

No. 666,139.

Patented Jan. 15, 1901

R. HAY.
SEALING CAP FOR VESSELS.
(Application filed Mar. 8, 1900.)

(No Model.)

Fig. 1.

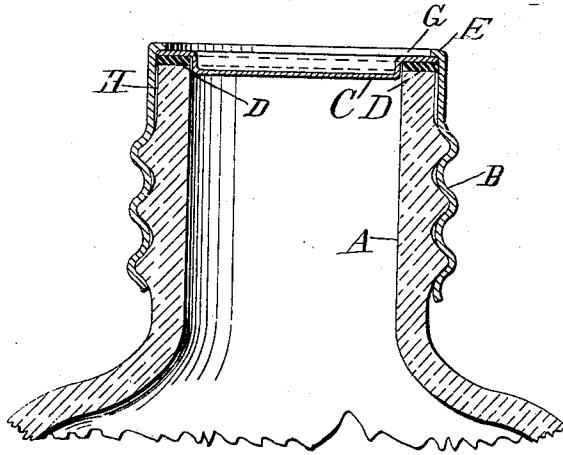
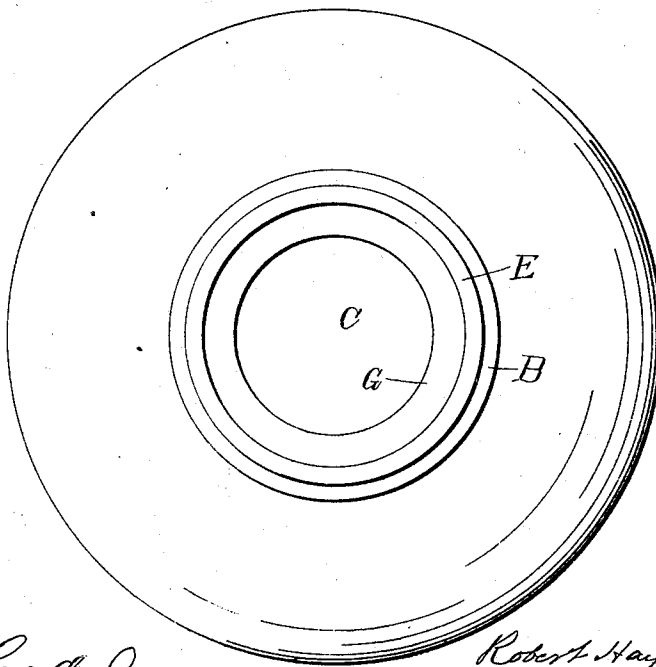


Fig. 2.



WITNESSES

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SEALING-CAP FOR VESSELS.

SPECIFICATION forming part of Letters Patent No. 666,139, dated January 15, 1901.

Application filed March 8, 1900. Serial No. 7,835. (No model.)

To all whom it may concern:

Be it known that I, ROBERT HAY, a citizen of the United States, and a resident of Summit, in the county of Union and State of New Jersey, have invented a certain new and useful Sealing-Cap for Vessels, of which the following is a specification.

My invention relates to sealing-caps for vessels, and is designed to secure a perfectly-tight joint between the cap and the walls of the vessel; and to this end my invention consists in certain elements and combinations fully set out and claimed in this specification.

In order that persons skilled in the art to which my invention appertains may understand, construct, and use my invention, I will proceed to describe it, referring to the drawings herewith, in which—

Figure 1 is a vertical central section, and Fig. 2 is a top or plan view.

A indicates the walls of the vessel-neck, in this case provided with screw-thread, as usual.

B is the barrel of the closing-cap, provided with screw-thread to match the thread upon the outside of the walls of the vessel-neck A.

C is a disk, of thin metal or its equivalent, having yielding properties as well as suitable rigidity. It is preferably depressed or dished near its central portion to about fit the interior diameter of the vessel-mouth and has at its outer edges flange G, resting over the top of the walls A, and an annular packing D is secured under said flange and adapted to rest on the top of walls A.

E is a narrow flange turned inward from the top of barrel B and takes onto the outer edge of the flange G on disk C, so that when the barrel B is secured down hard the flange

E grasps the flange G and compresses it upon the packing D underneath, located between said flange and the top of the vessel-neck, and as the flanges G are thin and yielding the packing D is forced outward and into the space H between the vessel-neck and the interior of the barrel B, inasmuch as the packing cannot be thrown inwardly centrally on account of the depressed walls of the disk C, and thus a hermetically-sealed joint upon the top of walls A and on the outer surface of the said walls is secured.

Having now fully described my invention and the manner in which I have embodied it, what I claim as new and as my invention, and desire to secure by Letters Patent, is—

In a sealing device for vessels, the combination consisting of the barrel as B, means for securing it upon a vessel and removing it therefrom, flexible disk as C, and flange as G, adapted to rest upon the walls A, and be centralized over the mouth of the vessel, packing as D, adapted to rest upon the top of the walls of the vessel, flange E, adapted to grasp flange G, and by the vertical movement of the barrel B, to compress the packing D, upon said walls and into the space H, between walls A, and barrel B, and to release it therefrom, all constructed and combined to operate substantially as specified.

Signed at New York, in the county of New York and State of New York, this 20th day of February, A. D. 1900.

ROBERT HAY.

Witnesses:

LEON F. WAZETER,
DENIS A. SPELLISSY.