

Sept. 20, 1932.

A. G. CRAZ

1,878,265

CONTAINER CAP

Filed June 12, 1931

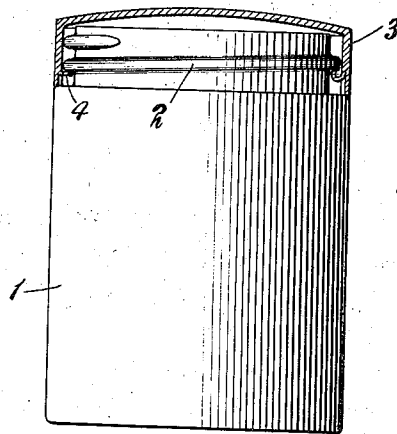


Fig. 1

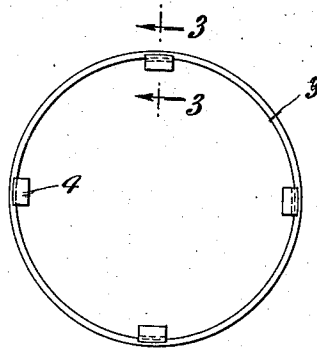


Fig. 2

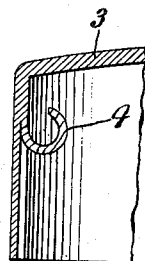


Fig. 3

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CONTAINER CAP

Application filed June 12, 1931. Serial No. 543,765.

This invention relates to caps for sundry devices among which may be jars and other receptacles provided with screw threads or other thread members.

5 The principal object of the invention is the production of a cap of exceedingly simple and inexpensive construction which shall preferably be formed of sheet metal and which shall be so constructed as to permit it
10 to be screwed on a container or jar or other device provided with thread members but with the outer surface of the cap undefaced by threading or other expedient for enabling it to cooperate as a screw with the member
15 on which it is screwed thereby retaining a pleasing appearance of the cap unmarred by the means provided for its attachment to the container.

Other and further objects and advantages
20 of the invention will appear from the following description taken in connection with the accompanying drawing in which:

Fig. 1 is a side elevation of a jar or container having a screw-threaded neck and
25 showing the cap (in section) applied thereto.

Fig. 2 is an inverted plan view of the cap.

Fig. 3 is an enlarged cross-section on the line 3—3 of Fig. 2.

Referring in detail to the several figures of
30 the drawing showing a practical embodiment of the invention as applied to a jar or other container:

The jar or other container is indicated at 1 and it is preferably provided with a neck 2
35 having screw-threads or other thread members made in any desired way. The metallic cap of the invention is indicated at 3 and as shown its outer surface is undefaced and unthreaded and presents a perfectly smooth appearance.
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The said cap 3 is preferably formed of comparatively heavy stock to facilitate the formation of upstanding lugs or projections 4 upon its inside surface adapted to cooperate
45 with the thread member of the container.

These lugs or projections are formed by a shaving, cutting or slitting operation performed at the desired intervals upon the metal of the inner wall and (to facilitate the operation) preferably inwardly starting
50 from the peripheral edge of the cap and as clearly shown in Fig. 3. As will be obvious said cut or shaved portions may be formed by any suitable tool or die which will simultaneously cause the cutaway portions to occupy an upstanding position above the general plane of the inner wall of the cap to adapt them to function by cooperating screw action with the other member. If desired,
55 the tool may act to curl said cut or shaved portions over on or towards themselves during the cutting or shaving operation. The one more upturned portions of the metal 4 thus made are the thread members cooperating with the screw member of the neck and, being wholly on the inside of the skirt or flange of the cap, are invisible. The lugs
60 4 it will be seen consist of the cutaway portions of the metal of the cap in contradistinction to any ordinary screw-threaded cap in which the cutaway portions are discarded and the uncut portions retained to form the screw. Said lugs 4 are located preferably in staggered relation to each other and as usual are
65 so positioned as to conform to the pitch of the thread on the neck 2. The cap may then be screwed on the neck 2 or unscrewed therefrom with facility and in an obvious manner.

In some cases the neck of the jar as such is dispensed with and threaded members are formed directly on the body of the jar. Also in some cases the cap may be of a configuration other than round, for instance, hexagonal. Further, as will be obvious, the invention may be applied to advantage to any device provided with thread members and adapted to receive a cap which functions like any ordinary screw-threaded cap.
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What I claim is:

1. A container cap of metal adapted to be
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- screwed on a receptacle provided with thread members, said cap having a smooth undefaced outer surface, the metal of the inner wall of said cap being slit inwardly at intervals from the peripheral edge of said cap to form thread members so positioned as to conform to the pitch of the thread members of the receptacle on which the cap is to be screwed.
2. A container cap of metal adapted to be screwed on a receptacle provided with thread members, said cap having a smooth undefaced outer surface, the metal of the inner wall of said cap being slit inwardly at intervals from the peripheral edge of said cap, said slit portions being then curled over on themselves to form thread members arranged in staggered relation to each other and so positioned as to conform to the pitch of the thread members of the receptacle on which the cap is to be screwed.
3. A container cap of metal adapted to be screwed on a receptacle provided with thread members, said cap having an undefaced outer surface and a plurality of lugs formed of metal shaved from the metal of the inner side of said cap and positioned to cooperate with the thread members of the receptacle on which the cap is to be screwed.
4. A cap adapted to be screwed on a device provided with a thread member, said cap having an undefaced outer surface and a cooperating lug shaved from the material of the inner wall of said cap and so positioned as to cooperate by screw action with the thread member on the aforesaid device.
5. A cap adapted to be screwed on a device provided with thread members, said cap having an undefaced outer surface and a plurality of upstanding lugs cut from the material of the inner side of said cap, said lugs consisting of the cut portions of the material of the cap and being so positioned as to cooperate with the thread members on the aforesaid device.
6. A metallic cap adapted to be screwed on a receptacle provided with thread members, said cap having a plurality of lugs cut exclusively from the material of the inner side of said cap and without defacing the outer surface thereof, said lugs consisting of the upstanding cut portions of the metal and being so positioned as to cooperate with the thread members of the receptacle.
7. A cap adapted to be screwed on a device provided with a thread member, said cap having an upstanding lug cut exclusively from the material of the inner side of said cap and without defacing the outer surface thereof said lug consisting of the cut portion of the material of the cap and being so positioned to cooperate by a screw action with the first named thread member.
8. A container cap of metal adapted to be screwed on a receptacle provided with thread members, said cap having an undefaced outer surface and a plurality of lugs formed of metal shaved from the metal of the inner side of said cap and positioned to cooperate with the thread members of the receptacle on which the cap is to be screwed and to hold the cap down upon its seat by the cooperating action of said members when the cap is screwed home.
- Signed at Brooklyn in the county of Kings and State of New York this 10th day of June A. D. 1931.
- ALBERT GEORGE CRAZ.

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