Aug. 10, 1926. 1,595,231

E. H. DRYER.

CONTAINER AND SPOUT

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Fig. 5.

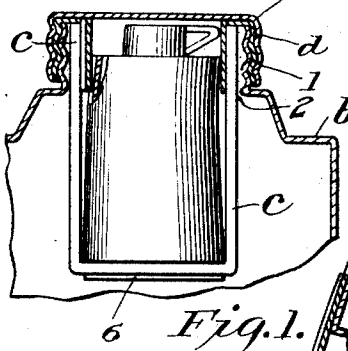


Fig. 1.

Fig. 3.

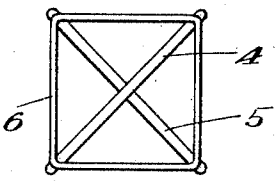
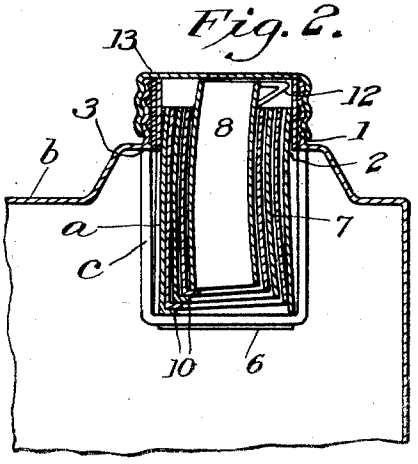


Fig. 4.

Fig. 2.



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UNITED STATES PATENT OFFICE.

EDWIN H. DRYER, OF BAKERSFIELD, CALIFORNIA.

CONTAINER AND SPOUT.

Application filed December 11, 1922. Serial No. 606,118.

This invention relates to sheet metal objects and particularly to a container adapted to carry and confine its own spout.

The invention has for an object the provision of a device of this character which is simple of construction, easy to handle, which involves many novel features of construction, is fool-proof and does not necessitate the provision of expensive parts or separate apparatus of any form requiring the transfer of liquid from one container to another in order that the same may be properly directed to parts where the liquid is to be used.

In practicing the invention, I provide a container carrying the usual short spout which is threaded for reception of a cover. Within the container and adjacent said short threaded spout is a cage carrying a series of telescoping members. It is intended that the first of said telescoping members should carry a suitable member whereby the members may be raised to form a long spout. Thus, if a can were used to hold oil such as lubricating oil, the oil might be poured through the long spout to any spot or point desired without the necessity of transferring the oil from the oil container to a second can provided with a spout. I likewise so form my device that it may be incorporated with any form of can now on the market.

With the above and other objects in view, the invention consists in the novel and useful provision, formation, construction, inter-relation of various parts, members and features, all as disclosed in certain embodiments in the accompanying drawing, described in the following statement, and finally pointed out in claims.

In the drawing:—

Figure 1 is a fragmentary view, certain parts being in section, of my improved container and spout;

Figure 2 is a view similar to Figure 1 and showing the spout collapsed;

Figure 3 is a plan view of the cage for holding the spout when collapsed;

Figure 4 is a cross sectional view of the spout member, taken on the line 4—4 of Figure 1; and,

Figure 5 is a fragmentary cross sectional view of a modified form of the invention.

Corresponding parts in all the figures are designated by the same reference characters.

Referring with particularity to the drawing, the device as an entirety is designated by A, of which *a* is the spout member and *b* the container, both of which devices are used in practicing one embodiment of the invention. The container *b* may be conventional in form and be provided with the usual cap receiving flange or spout portion 1 that surrounds an opening 2 in the container *b*. As is usual, liquid may be poured through the opening 2. However, in the present invention, the container *b* is provided with a cage *c* immediately below the opening 2, as shown at 3, and said cage may include two U-shaped members 4 and 5, the base portions of which are at right angles to each other and crossed, as shown in Figure 3, with a connecting member 6 associated with the bases and for holding the U-shaped members in position. The extremities of the U-shaped members may be joined with the container in any approved manner. Other forms of cage might be utilized, the principal essential being that the same must be open so as not to obstruct flow of any liquid past the same. The spout *a* includes a plurality of sectional members 7 of progressively decreasing diameter from the bottom up, and the sections 7 are received one within the other so as to telescope each other. In addition each section 7 is given a slight curve so that the spout when extended is curved throughout its length, as shown best in Figure 1. The first of the sections 7, as shown at 8, is somewhat longer than the remaining sections, and the sections are each grooved as shown in Figure 4, at 9, so that the sections may be guided in their collapsion and extension and at all times be held in proper working relation to each other. In addition, each section after the first section 8, has its lower end portion slightly upset or inwardly directed, as shown at 10, in order that each section shall not slip from its cooperating groove. In this particular it is to be noted that the groove of one section will act as a tongue in the next adjacent section, and so on. If the upset or inwardly directed portion were not provided, and assuming that the spout were in its extended position, as shown in Figure 1, one of the sections might become loose and drop within the cage *c*, which would render it difficult to align the grooves in proper sequence, and the said part 10 prevents this occurring, as it checks movement of each section of the spout in one direction. Within the flange 1 is an annular member 11 adapted to retain the lowermost section 7. It will again be

observed that the diameter of each section progressively increases from the top section to the bottom section, and this annular member 11 locks the lowermost portion of the aligned section 7 in position when the spout is extended. By pressing upon the mouth of the spout 8, all the sections may be collapsed within the container, as illustrated in Figure 2, and held in such collapsed condition by the cage. In this connection the first collapsible section 8 carries a small finger-piece 12 which may be grasped so as to raise the sections into normal extended position. When the sections are collapsed a cover member 13 may be screwed upon the flange 1.

Upon reference to Figure 5, it will be noted that it is possible to adapt this invention to containers now on the market, and the modification consists in providing an annular member *d* which is screw-threaded for reception on the flange 1 of the container *b*, and which annular member *d* is in turn associated with the cage *c*. The usual cap or cover 13 is screw-threaded upon the threaded portion of the annular member *d*. It will thus be seen that the principle of the invention does not differ from that just described for Figures 1 to 4 inclusive, as all the remaining parts are the same. It is simply necessary in the device illustrated in Figure 5 to remove the cover or cap 13, screw the annular member *d* upon the part 1 of the container, and then replace the cap 13. Removal of the cap 13 will permit the spout to be extended similar to that shown in Figure 1.

It is obvious that various changes and modifications may be made in practicing the invention, in departure from the showing, but that said modifications and changes may be made within a fair interpretation of the invention as disclosed and set forth in the following claims.

Having thus disclosed my invention, I claim and desire to secure by Letters Patent:—

1. A container provided with a spout member formed of telescoping sections, said sections being grooved, and the groove of one section forming a tongue for reception in a portion of the next section carried thereon, whereby the sections may be held in a given relation.

2. A container provided with a spout member formed of telescoping sections, said sections being grooved, and the groove of one section forming a tongue for reception in a portion of the next section carried thereon, whereby the sections may be held in a given relation, and means associated with each section for limiting movement of the next adjacent section in one direction.

3. The combination with a container provided with the usual mouth opening and threaded flange surrounding the same, of a telescoping sectional spout carried within the container and adapted to be projected through the open mouth portion and the threaded flange; and a wire cage member within the container in alignment with the open mouth and the threaded flange for holding the spout when collapsed.

4. The combination, with a container provided with the usual threaded container spout, of a collapsible spout member formed of telescoping sections, and means for reception upon the container spout and adapted to hold said collapsible spout to said container; said means comprising an annulus formed with a threaded flange for engagement with the threads of the container spout, and the said annulus being provided with a cage for holding the sections of the collapsible spout in a given relation when said spout is collapsed.

5. The combination with a container provided with the usual threaded container spout, of a collapsible spout member formed of telescoping sections, an annulus formed with a threaded flange for engagement with the threads of the container spout, said annulus being adapted to hold said collapsible spout to said container when the collapsible spout is in extended position.

In testimony whereof, I have signed my name to this specification.

EDWIN H. DRYER.