

E. M. LANG, JR.
CAN CAP.

APPLICATION FILED FEB. 20, 1911.

1,122,955.

Patented Dec. 29, 1914.

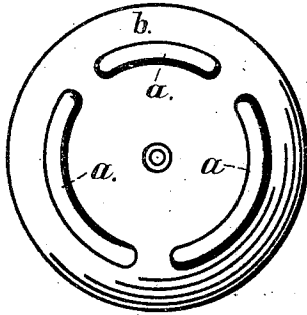


Fig. 1.

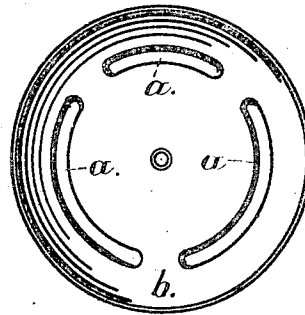


Fig. 2.

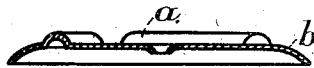


Fig. 3.

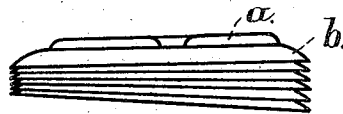


Fig. 4.

Fig. 5.

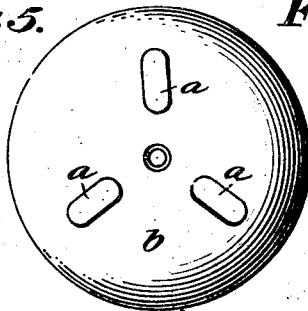
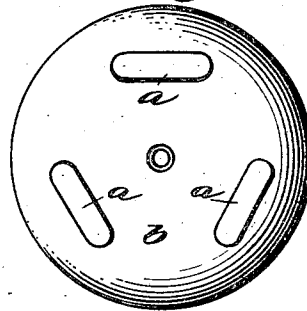


Fig. 6.



Witnesses:

Edward J. Jones.
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Inventor.

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UNITED STATES PATENT OFFICE.

EDWARD M. LANG, JR., OF PORTLAND, MAINE.

CAN-CAP.

1,122,955.

Specification of Letters Patent.

Patented Dec. 29, 1914.

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To all whom it may concern:

Be it known that I, EDWARD M. LANG, JR., a citizen of the United States, residing at Portland, in the county of Cumberland and State of Maine, have invented an Improvement in Can-Caps; and I hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to the caps ordinarily employed for the sealing of cans used for the preservation of hermetically sealed goods and for other purposes. These caps as they have heretofore been prepared are so made that when placed one upon the other, they nest completely. From this fact has arisen great difficulty in the use of mechanical appliances for feeding the caps for any purpose and, indeed, even with caps fed by hand, the difficulty experienced being in the separation of the caps one from another.

It is the purpose of my invention to produce caps which, while numbers of them will nest, will not permit the edges of the caps so nested to be so closely contiguous as to prevent their ready separation either by mechanical means or manually. This may be effected in several ways without departing from the spirit of my invention. In the drawing is shown a can cap which possesses the merits sought by my invention wherein the object is effected by means of a broken groove or indentation made from the under side of the cap.

In the drawing: Figure 1 shows a top plan of the cap, Fig. 2 a view of the under side of the same; Fig. 3 a transverse vertical section of the cap, Fig. 4 shows in side elevation a stack of said can caps as adapted to be fed in the machine; and Figs. 5 and 6 are plan views of similar caps to those of Figs. 1 and 2, except that the protuberances thereon are differently arranged.

The grooves *a, a* are shown in Figs. 1 and 2 and are disposed within the lip *b* of the cap and, as before stated, raised upon the upper side of the cap. They may, how-

ever, be produced with equally good effects by grooving them downward so that upon the upper surface of the cap they present the appearance of creases or grooves. I do not, however, confine myself to circular grooves concentric with the center of the cap, nor, indeed, to circular grooves, but the grooves may be disposed radially, or as chords of a circle, as shown in Figs. 5 and 6, respectively, or three or more indentations may be made in the cap either from above or below (not passing through the cap). Other methods in which the same results may be accomplished will readily suggest themselves.

The caps constructed in accordance with my invention nest more loosely than ordinary caps so that the fingers of the hand, when the caps are fed manually, or the various devices used in cap feeding mechanisms for the purpose may readily separate the lowermost or uppermost cap, as may be desired, from the others. And even when a magnet is employed for the purpose of separating the uppermost cap from the others, it will be found that, when the caps are provided with the means I have described above, the lifting of two caps at the same time, which often happens with the present form of cap, may be avoided.

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

A nest of saucer-shaped can caps, each provided with grooves stamped in one side thereof forming protuberances on the other side of said cap, the said protuberances providing a small clearance space between the major surfaces of adjacent caps, substantially as and for the purposes described.

In testimony whereof, that I claim the foregoing as my invention, I have hereunto set my hand this eighteenth day of February, A. D. 1911.

EDWARD M. LANG, JR.

Signed in presence of—

A. C. BERRY,
LLEWELLYN BARTON.