

No. 736,626.

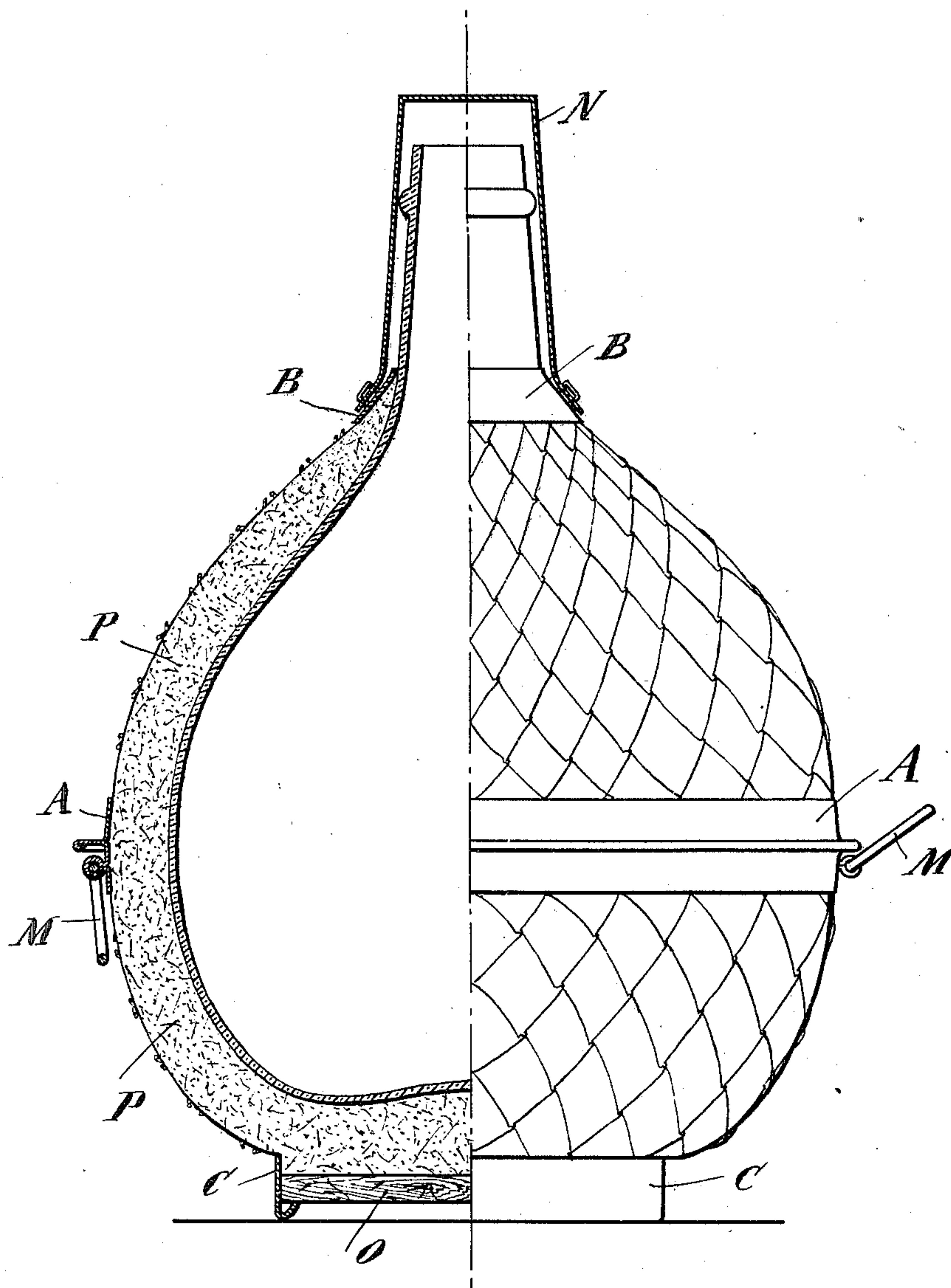
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G. PORTA.

COVERING FOR DEMIJOHNS OR SIMILAR RECEPTACLES.

APPLICATION FILED JAN. 13, 1902.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GIOVANNI PORTA, OF MILAN, ITALY.

COVERING FOR DEMIJOHNS OR SIMILAR RECEPTACLES.

SPECIFICATION forming part of Letters Patent No. 736,626, dated August 18, 1903.

Application filed January 13, 1902. Serial No. 89,567. (No model.)

To all whom it may concern:

Be it known that I, GIOVANNI PORTA, accountant, a subject of the King of Italy, residing at 61 Via Savona, Milan, Italy, have
 5 invented certain new and useful Improvements in Coverings for Demijohns or Similar Receptacles; 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 appertains to
 10 make and use the same.

The object of the present invention is a system of envelop or packing cover for fragile receptacles, especially carboys, demijohns, large jars, bottles, and glass barrels, such covering protecting them so effectually
 15 as if they were surrounded by an iron girth.

The covering in question consists of a metallic network or trellis applied to the receptacle to be protected, with the interposition
 20 of a soft elastic layer with or without hoops, so that the result is a light packing not bulky, but neat, and at the same time endowed with great solidity and durability, elastic, and resisting shocks, some strips of it being specially
 25 strong, so as to secure protection of the glass from any concussions to which such receptacles are liable during transport.

The metallic network will be made in a general way with ordinary machine-made wire-netting, such as is found in commerce. The flat netting will be reduced and adapted to the form (nearly oval, conical, hemispherical, &c.) of the receptacle by stretching, taking
 30 advantage of the property of the netting itself, which allows of its being stretched properly, modifying in various ways the single meshes, so as to increase or diminish in any degree or direction required the superficial development of the netting itself until it is made to
 35 adhere perfectly to the shape of the receptacle. This new and special use for the said flat machine-made metallic netting is extremely advantageous and cheap. As is shown
 40 on the drawing, the network is applied under a strong tension, so that the soft elastic under-

lying layer is pressed against the glass, whereby it acquires considerable elasticity, and at the same time the different parts of the packing, and especially the bottom, stick fast to
 50 each other. Besides that, the packing turns out perfectly adherent to the receptacle and takes the exact shape of the latter, so as to give to the whole a very neat and pleasant appearance.

The underlying layer of soft and elastic matter will in general be formed of twisted or tressed straw; but the employment of any other convenient material adapted thereto is
 60 not to be excluded. Its thickness will be regulated according to the requirements in any special case.

The hoops, if any, will usually be of metal, mostly of iron; but they may also be of any
 65 other material.

The hereto-annexed drawing is an elevation, partly in section, of a demijohn provided with my improved envelop, which I call an "iron girth." Three hoops are shown
 70 in this special case—namely, a central one A, to which are attached the handles M for transport, an upper one B, on which is fixed the cap N for stopping and protecting the neck of the demijohn, and a lower one C, which
 75 holds in its place the bottom O, of wood, sheet-iron, or other material. On the left side of the layer, which is a section, the soft stratum P is to be seen, while in the elevation on the right the network is visible.

This system of covering may also be applied
 80 partially, and so, for instance, for carboys, demijohns, jars, bottles, &c., intended for local use, for the transport of acids, &c., the covering may in this case be restricted to the lower part only as far as the middle hoop A
 85 or otherwise, as the case may require.

Having now fully described my invention, what I claim, and desire to protect by Letters Patent, is—

1. In combination with a demijohn or the
 90 like, a layer of straw encircling the same, a wire-netting encircling the straw and a series

of hoops placed at intervals around the wire-netting for holding said netting and straw to the demijohn.

2. In combination with a demijohn or the
5 like, a layer of straw encircling the same, a wire-netting encircling the straw, hoops encircling the demijohn, outside the wire-netting, at the top and bottom thereof, and a

hoop encircling the middle portion of said demijohn. 10

In witness whereof I have hereunto set my hand in presence of two witnesses.

GIOVANNI PORTA.

Witnesses:

VIRGINIS CARNEVALI,
MICHELE DE DRAGO.