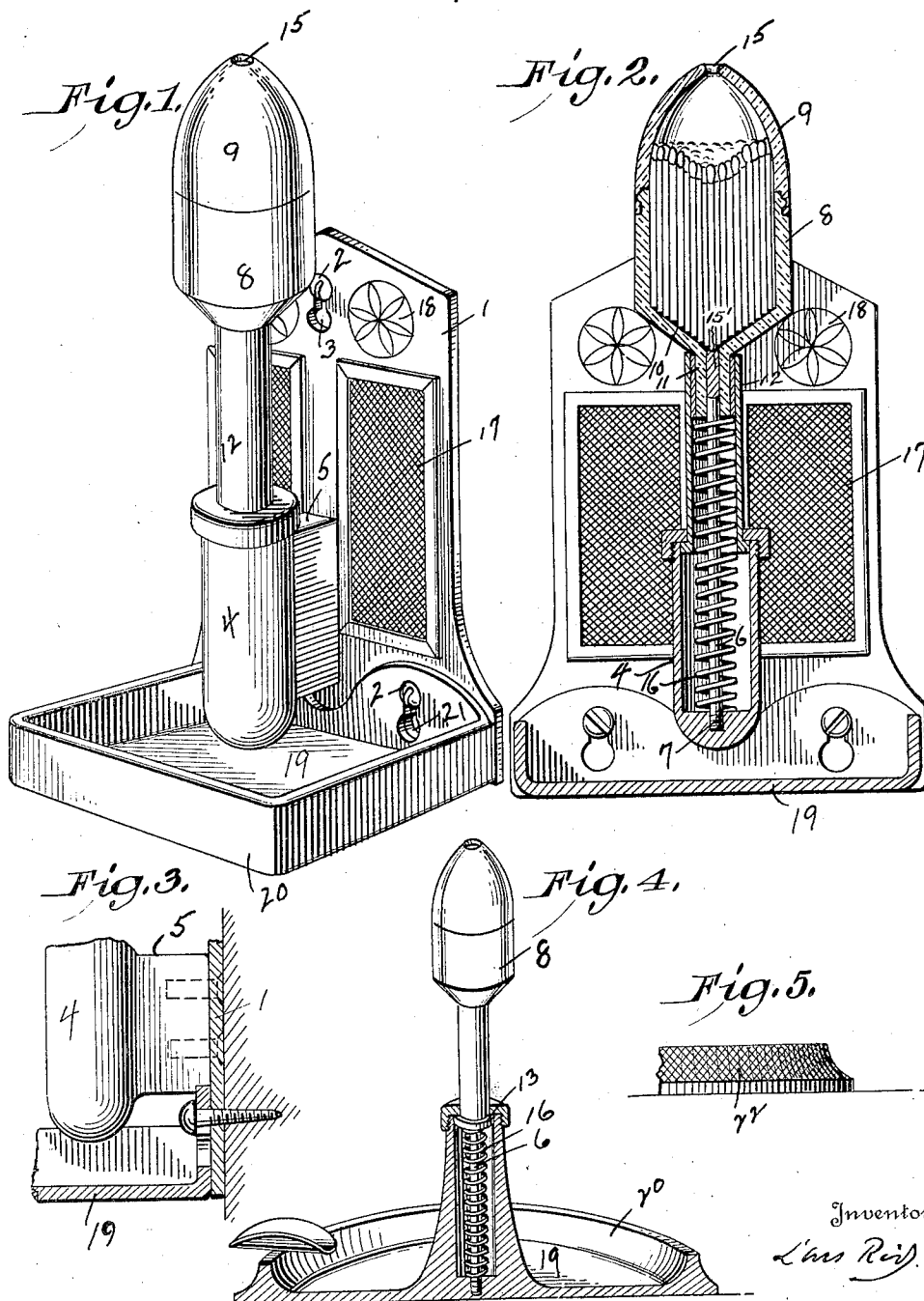
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L. ROD

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ARTICLE DISPENSING DEVICE

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Inventor
L. Rod

By

Attorney

UNITED STATES PATENT OFFICE.

LARS ROD, OF CALGARY, ALBERTA, CANADA.

ARTICLE-DISPENSING DEVICE.

Application filed September 8, 1922. Serial No. 536,835.

To all whom it may concern:

Be it known that I, LARS ROD, a subject of the King of Norway, residing at Calgary, in the Province of Alberta and Dominion of Canada, have invented certain new and useful Improvements in an Article-Dispensing Device, of which the following is a specification.

This invention relates to dispensing devices, and more particularly to a match container and dispensing device.

The prime object of this invention is to provide an article dispensing device of the single delivery type having simple means whereby one match or other article may be partially exposed to such a position that it may be conveniently gripped by the fingers of the operator.

A further object of the invention is to provide an article dispensing device wherein the top of same is gradually reduced in width towards the upper end so that when the fingers of the operator are engaged therewith they will not slip downwardly, and by reducing the top towards its upper end, the matches or other articles are guided towards the discharge opening.

A still further object of the invention is to provide a cylindrical article containing member which is formed of two parts, so that same may be readily filled and which is constructed of glass or other transparent material so that it is readily visible whether or not the container is provided with sufficient matches or other articles to cause the proper operation of the device.

And a still further object of the invention is to provide a device of the above described character, which is adapted to be permanently supported from a wall, the side of a desk or other objects and which is provided with a removable bottom, so that ashes, matches, and other refuse collected therein may be easily dumped without the necessity of removing the device as a whole from its supporting base.

An additional object of the invention is to provide a device of the character described which is simple in construction and operation, efficient for the purpose intended, and one that can be manufactured and placed on the market for sale at a relatively low cost.

These and like objects of the invention will be better understood as the description

follows and as is specifically pointed out in the appended claim.

Referring to the accompanying drawing which forms a part of this specification and which clearly illustrates the construction of my improved dispensing device, 60

Figure 1 is a perspective view of the improved article dispensing device.

Figure 2 is an elevation of same partly in section. 65

Figure 3 is an enlarged fragmentary side elevation partly in section.

Figure 4 is a side elevation of a slightly modified form of container, showing same partly in section, and 70

Figure 5 is an enlarged fragmentary section of a portion of the side walls of the modified form.

Referring to the accompanying drawing in detail, like characters will be used to designate like parts in the different views. 75

In the drawing, the numeral 1 indicates an upstanding wall which is adapted to be secured to any suitable support such as a wall or the side of a desk by means of fastening screws 2 which engage key hole slots 3 formed in the upstanding wall 1. 80

In carrying out the invention the back or upstanding wall 1 is provided centrally of its upright edges and adjacent the lower edge of same with a socket member 4, which is spaced a short distance from the face of the wall 1 by means of the supporting bridge 5. 85

A stationary plunger 6 has one end made fast by means of screw threads to the bottom of the socket 4 as at 7. 90

A cylindrical article containing member 8 is provided with a screw threaded cap 9, so that the container may be easily taken apart for the purpose of refilling with matches or other articles. The cylindrical member 8 is provided with a cone shaped bottom 10 so that matches or other articles arranged within the receptacle will move towards the center of the bottom and one of the matches will be in alignment with a depending sleeve 11 extending downwardly from the cone shaped bottom, as is clearly indicated in Figure 2. 95 100 105

A tube 12 having shoulders 13 formed on its lower end rises from and is secured within the socket 4, and the shoulders 13 engage the inner walls of a cap 14, which is threadedly secured to the upper end of the socket and this cap is adapted to limit the 110

upward movement of the tube 12 and prevent the disengagement of same from the socket 4. The sleeve 11 of the cylindrical member 8 is positioned within the upper open end of the tube 12 and is spaced apart therefrom by any suitable material, such as cloth, paper, etc. to prevent the metal tube 12 from coming directly into contact with the sleeve of the container. The exterior of the cone shaped bottom 10 bears against the upper open edge of the tube 12, so that as the cylindrical member 8 is moved downwardly one of the matches positioned within same, is moved upwardly under the influence of the stationary plunger 6, and one end of the match is exposed through the apex 15 of the cap 9, so that same can be easily gripped between the fingers and entirely removed from the container. An article engaging pin 15' is fixed upon the upper end of the stationary plunger 6 and is movable therewith to engage a single article for directing it to the opening 15 as above set forth.

A spring 16 is positioned within the socket 4 and tube 12 and entirely surrounds the stationary plunger 6, one end of the spring bearing in engagement with the bottom of the socket while the upper end of the spring bears in engagement with the lower edge of the sleeve 11, thus it will be seen that after pressure is released from the cylindrical container 8, that the spring 16 will normally force same to its original position.

The face of the upstanding wall is provided on opposite sides of the bridge 5 with a roughened surface 17 to form a match scratching surface. Beyond each of the roughened surfaces is provided an ornament of any suitable design as indicated by the numeral 18 which is covered with some illuminous paint so that the position of the dispensing device on a wall or other support is readily visible in the dark.

The cylindrical container 8 and the cap 9 are formed of glass or other transparent material, so that it is readily visible when the container is empty, thus preventing unnecessary operation of the device in trying to secure a match when the container is empty.

It is obvious that articles other than matches may be dispensed by this device, and I, therefore, do not wish to be restricted to the use of matches. However, it might be stated when matches are contained within the receptacle they are positively prevented from causing a fire and are effectively protected from rats and the like. Also an excessive number of matches cannot be taken by a person without undue delay.

A tray 19 includes side walls 20, and the rear wall of which is formed with key slots

21 adapted to be connected to the lower screws 2 so as to support the bottom directly beneath the socket 4 and the cylindrical article containing member 8, the tray 19 acting as a receiver for ashes, matches, and other refuse. When the bottom 19 becomes full of burnt matches, etc. and it is desired to empty same, it is only necessary to disengage the bottom from the screws 2 by means of the key hole slots 21, thus avoiding the necessity of removing the article in its entirety from the wall.

In Figure 4 I have shown a slightly modified form of supporting means, which comprises a base of dish like formation, having a pedestal formed in the center of same; a central bore extends downwardly in the pedestal and in which is positioned the stationary plunger 6, spring 16, and tube 12 for the operation of discharging matches from the container 8. The side walls of the support are roughened as at 22 to provide means for the striking of matches. In this modified form of dispensing device, the same is capable of being supported on a table or any other flat surface.

In view of the foregoing description of my invention taken in connection with the accompanying drawing, it is thought that any further explanation as to the construction, operation, and objects of the invention are unnecessary.

While I have shown and described the preferred form of my invention, I realize that various minor changes may be resorted to, without departing from the spirit and scope of the invention as claimed, and therefore, I do not wish to limit myself to the exact details of construction shown, nor to the combination and arrangement of parts.

What I claim as new and desire to secure by Letters Patent is:

A new article of manufacture comprising a tray provided with a pair of spaced key-hole slots formed in the rear wall thereof, an upstanding wall detachably secured to the tray and having a keyhole slot formed adjacent its upper end, supporting means for the wall in the nature of headed elements received in the respective bayonet slots of the tray whereby it may be detached from the upstanding wall without displacement thereof, a supporting bridge centrally projecting from the upstanding wall, and a container secured to the supporting bridge and having means whereby articles may be dispensed therefrom singly.

In testimony whereof, I have affixed my signature in the presence of two witnesses.

LARS ROD.

Witnesses:

HELEN T. MCKEEVER,
M. K. JOHNSTON.