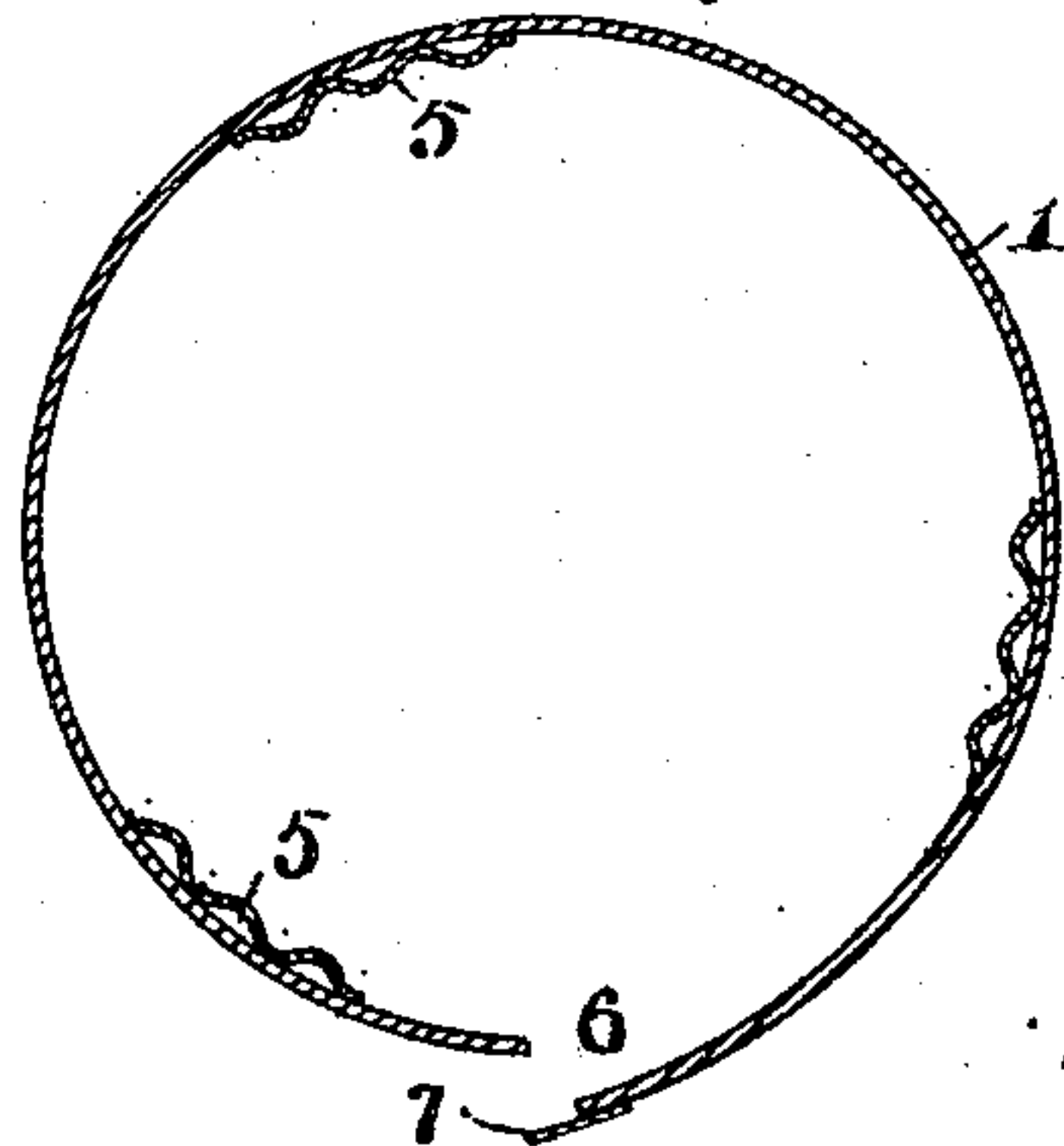
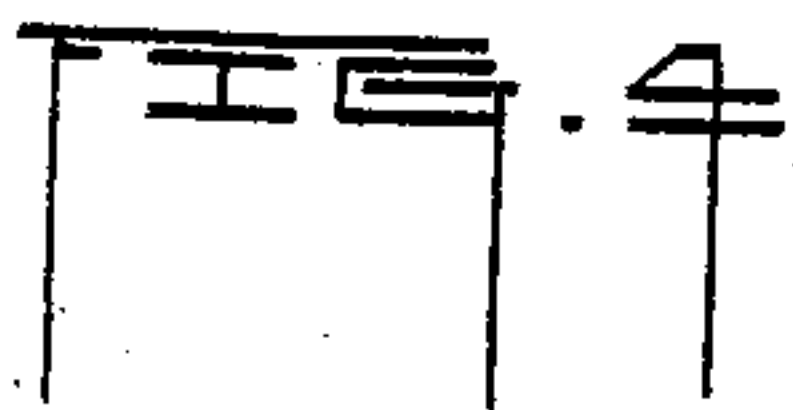
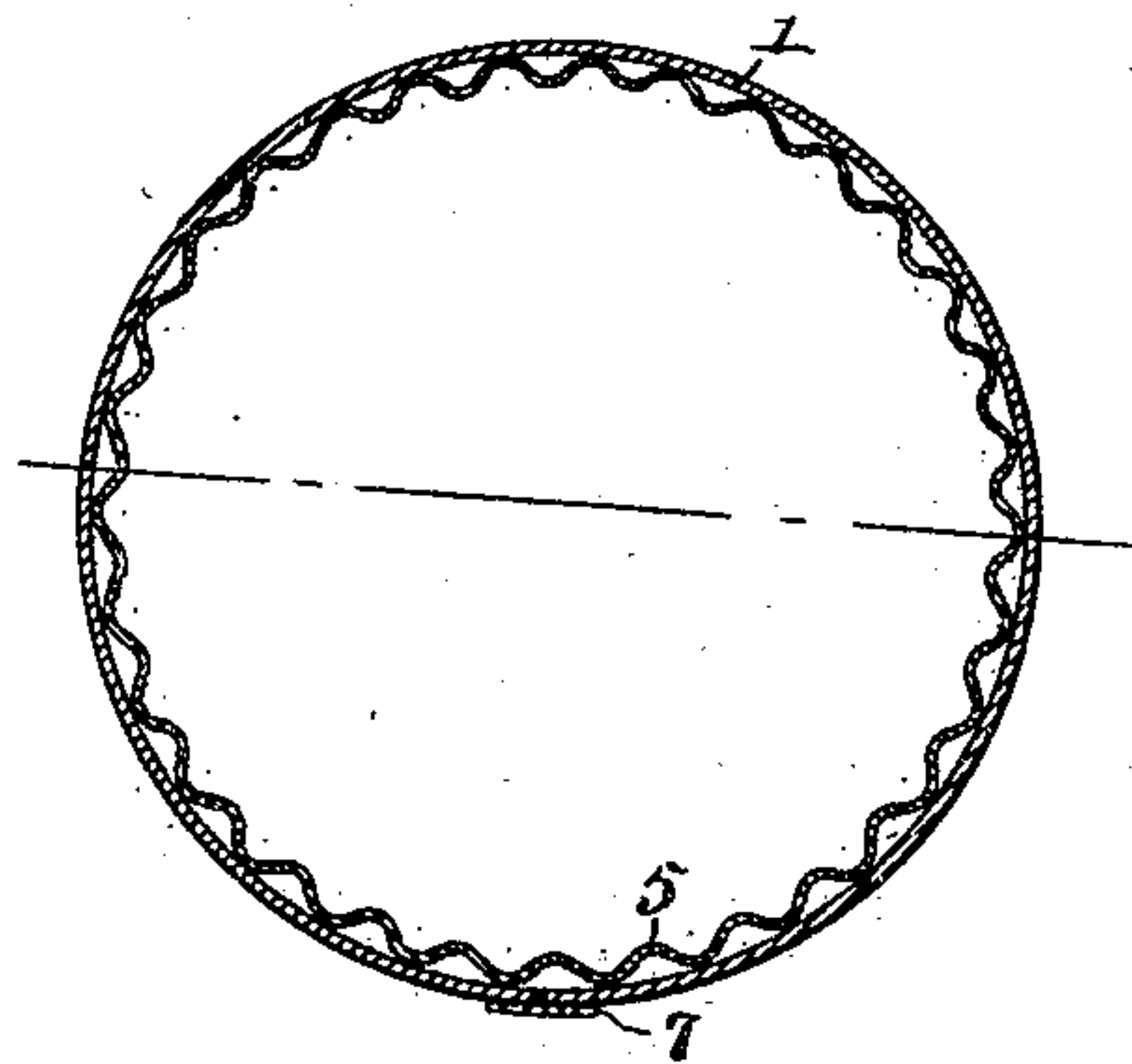
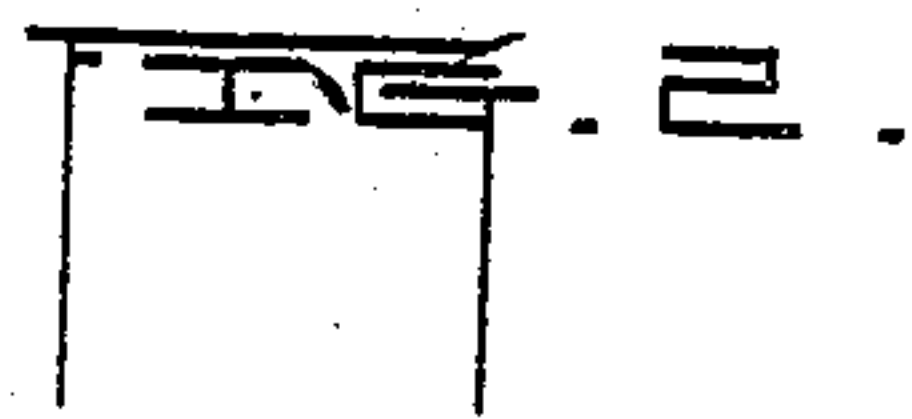
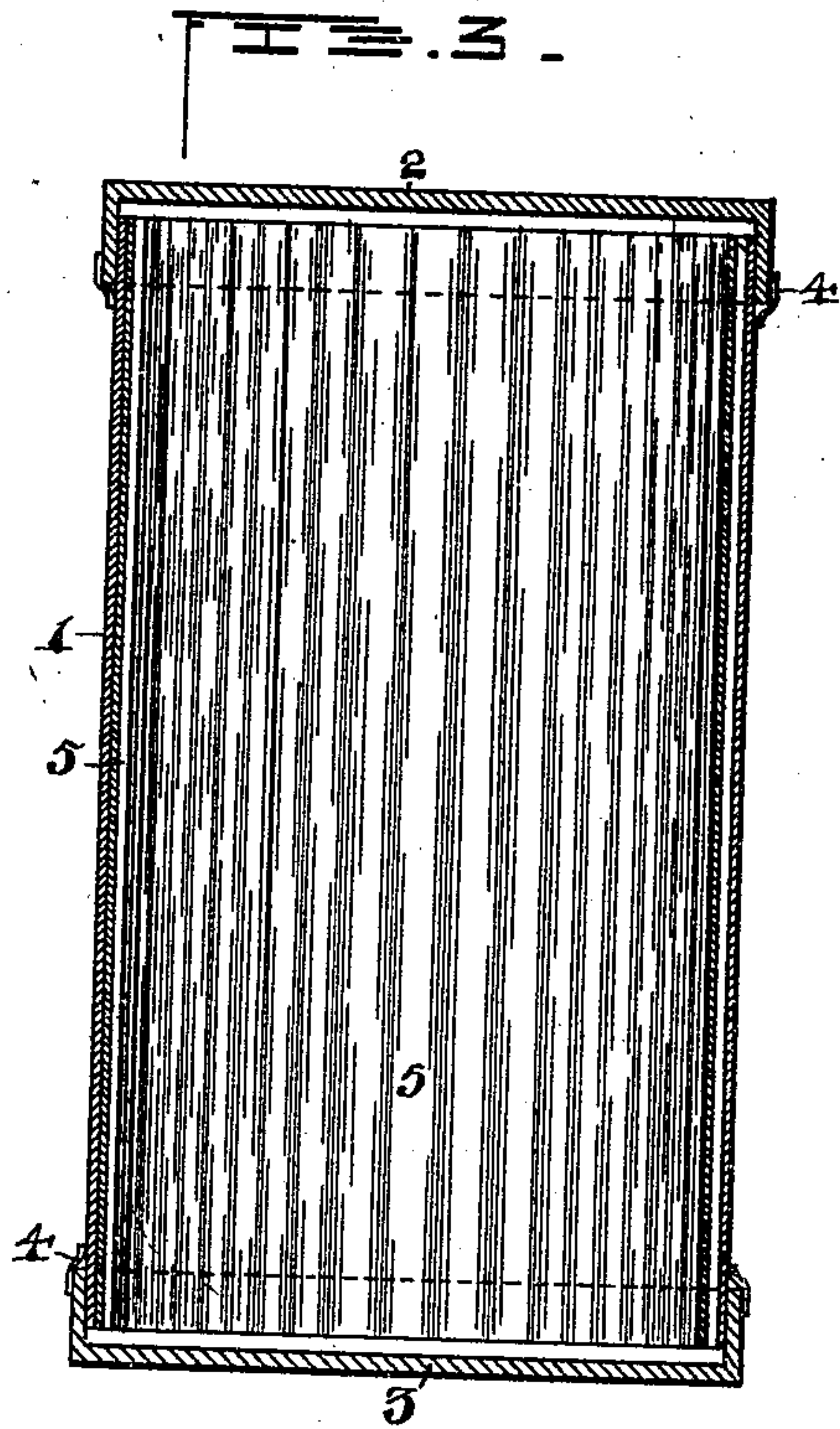
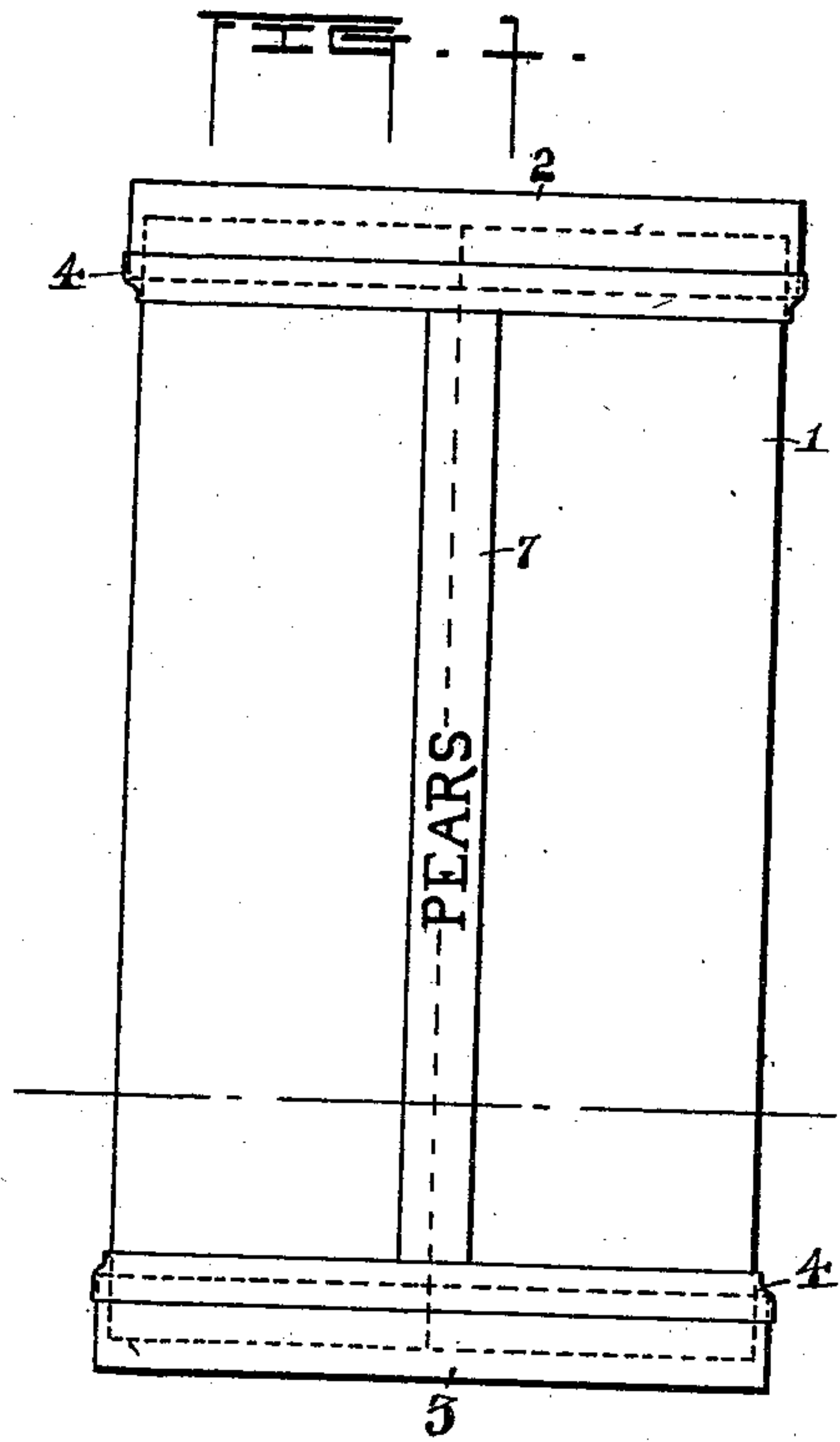


(No Model.)

M. E. CLARK.
GLASS FRUIT JAR PROTECTOR.

No. 502,951.

Patented Aug. 8, 1893.



WITNESSES

O. N. Klean

Donald Smith

INVENTOR

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by
Benj. R. Catlin, Atty

UNITED STATES PATENT OFFICE.

MARY E. CLARK, OF CORNING, NEW YORK.

GLASS-FRUIT-JAR PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 502,951, dated August 8, 1893.

Application filed January 6, 1892. Serial No. 417,212. (No model.)

To all whom it may concern:

Be it known that I, MARY E. CLARK, a resident of Corning, in the county of Steuben and State of New York, have invented certain
5 new and useful Improvements in Glass-Fruit-Jar Protectors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to
10 make and use the same.

Fruit contained in glass receptacles is deteriorated by the actinic effect of light. It is further liable to injury by variations in temperature which may injuriously affect the
15 sealing material and in case of high temperatures aggravate any tendency to fermentation which may exist.

The object of the invention is to provide a protecting cover for fruit jars and the like capable of easy application thereto and adapted to exclude light and air; and it consists in the construction hereinafter described and pointed out.

In the accompanying drawings, Figure 1 is
25 a side elevation; Fig. 2 a transverse section; and Fig. 3 a longitudinal section of a jar and the improved cover and Fig. 4 is a transverse section of a curved blank and adhesive strip suitable for forming a cover.

30 My improved glass jar protector is preferably made of paper on account of its cheapness, opacity and non-heat-conducting quality. Numeral 1 denotes the body of such a protecting cover and 2 and 3 caps for its ends,
35 which caps may be one or both of them if desired be made of metal though paper is preferred. When both caps are removed a jar can be readily pushed through or out of the cover and another replaced, the compressible ribs hereinafter described co-operating to
40 render this operation easy and practicable. When such a protector is applied to a jar of fruit the joint between the cap and the main part of the air tight paper protector is closed
45 by a thin adhesive strip as indicated in manner to perfectly exclude air. This can be effected by pasting over the same a paper strip 4 which can be readily cut or torn away when access to the jar is desirable. Such an air
50 tight cover not only excludes light and prevents its actinic effect upon the fruit but it prevents the radiation and conduction of heat

from the jar by its non-conducting quality and by the effect of the dead space inclosed between it and the jar. This is important
55 since extreme cold is liable to crack and impair the sealing material employed in closing the jar and extreme heat is liable to expand or soften it and such heat stimulates any latent tendency to ferment which may exist in
60 the contents of the jar.

To provide for the easy introduction of the jars into the protectors it is preferred if only a single cap is used to apply it at the bottom of said protector. In such case the contracted
65 end of the jar is pushed into the protector and when fully entered the jar is inclosed in an air tight manner by applying the cap to the bottom of the protector and covering the joint with an adhesive or with an adherent
70 strip. To further facilitate the operation I provide in the interior of the paper receptacle compressible or elastic ribs 5 such as would be formed by paper crimped or fluted and secured on the inside of the receptacle as indicated. These will readily yield to the pressure
75 of the jar or to any unevennesses on its exterior and will permit its introduction or removal and will also insure a considerable dead air space between the jar and its protector. This tends to prevent loss of heat
80 and also forms a cushion for the glass jar that will protect it against external blows and allow the jars to be more freely handled in transportation. It is not essential that these
85 compressible ribs, flutes or crimps run longitudinally although that is the preferable construction; neither is it necessary that they cover the whole interior of the protector, nor that they be made of paper, nor that they be
90 permanently fixed. As both the jars and the protectors will in practice vary in size, and as those of the same nominal size vary, in external diameter and as the same article will vary at different points owing to the practical difficulty of securing exact dimensions, I further facilitate the introduction of the jars
95 into their protecting covers by providing an opening or slit 6 in one side of the latter which after the jar has been inserted in the protector is closed and then covered with an adhesive strip 7 preferably a label. Such
100 strip may be affixed to the protector at one side of the slit and provided with an adhe-

sive surface near its free edge ready for closing the opening or slit after the jar has been introduced into the cover and the cap may be provided with a similar adhesive strip to close its joint in an air tight manner. The blanks for such covers will be bent into curved form and provided with strips and can be transported and stored in this condition several blanks being placed one within another to economize space. No angular bending of the blank or strip which would be liable to break or tear the same is required, and the adhesive strip is attached to and carried with the blank. This strip is made thin and can easily be torn when necessary to remove the jar contained therein and the cover can be re-used by supplying a new strip.

I am aware that a knock down body of an angular box provided with adherent strips at opposite angles has been used and such construction is not of my invention.

I am aware that a cover for a bottle with interior compressible ribs and a fixed bottom has been proposed and I do not claim such device.

It is characteristic of my improvement that two removable caps are employed which permit the can to be pushed through the cover

on the removal of both caps and further that the covers can be nested together before pasting the thin securing strips and also after use by cutting said strips.

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

The protecting cover having a removable cap at each end and provided with interior compressible ribs and having longitudinal and circumferential joints sealed with thin adhesive strips in an air tight manner in combination with a fruit jar whereby when the circumferential strips are cut both caps can be removed and the cover can be taken off and the jar removed or replaced without destroying the cover and whereby when all the strips are cut the cover can be closely packed for storage or transportation, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

MARY E. CLARK.

Witnesses:

EMMA L. SEYMOUR,
JOSEPH C. MOORE.