

R. B. POLK.
 APPARATUS FOR PROCESSING CANNED GOODS.
 APPLICATION FILED APR. 2, 1908.

904,644.

Patented Nov. 24, 1908.

Fig. 2.

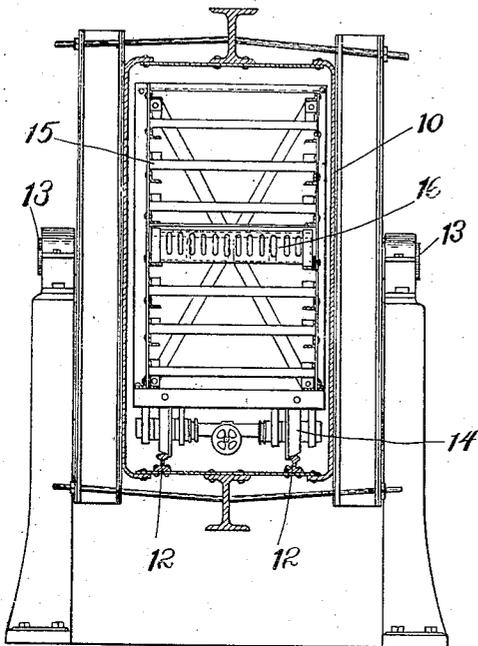


Fig. 3.

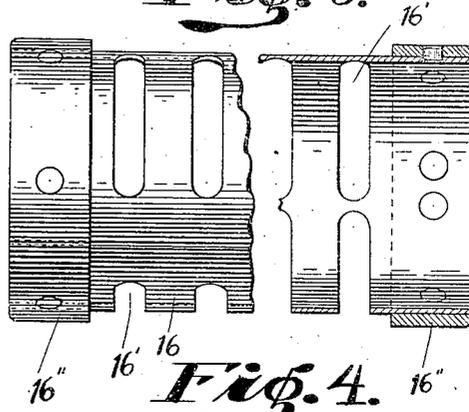


Fig. 4.

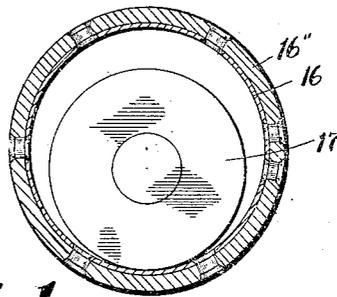
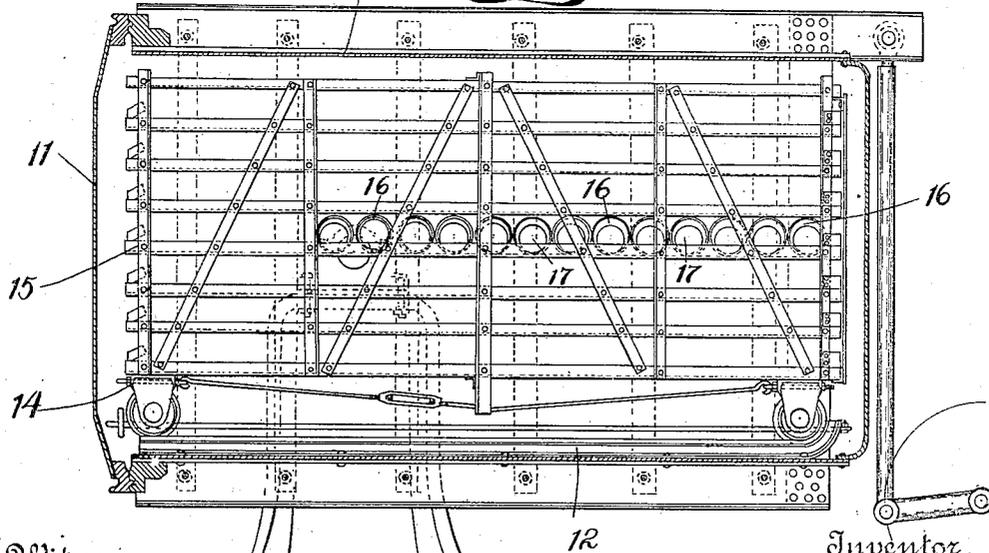


Fig. 1.



Witnesses
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UNITED STATES PATENT OFFICE.

RALPH B. POLK, OF GREENWOOD, INDIANA.

APPARATUS FOR PROCESSING CANNED GOODS.

No. 904,644.

Specification of Letters Patent.

Patented Nov. 24, 1908.

Application filed April 2, 1908. Serial No. 424,745.

To all whom it may concern:

Be it known that I, RALPH B. POLK, a citizen of the United States, residing at Greenwood, in the county of Johnson and State of Indiana, have invented certain new and useful Improvements in Apparatus for Processing Canned Goods, of which the following is a specification.

In the operation of processing packaged goods with apparatus embodying the invention described and claimed in my Patent No. 742,488, which was issued October 27, 1903, difficulty is sometimes experienced by the reason of the fact that the cans become slightly offset on each other so that the blow, resulting from sudden stoppage of the rolling reciprocation, is delivered by the extended flange of the head of one can against the body of the next can immediately under the flange of the head and this blow sometimes results in a breaking of the solder joint between the flange of the head and the main body of the can, and the object of my present invention is to provide means for preventing this injury while at the same time retaining all the advantages of the apparatus described in my aforesaid patent.

The accompanying drawings illustrate my invention: Figure 1 is a longitudinal section of an apparatus embodying my invention; Fig. 2 a transverse section thereof; Fig. 3 a partial axial section and partial side elevation of the holding tube; and Fig. 4 a transverse section of the tube shown in Fig. 3.

In the drawings 10 indicates a retort having a removable door 11 at one end and a pair of tracks 12 in the bottom. The retort 10 is swung upon horizontal pintles 13 by any suitable means. Tracks 12 are adapted to receive a truck 14 comprising a plurality of superimposed tracks or guideways 15, each of which is adapted to receive a plurality of tubes 16 each of said tubes comprising a middle tubular portion having a plurality of openings 16' through its sides and reinforced at each end by rings 16". The internal diameter of the tube 16 is somewhat greater than the external diameter of the cans 17 and its length is sufficient to contain

a number of cans arranged end to end. In practice the tubes 16 are filled with cans and the filled tubes rolled into the tracks 15 in truck 14, only enough of said tubes being inserted in a particular track to leave sufficient room for a complete rotation of the tubes longitudinally along the tracks.

The operation is as follows: When the retort has been closed and steam introduced therein the retort is reciprocated and the tubes 16 thereby given a rolling reciprocation in the tracks, coming suddenly to a stop at each end of the movement, and the cans in the tube being thus given a rolling reciprocation and a sudden jar while being subjected to the heating action of the steam. During this rolling reciprocation of the cans, however, they are entirely protected against injury because the cans of one series cannot come into actual engagement with the cans of another. The tubes 16 being perforated permit a free circulation of the heat around the cans.

I claim as my invention:

1. The combination, with a cooking retort, of a plurality of tubular members rollingly mounted therein, said tubular members being adapted to receive cans therein, whereby the cans may be given a rolling reciprocation without damage.

2. An apparatus for processing packaged goods comprising a plurality of package-receiving tubes, and means for rolling the tubes.

3. An apparatus for processing packaged goods comprising a track, means by which said track may be alternately tilted in opposite directions, and a plurality of package-receiving tubes rollingly mounted in said tracks, for the purpose set forth.

In witness whereof I have hereunto set my hand and seal at Indianapolis, Indiana, this thirteenth day of March, A. D. one thousand nine hundred and eight.

RALPH B. POLK. [L. S.]

Witnesses:

ARTHUR M. HOOD,
THOMAS W. McMEANS.