W. L. BRETHERTON.

PACKAGE.

APPLICATION FILED SEPT. 9, 1910.

1,008,237. Patented Nov. 7, 1911.

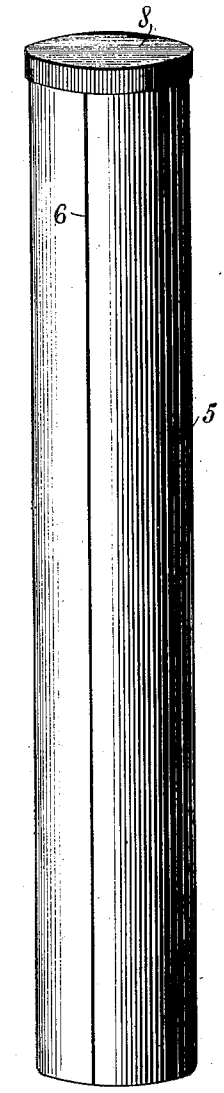

Fig. 1.

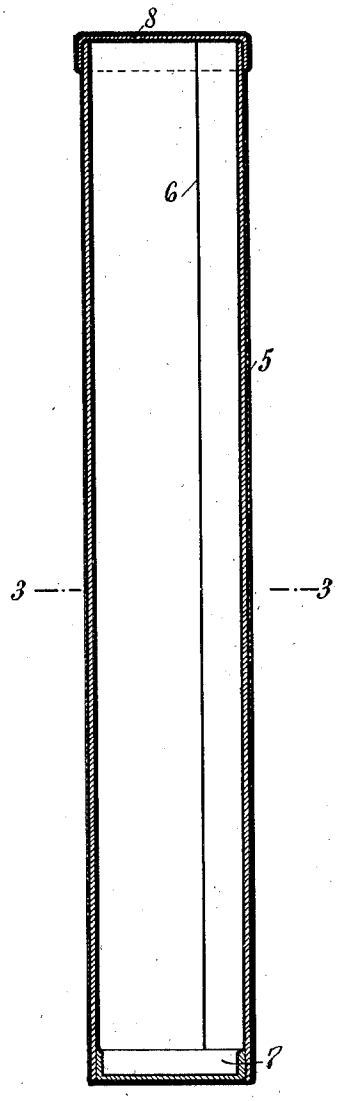

Fig. 2.

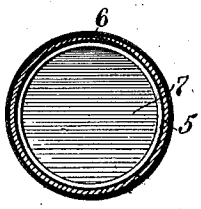

Fig. 3.

WITNESSES:

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PACKAGE.

1,008,237. Specification of Letters Patent. Patented Nov. 7, 1911.

Application filed September 9, 1910. Serial No. 581,164.

To all whom it may concern:

Be it known that I, WALTER L. BRETHERTON, a citizen of the United States, and a resident of Corry, in the county of Erie and State of Pennsylvania, have invented a new and Improved Package, of which the following is a full, clear, and exact description.

The invention is an improvement in containers for the sale and distribution of gun powder or any commercial explosive or combustible such as used for blasting purposes in mines or quarries, or for use in cannon or armaments in general.

The invention has in view a tubular container of this character which is water-proof and which can be inexpensively produced, the tube being constructed of paper or straw-board, or equivalent material, and given a coating of paraffin containing other ingredients of a water-proofing character.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of a tubular container constructed in accordance with my invention; Fig. 2 is a central longitudinal section of the same; and Fig. 3 is a cross-section of the container on the line 3—3 of Fig. 2.

The tube 5, forming the body of the container, is made of paper, straw-board or equivalent material, which is wound in one or more layers into tubular form, the material having a reasonable lap which is fastened together by glue or other suitable adhesive, forming a longitudinally-extending seam 6. The lower end of the tube forming the body of the container is closed by a cap 7, and the upper end by a cap 8, each cap shown to have a marginal flange, which, in the case of the cap closing the bottom of the container, is approximately equal to the internal diameter of the tube and in the case of the top cap to have an internal diameter approximately equal to the external diameter of the tube. In applying the cap 7, forming the bottom or lower head of the tube, on adhesive is internally applied to this end of the containing body, and the cap forced through the tube to place from the upper end. The cap 8, which fits over the outside of the tube, is also secured in place with an adhesion. The container thus loaded and closed is submerged in a mixture of paraffin and other ingredients, which makes the container absolutely impervious to moisture and water.

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

1. The herein described process of producing a water-proof package which consists in rolling a strip of fabric into tubular form, gluing the over-lapping edges together to form a cylindrical body, applying an adhesive to the interior of one end of said container, and forcing a cap having a flange fitting the wall of said cylinder, from the end opposite to the end having the adhesives to adjacent the end having the adhesive to close said end, filling said container with an explosive mixture, applying a cap having an external flange over the open end, and finally submerging the package with the covers applied in the water-proof material.

2. The herein described process of producing a water-proof package which consists in rolling a strip of fabric into tubular form, gluing the over-lapping edges together to form a cylindrical body, applying an adhesive to the interior of one end of said package, and forcing a cap having a flange fitting the wall of said cylinder, from the end opposite the end having the adhesive to adjacent the end having the adhesive to close said end, filling said receptacle, applying a cap having an external flange over the open end, and finally submerging the package with the covers applied in melted paraffin.

3. The herein described process of producing a package which comprises rolling a strip of fabric into tubular form, gluing the over-lapping edges together to form a cylindrical body, applying an adhesive to the interior of one end of said package, and forc-

ing a cap having a flange fitting the wall of said cylinder through the package to the end having the adhesive, to close said end, placing a substance within said container, and applying a cap having an external flange over the other end to close the same.

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

WALTER L. BRETHERTON.

Witnesses:
ROBT. J. OSBORNE,
GEORGE W. PATTERSON.