Nov. 10, 1925. 1,560,681

A. C. FISHER

GREASE CONTAINER

Filed Nov. 4, 1921

Fig. 3.

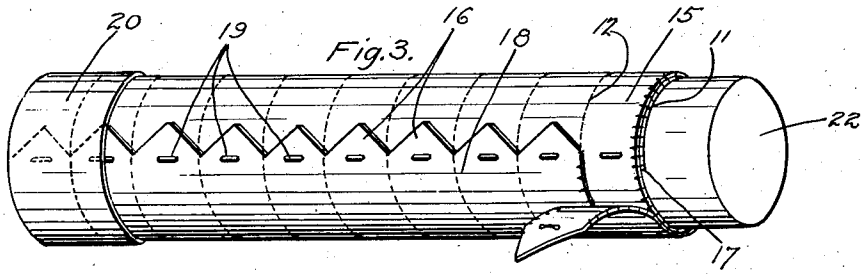


Fig. 1.

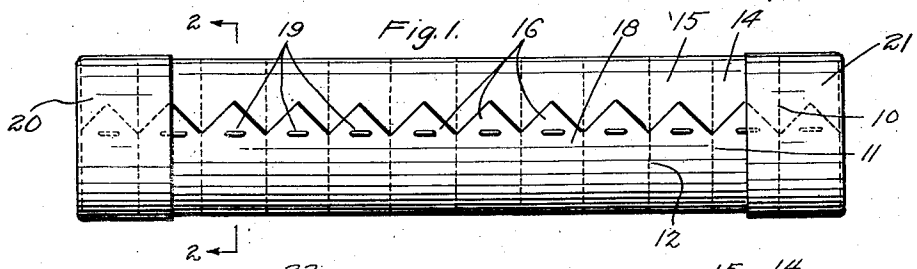


Fig. 6

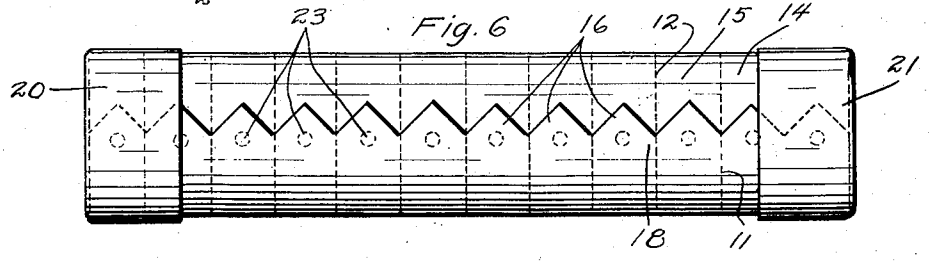


Fig. 5

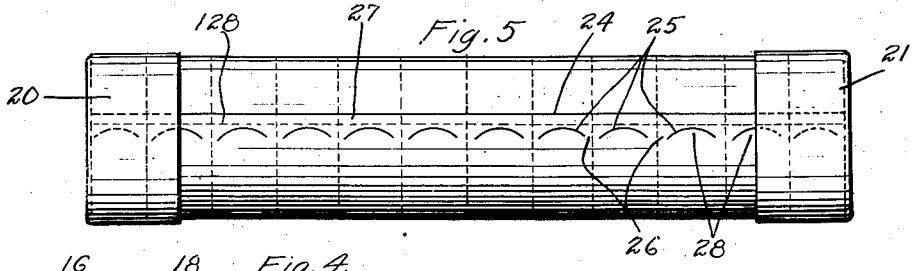


Fig. 4.

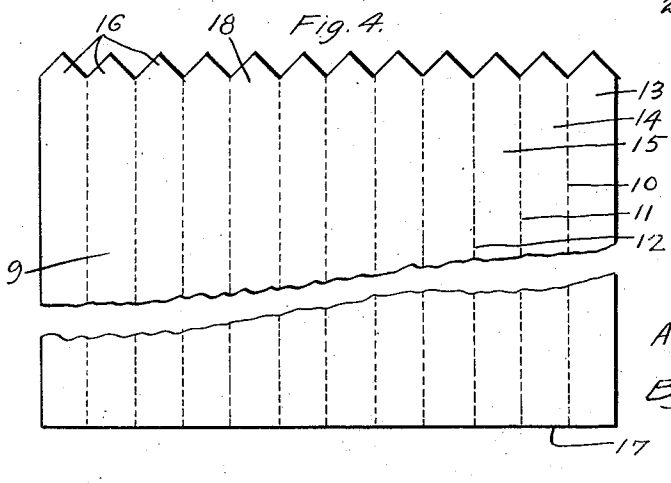
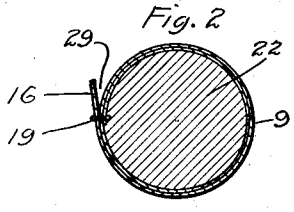


Fig. 2



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UNITED STATES PATENT OFFICE.

ARTHUR COOK FISHER, OF NORTH ST. PAUL, MINNESOTA.

GREASE CONTAINER.

Application filed November 4, 1921. Serial No. 512,838.

To all whom it may concern:

Be it known that I, ARTHUR COOK FISHER, a citizen of the United States, residing at North St. Paul, in the county of Ramsey and State of Minnesota, have invented a new and useful Improvement in Grease Containers, of which the following is a specification.

My invention relates to containers or packages for grease or other similar commodities and has for its object to provide a container formed in detachable sections which may be removed to successively expose portions of the contents of the container so that the same may be used as required.

Another object of the invention is to form the container of paper of a tubular formation and to provide the same throughout its length with perforations or other forms of weakening by means of which sections formed by said perforations may be severed from the body of the container.

Another object is to provide each of the sections with a tongue or finger engaging portion which is yieldably connected to the body thereof so that when said finger engaging portion is loosened from its point of attachment the section of the container may be torn away along the line of weakening so that the same may be completely removed leaving the contents of the container exposed and intact.

The full objects and advantages of my invention will appear in connection with the detailed description thereof and are particularly pointed out in the claims.

In the drawings, illustrating the application of my invention in one form:—

Fig. 1 is a side view of my improved container showing the same closed.

Fig. 2 is a section taken on line 2—2 of Figure 1.

Fig. 3 is a perspective view of the device shown in Figure 1 with two of the sections removed showing the contents exposed and with the finger engaging portion of the neck section loosened from its point of attachment and the said section partly severed along its line of connection with the body of the container.

Fig. 4 is a developed view drawn to a reduced scale of a sheet of stock from which my improved container is made.

Fig. 5 is a view similar to Figure 1 of another form of the invention.

Fig. 6 is a view similar to Figure 1 of a modified form of the invention.

In Figures 1, 2, 3, and 4, I have shown one form of the invention which is formed out of a single sheet 9 of paper or other suitable stock which is provided with a series of parallel perforations 10, 11, 12, etc., extending completely across the sheet. These perforations are spaced equidistant from each other so that the sheet is divided up into a number of narrow strips 13, 14, 15, etc. The end of each of the strips 13, 14 and 15 is formed with a tongue or finger engaging portion 16 which may be formed curved or which may be formed pointed as shown in the figures. This, however, is immaterial to the operation of the device.

In forming my container the sheet 9 is rolled with one of its edges 17 positioned axially along a suitable mandrel and the entire sheet rolled up upon the mandrel until a suitable tube is formed such as is clearly indicated in Figures 2 and 3. The other end 18 of the sheet is then firmly secured to the body of the tube by means of a number of staples 19 which are attached to the individual strips 13, 14, 15 etc., near the ends of the same in proximity to the tongues 16 so that the said tongues are free at their ends as indicated at 29 in Figure 2 and so that the said tongues may be readily grasped by the fingers. The tube is filled with the contents in any suitable manner and a pair of caps 20 and 21 are secured to the ends thereof to completely enclose the same within the container.

The use of the device when the same is employed for containing grease or similar substance is as follows. One of the caps 20 or 21 which simply fits snugly upon the end of the container is removed leaving the container open at that particular end. The first of the strips 13 is then removed by grasping the tongue 16 attached to that strip and pulling the same loose from the staple 19. After this has been accomplished the said strip may be severed along the line of perforation 10 until the strip is completely freed from the container leaving a portion of the contents of the container intact and in exposed condition as shown at 22 in Figure 3. In this position it can readily be seen that the grease is accessible and may be filled in the required grease cups without the necessity of employing a stick or other cumbersome means for getting the same out of

the usual container. Although I have shown perforations for separating the strips 13, 14, 15, etc., it can be readily understood that any form of weakening of the stock which will cause the same to separate along the required lines will suffice. When a sufficient amount of grease has been used cap 21 may again be replaced thereby covering the exposed end of the grease and causing the same to be kept clean and ready for use when required.

In Figure 6, I have shown another form of attaching the end 18 of the stock to the body thereof. In this form of the invention I apply small dabs of glue at 23 to each of the strips 13, 14, 15, etc., at the same location to which the staples 19 are applied in the other form of the invention. When the tabs are pulled the same are readily separated from the body of the container so that the strips may be removed in the same manner as in the other form of the invention.

In Figure 5 I have shown still another form of the invention in which the end 18 of the stock of the container is cut away straight as indicated at 24. Slightly inwardly from the edge 24, each of the strips 13, 14, 15, etc., is formed with an arcuate or crescent shaped incision 25 which extends completely through the same forming a number of circular tongues 28 at the ends thereof. These incisions are so arranged that a small space 26 exists between successive incisions on successive strips by means of which the extreme end 27 of the stock 9 is held attached to the body portion thereof. In forming the device the extreme end 27 is glued as indicated at 28 along its entire length to the body portion of the container. When it is desired to use this form of the invention the finger nail is inserted in any of the incisions 25 and the tongue 28 lifted upwardly similar to the tongues 16 and the same severed from the body portion of the container by first tearing apart the portion 26 holding the parts together and then severing the respective strip along its line of weakening.

The advantages of my invention are manifest. An extremely simple device is provided which eliminates the inconvenience of removing the contents of the container by means of a stick or other expedient. The container can be manufactured at a cost considerably below that of containers now in use and the size of the same can be regulated so that the diameter of the contents when the same are exposed will be such that the contents may be directly placed into the device in which they are to be used. When the container is made for grease the said container can be of a size such that it would just fit the grease cup in which it is to be used or it can be made of such a size that it can be inserted into a grease gun when the grease is applied in this manner.

In accordance with the patent statutes I have described the principles of operation of my invention together with the apparatus which I now consider to represent the best embodiment thereof, but I desire to have it understood that the construction shown is only illustrative and that the invention can be carried out by other means and applied to uses other than those above set forth within the scope of the following claims;

I claim:—

1. A container comprising a plurality of sections yieldably secured together to form a tubular body portion, said sections being spirally wound and means for securing the ends of said sections to the body thereof across only a portion of the width thereof.

2. A container comprising a plurality of sections yieldably secured together to form a tubular body portion, said sections being spirally wound and means for securing the ends of said sections to the body thereof across only a portion of the width thereof, said securing means being placed outwardly from the edges of said strips to provide engaging portions therefor.

3. A container comprising a number of circumferentially wound sections yieldably connected to one another, said sections consisting of superimposed layers having overlapping ends and means for securing said sections together across only a portion of the width thereof so as to yieldably attach the same to the body thereof and finger engaging means formed on said sections.

In testimony whereof I affix my signature.

ARTHUR COOK FISHER.