

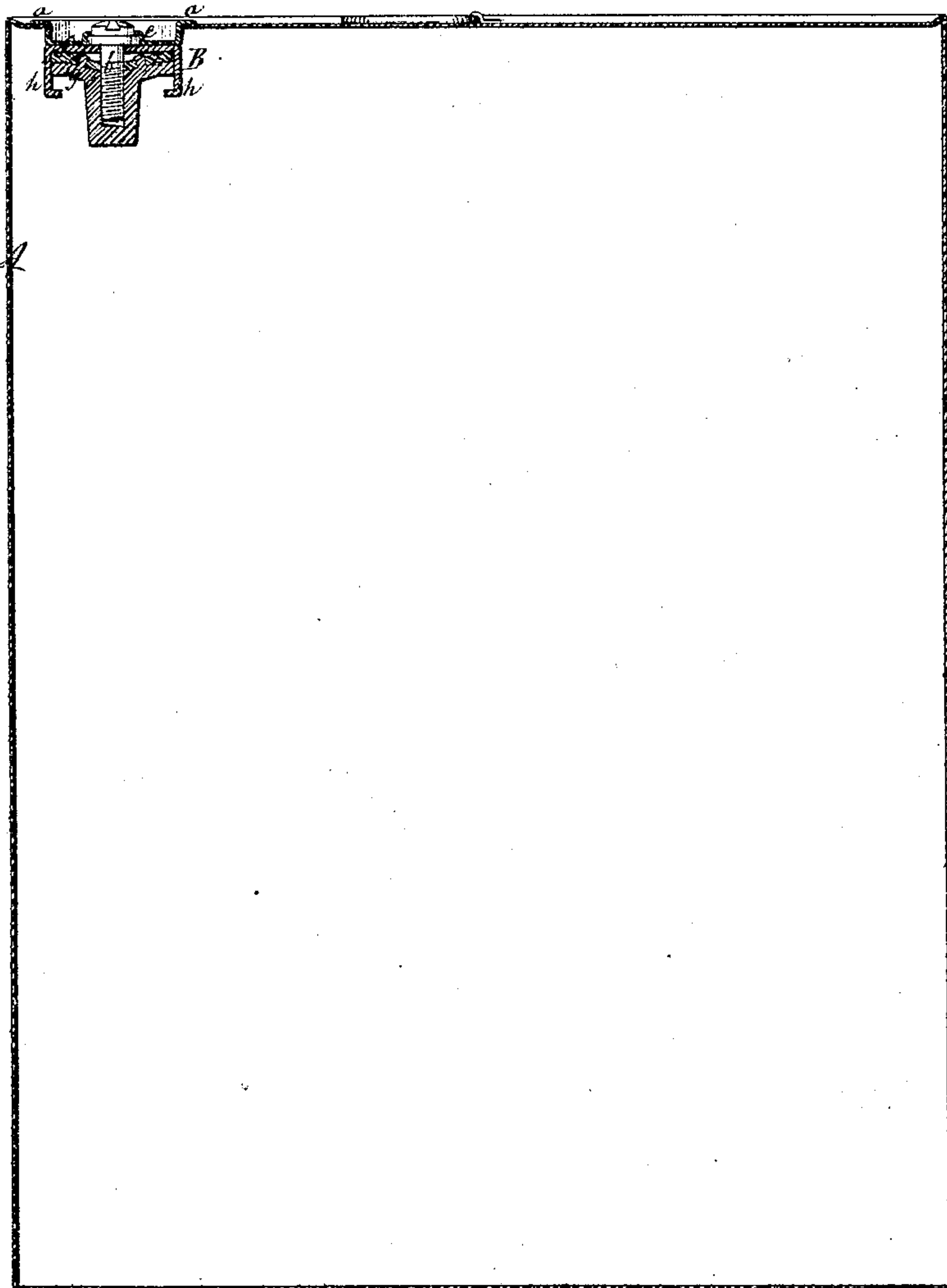
*A. Warth,*

*Faucet.*

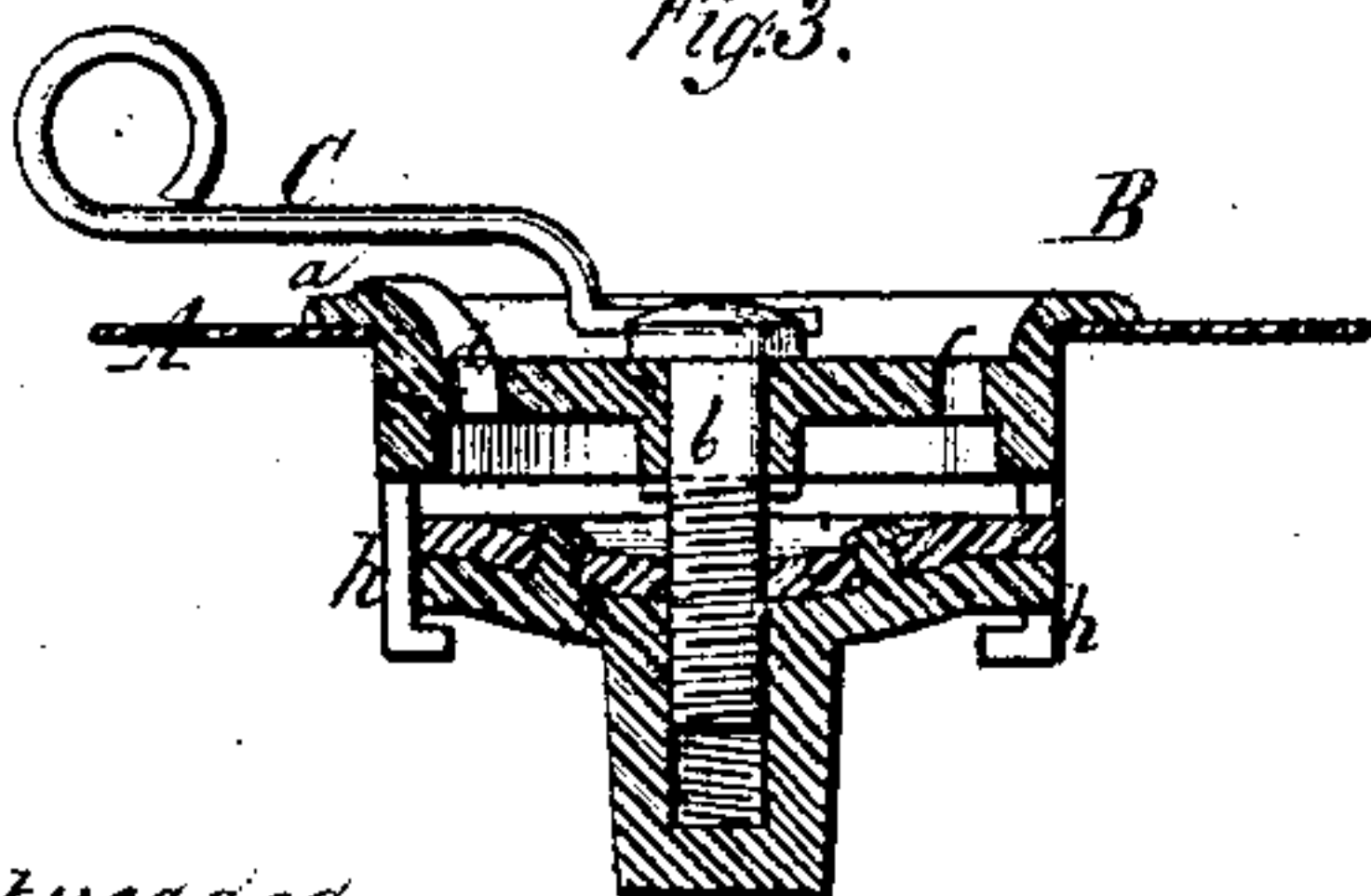
*No. 102,187.*

*Patented Apr. 19. 1870.*

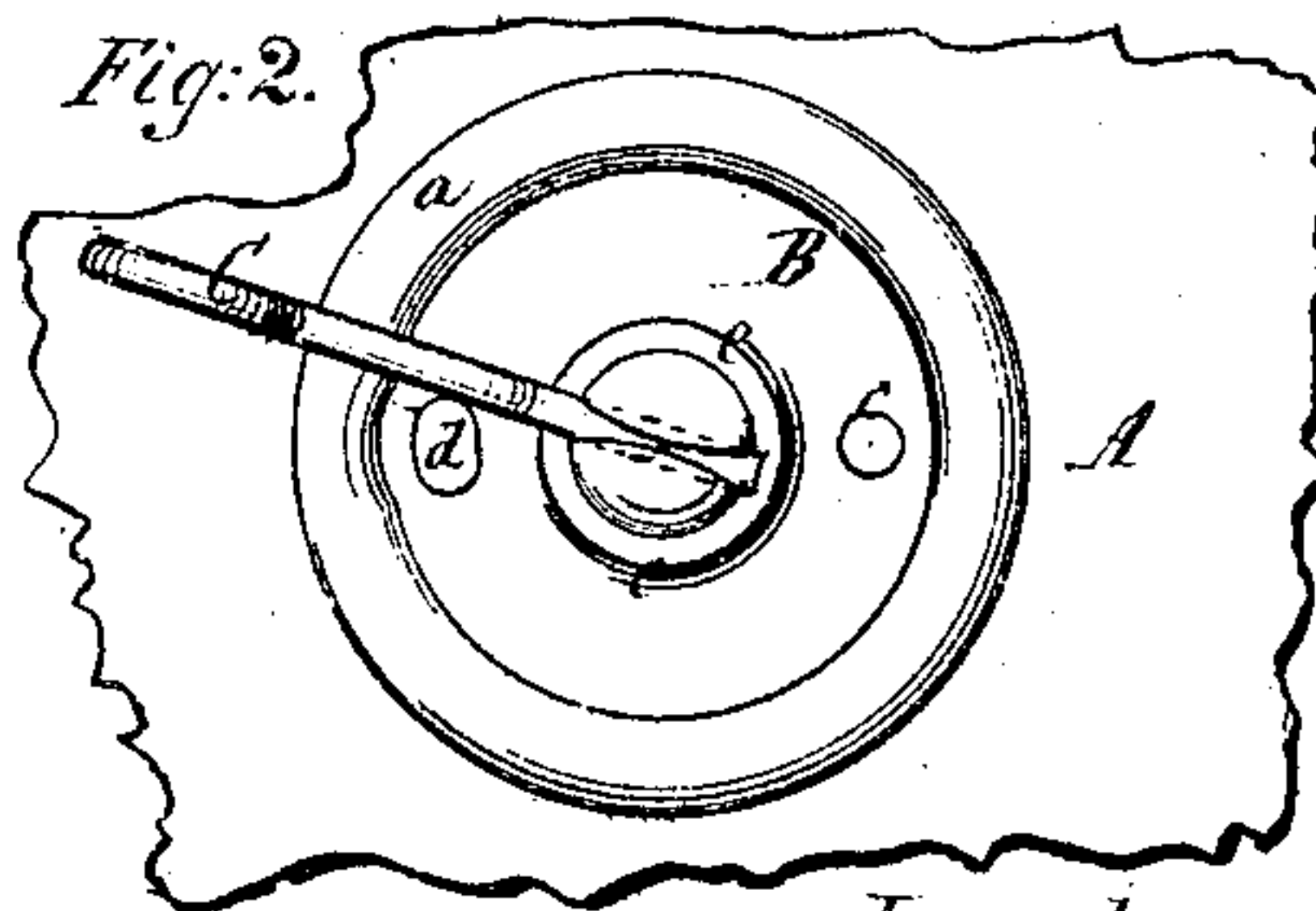
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



*Witnesses.*  
*b. Wählere*  
*E. F. Kastenhuber*

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# United States Patent Office.

ALBIN WARTH, OF STAPLETON, NEW YORK.

Letters Patent No. 102,187, dated April 19, 1870.

## IMPROVEMENT IN STOP-VALVES FOR PETROLEUM PACKAGES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ALBIN WARTH, of Stapleton, in the county of Richmond and State of New York, have invented a new and improved Stop-Valve for Petroleum Packages; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a vertical section of this invention.

Figure 2 is a plan or top view of the same.

Figure 3 is a detached section of a modification of the stop-valve.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of a cup-shaped flanged disk, provided with a vent-hole, with a discharge-opening and with a central hole, and with a flat internal face; said central hole being intended to receive a screw, which is tapped into the solid body of a valve, covered with leather or other suitable packing in such a manner that, by means of its flange, the disk can be readily soldered to the side of a petroleum package or case for carrying petroleum or other liquid, without producing an objectionable projection on said package, and that by turning the screw in or out the valve can be readily opened and closed, the valve being prevented from turning with the screw and from dropping off by hook-shaped arms extending from the inner surface of the cup-shaped disk, and bearing against lugs projecting from the periphery of the valve.

When the valve is opened the contents of the case or package can be readily poured out through the discharge-spout, the vent-hole admitting the external air into said case.

In the drawing—

The letter A represents a case or package made of tinned sheet-iron or any other suitable material, and capable of containing petroleum or other liquids, particularly such as are intended for transportation.

In one side of this case is secured a stop-valve, B, which consists of a cup-shaped disk, provided with a flange, *a*, and perforated with three holes, (see figs. 2 and 3,) one in the center, to receive the screw *b*, and two on the sides, the hole *c* being the vent and the hole *d* the discharge-opening of the case.

The head of the screw *b* is provided with a circular shoulder, to catch under a lip, *e*, projecting from the edge of the central hole in the cup-shaped disk, and to the bottom of said disk is secured a plate, *f*, so that the head is confined in a chamber, and prevented from moving in the direction of the axis of the screw.

The plate *f* is smoothed off on its exposed sur-

face, so that it forms a seat for the valve *g*, and said plate is provided with two hook-shaped arms *h*, which form guides for the valve, and prevent the same from dropping off, and also from turning round, said valve being provided with lugs projecting from its periphery, and bearing against the edges of the arms *h*.

The valve *g* is cast of Babbitt metal or other suitable material, and it is provided with a socket to receive the screw *b*.

The face of the valve is covered with a disk, *i*, of leather or other suitable material, which is retained by studs cast solid with the valve, and riveted over said disk as shown.

The flange *a* is soldered to the side of the case A, the head of the screw being situated in the cavity of the cup-shaped disk, so that no part of the valve projects materially beyond the face of the case.

By turning the screw *b* in the proper direction the valve and the holes *c* and *d* are opened, so that the contents of the case can be poured out through the discharge-opening *d*, the external air having free access to the interior of the case through the vent-hole *c*.

By screwing up the screw *b* the valve is closed, and the case is hermetically sealed.

The nip in the screw *b* is dovetailed to receive a handle, C, of the proper form, for the purpose of operating the same. It (the screw) may, however, be also operated by means of an ordinary screw-driver.

If desired, the cup-shaped disk of the valve, together with the hook-shaped arms *h*, may be produced by casting, and in this case the lip *e* is omitted, and the screw is prevented from moving in the direction of its axis by a pin passing through it under the cup-shaped disk, as shown in fig. 2.

This valve is of particular value for petroleum packages which are transported across the ocean in very large quantities, and which have to be hermetically sealed; and at the same time so constructed that their surfaces have no projecting parts, and that the contents of the package can be readily drawn off.

What I claim as new, and desire to secure by Letters Patent, is—

1. The cup-shaped disk suspended within the package A, receiving the screw *b*, and forming a valve-seat, in combination with the valve *g*, suspended from the screw between guides *h*, substantially as and for the purpose described.

2. The vent-hole *c* and discharge-opening *d*, in the cup-shaped disk, in combination with the central screw and with the valve and the guide-arms, all constructed and operating substantially as described.

ALBIN WARTH.

Witnesses:

W. HAUFF,  
HENRY WARTH.