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E. H. SIELING

1,863,418

RING FOR URN BAGS

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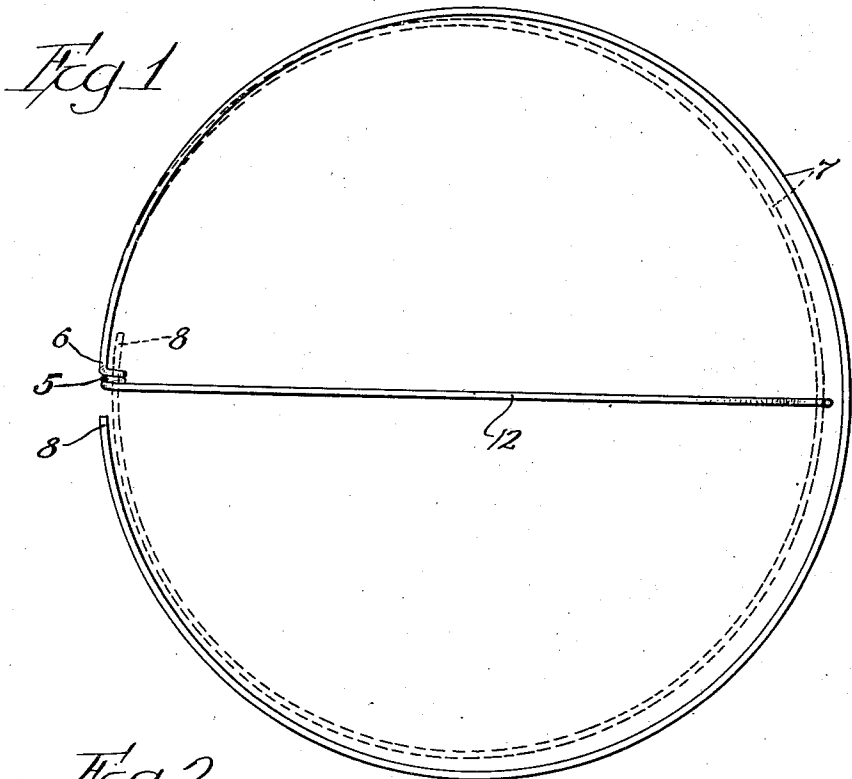


Fig. 2

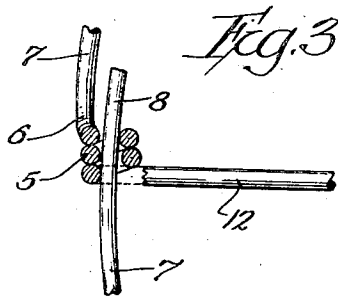
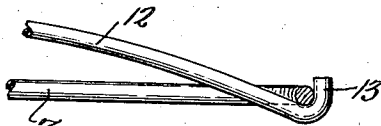
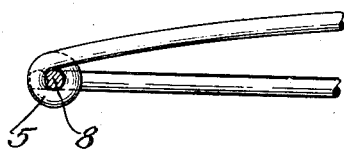
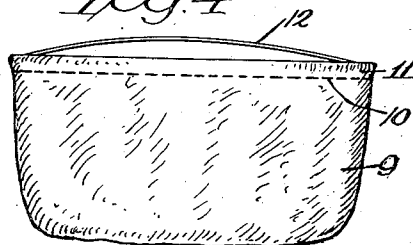


Fig. 4



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RING FOR URN BAGS

Application filed February 13, 1931. Serial No. 515,447.

My invention relates generally to bags of the type used in coffee-urns, but it has more particular reference to the metal or like ring that is inserted into the tubular seam or loop in the upper edge of the bag for maintaining the bag in a properly spread manner as well as for supporting the bag in the upper portion of the urn.

Numerous structures have been devised for spreading and supporting an urn bag, and some of them have proven more or less efficient, while others have been found to be too complicated in use as well as quite expensive from the manufacturing standpoint. Attempts have also been made to provide the ring with means whereby the bag may be removed from the urn after it has been used, but most of the devices have been unsatisfactory because of inherent defects due to the fact that such removing devices have been hinged to the ring and the pivots soon rust and become useless. Another method devised for removing the bag from the urn has been to provide a separate lifter device that grasps the bag and ring when the latter are to be taken out, but these are likewise objectionable because they often are misplaced or become lost with the result that the bag, usually quite hot, must be grasped with the hand.

In designing my herein disclosed urn bag ring I have sought to and have successfully overcome the objections and disadvantages of the structures that have heretofore been used. To this end I have provided a ring for spreading the urn bag, and I have formed, preferably integrally with the ring, a bail or handle by which the bag may be readily inserted in or removed from the urn. I have accomplished this without the use of pivots or hinge elements, or the employment of a separate lifting device with which to grasp the bag.

Primarily, the object of my present invention is the provision of an urn bag ring that is effective and dependable in operation, and which has no moving hinged parts to get out of order. Another and equally important object is to provide a device of this character that may be readily produced at a very small manufacturing cost. Further objects of my

invention are to provide a ring for urn bags that is novel in construction, is made of sturdy parts, is dependable in use, and which may be assembled readily and quickly with the urn bag.

I prefer to carry out my invention and to accomplish the numerous objects thereof in substantially the manner hereinafter fully described and as more particularly pointed out in the claims, reference being herein made to the accompanying drawing that forms a part of this specification.

In the drawing:—

Figure 1 is a top plan of my improved ring structure for urn bags.

Figure 2 is a foreshortened view showing the manner of securing the split ring together and latching the free end of the bail.

Figure 3 is a top plan, partly in horizontal section, of the left hand portion of the structure shown in Figure 2.

Figure 4 is a side elevation of an urn bag showing my invention applied thereto.

The drawing, it will be understood, is more or less schematic for the purpose of disclosing a typical or preferred form in which my invention may be made, and in said drawing I have employed the same reference characters to designate like parts wherever they appear throughout the several views.

It is a purpose of my invention to form the ring and the bail out of a single length of stout yieldable wire, and by referring to Figure 1 it will be seen that the piece of wire is bent, intermediate its ends, into a tubular coil 5 that forms an eye. The portion of the wire on one side of this eye is bent laterally as at 6 and it is then curved in a circular shape to provide a split ring 7. At the end of the ring, the end of the wire designated as 8 is opposite the eye 5 and the eye has its axis extending in substantially the same direction as the end 8 of the wire. This permits the end 8 of the wire to be inserted into the eye in the manner shown in dotted lines in Figure 1 so that the eye or coils telescope thereon.

The bag 9 is preferably of suitable fabric such as used in coffee urns for making drip-

coffee and the bag is provided with a row of stitching 10 near its mouth or upper edge to provide a tubular hem or pocket 11 to receive the ring 7. In assembling the bag upon the ring, the free end 8 of the ring is inserted through an entrance slot in the tubular hem 11 and the bag is then threaded on until it extends entirely around the ring. The end of the ring is then inserted into the eye in the manner above suggested.

The portion of the wire on the other side of the coiled eye extends, tangent to the eye, diametrically toward the opposite side of the ring 7 in the manner shown in Figures 1 and 4 to provide a bail 12, and, while it is not necessary, it is desirable to have the bail 12 bowed upwardly in the manner suggested in Figures 2 and 4. The bail, it will be seen, forms a continuation from and is integral with the eye 5 and its length is preferably less than the diameter of the ring as will be seen in Figure 1. An up-turned hook 13 is made upon the free end of the bail so that it may engage with the adjacent portion of the ring and hold the bail in position.

After the end 8 of the ring has been inserted through the eye, the hooked end 13 of the bail is engaged with an adjacent portion of the ring and this is done by compressing or distorting the ring slightly so that the hook will reach under the wire forming a contiguous segment of the ring and interlock therewith. This distortion of the ring and the resultant pull upon the bail also distorts the axis of the eye slightly oblique to its normal position thus causing certain of the coils of the eye to tightly engage the end 8 of the ring and thus prevent the said end portion from being retracted or inadvertently pulled out of the eye. This is schematically illustrated in Figure 3.

From the foregoing explanation it will be seen the structure may be readily manufactured from a single piece of wire, and the parts thereof may be brought into interengagement and be assembled with the bag in a very quick and dependable manner. Of course, the present form and construction may be modified without departing from the principle involved. It will be understood therefore that the accompanying drawing and the herein description are given for the purpose of clearness of understanding only and no unnecessary limitations are to be understood therefrom.

What I claim is:—

1. A device of the kind described comprising a length of wire shaped into a split ring, an eye at one side of the split to receive the other end of the wire, a bail formed from the remaining portion of the wire and extending diametrically across said ring, and means for connecting the end of the bail to the portion of the ring opposite said eye.

2. A device of the kind described comprising

a length of wire a portion of which is shaped into a split ring, means for detachably connecting the wire at the sides of the split, a bail integrally formed from the remaining portion of the wire and extending diametrically across said ring, and means for connecting the remote end of the bail to the portion of the ring opposite the split.

3. A device of the kind described comprising a length of wire shaped into a split ring, means at one side of the split to receive the end of the wire at the opposite side of the split, a bail integrally formed from the remaining portion of the wire and extending diametrically across said ring, and a hook at the end of the bail and adapted to engage the portion of the ring opposite the split.

4. A device of the kind described comprising a split wire ring, an eye at one side of the split consisting of a plurality of coils and disposed with its axis substantially aligned with and adapted to telescope the wire at the other side of the split, a bail integral with the wire forming the ring and eye and disposed diametrically across said ring, and means for connecting the end of the bail to the portion of the ring opposite said eye.

5. A device of the kind described comprising a split wire ring, an eye at one side of the split consisting of a plurality of coils and disposed with its axis substantially aligned with and adapted to removably telescope the wire at the other side of the split, a bail integral with and extending from one of the coils of the eye and disposed diametrically across said ring, and a hook at the free end of the bail for engagement with a portion of said ring opposite the eye whereby opposite portions of the ring may be lifted by the bail.

6. A device of the kind described comprising a length of wire that has an intermediate portion bent into a tubular coil, the portion of the wire on one side of the coil being formed annular shape with its end removably inserted in said coil, and the portion of the wire on the other side of the coil being extended diametrically across the ring with its remote end formed into a hook to engage the adjacent portion of the annular structure that is opposite the coil.

7. A device of the kind described comprising a length of wire shaped into a split ring, an eye at one side of the split to receive the other end of the wire, a bail formed from the remaining portion of the wire and extending diametrically across said ring, and means for connecting the end of the bail to the portion of the ring opposite said eye, the ends of the bail being separated a distance less than the normal diameter of the ring whereby the connection of the bail to the ring slightly distorts the latter.

8. A device of the kind described comprising

prising a length of wire shaped into a separable split ring that is unobstructed and is readily insertable into the continuous tubular hem of an urn-bag, means for detachably connecting the ends of the ring at the split,
5 a bail formed integrally with the ring and extending from the split to a portion of the ring spaced from the split, and means for detachably connecting the end of the bail farthest from the split to an adjacent portion of
10 the ring.

Signed at Chicago, in the county of Cook,
and State of Illinois, this 27th day of January, 1931.

EDWARD H. SIELING.