

No. 709,017.

J. H. KUECHENMIESTER.
CAN.

Patented Sept. 16, 1902.

(Application filed Nov. 18, 1901.)

(No Model.)

Fig. 1.

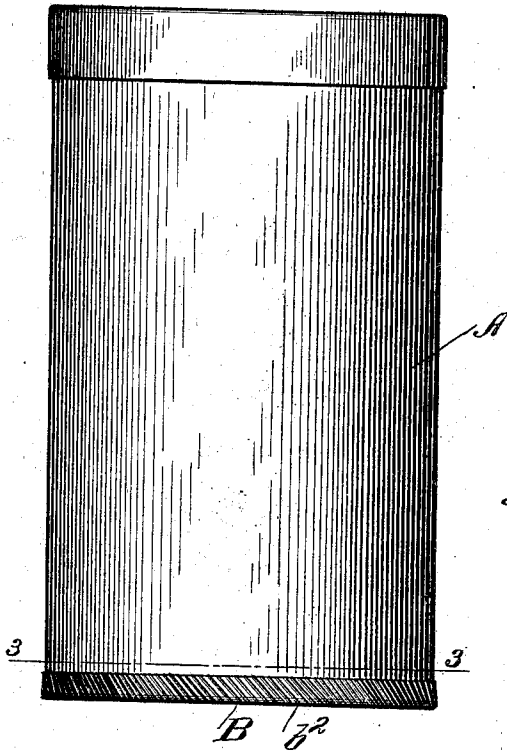


Fig. 2.

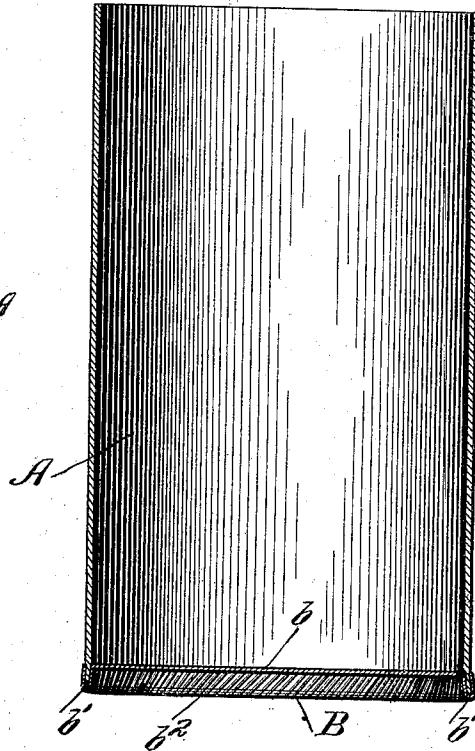


Fig. 3.

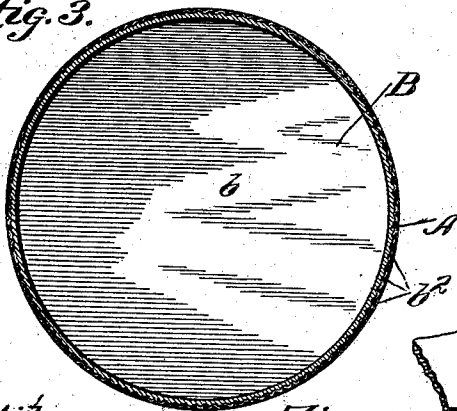
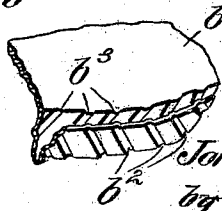


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN H. KUECHENMIESTER, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF TO HENRY KUECHENMIESTER, OF ST. LOUIS, MISSOURI.

CAN.

SPECIFICATION forming part of Letters Patent No. 709,017, dated September 16, 1902.

Application filed November 19, 1901. Serial No. 82,911. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. KUECHENMIESTER, a citizen of the United States, residing at the city of St. Louis, State of Missouri, have invented a certain new and useful Improvement in Cans, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of a can constructed in accordance with the present invention. Fig. 2 is a central vertical sectional elevation thereof, the cover being removed. Fig. 3 is a plan view, partly in section, on the line 3 3 of Fig. 1; and Fig. 4 is a fragmentary perspective view showing the flange-plates of the can-head slightly spread apart to illustrate the corrugations.

My invention relates to cans, and more particularly to the manner of securing the head upon the can-body, the invention being particularly adapted to cans having paper bodies and metallic heads, although it is in nowise limited to such application.

In cans of the character indicated, as heretofore constructed, difficulty has been experienced in firmly securing the head upon the body, these heads frequently being forced off in packing and handling, and this defect has particularly existed in cans having their inner faces coated with paraffin.

The object of the present invention is to provide a structure which can be easily and cheaply manufactured and in which the head will be most firmly secured upon the body.

To these ends and also to improve generally upon devices of the character indicated my invention consists in the various matters hereinafter described and claimed.

Referring now more particularly to the drawings, A represents a cylindrical can-body, which may be of paper or any other suitable material and may have its inner face coated with paraffin or the like for well-understood purposes.

B represents the can-head, which, as illustrated, has a body portion or can-bottom b and a refolded flange b' , between the plates of which fits the ends of the can-body. The

flange-plates are forced toward each other and engage the end of the body portion. A series of indented corrugations are made in one or both walls of the flange, the said corrugations upon the respective flange-plates being lettered b^2 and b^3 , and these indented portions take into the can-body and serve to firmly hold the head upon the body. Manifestly such indentations can be of various characters and can be made in many ways; but I prefer to crimp the flange upon the body portion, employing fine and closely-arranged corrugations, as illustrated, these corrugations being diagonally disposed with relation to the longitudinal axis of the can. Preferably both plates of the flange are thus corrugated, and the corrugations of one plate extend in the opposite direction to those of the other plate, whereby the corrugations engaging opposite sides of the can-body cross each other, and the said body is thus firmly clamped.

A can constructed as above described can be quickly and cheaply manufactured, and its head is most firmly fastened upon the can-body.

I am aware that many minor changes in the construction, arrangement, and combination of the several parts of my device can be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A can or the like comprising a body of yielding material, and a head having a flange adjacent the same, said flange having its material bent throughout its thickness to produce corrugations which are embedded in the surface of the material of which the can-body is composed and extend diagonally across the longitudinal axis of said can-body.

2. A can or the like comprising a body, a head, and corrugated plates upon said head and engaging opposite sides of said body, the corrugations of one of said plates extending at an angle different from that at which the corrugations of the other of said plates extend; substantially as described.

3. A can or the like comprising a body, a

head, and corrugated plates upon said head and engaging opposite sides of said body, the corrugations of one of said plates extending at an angle opposite to the angle at which the
5 corrugations of the other of said plates extend and the corrugations of one plate crossing the lines of the corrugations of the other plate; substantially as described.

4. A joint for cans and the like comprising
10 overlapping sheet portions, one of said sheet portions being of yielding material, and the other of said sheet portions being bent throughout its thickness to produce corrugations which are embedded in the surface of
15 said yielding material and extend at an angle to the transverse axis of the joint; substantially as described.

5. A joint for cans and the like comprising overlapping sheet portions, one of said sheet
20 portions being of yielding material, and the other of said sheet portions being bent throughout its thickness to produce corrugations which are embedded in the surface of the said yielding material and extend diagonally
25 across the longitudinal axis of said joint; substantially as described.

6. A joint for cans and the like comprising a sheet portion upon one of the joined parts,

and corrugated sheet portions upon the other of said joined parts and engaging upon opposite sides of said first-mentioned sheet portion, the corrugations of one of said corrugated sheet portions extending at an angle different from that at which the corrugations of the other of said corrugated sheet portions
35 extend; substantially as described.

7. A joint for cans and the like comprising a sheet portion upon one of the joined parts, corrugated sheet portions upon the other of said joined parts and engaging upon opposite
40 sides of said first-mentioned sheet portion, the corrugations of one of said corrugated sheet portions extending at an angle opposite to the angle at which the corrugations of the other of said corrugated sheet portions extend, and
45 the corrugations of one of said corrugated sheet portions crossing the lines of the corrugations of the other thereof; substantially as described.

In testimony whereof I hereunto affix my
signature, in the presence of two witnesses,
this 16th day of November, 1901.

JOHN H. KUECHENMIESTER.

Witnesses:

GEORGE BAKEWELL,
G. A. PENNINGTON.