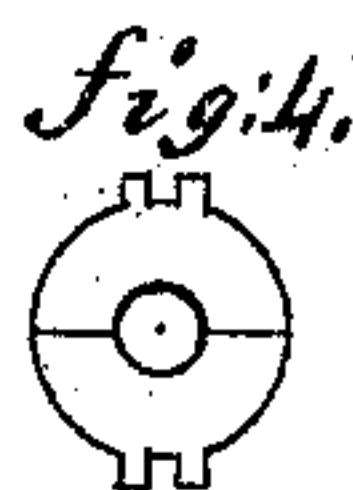
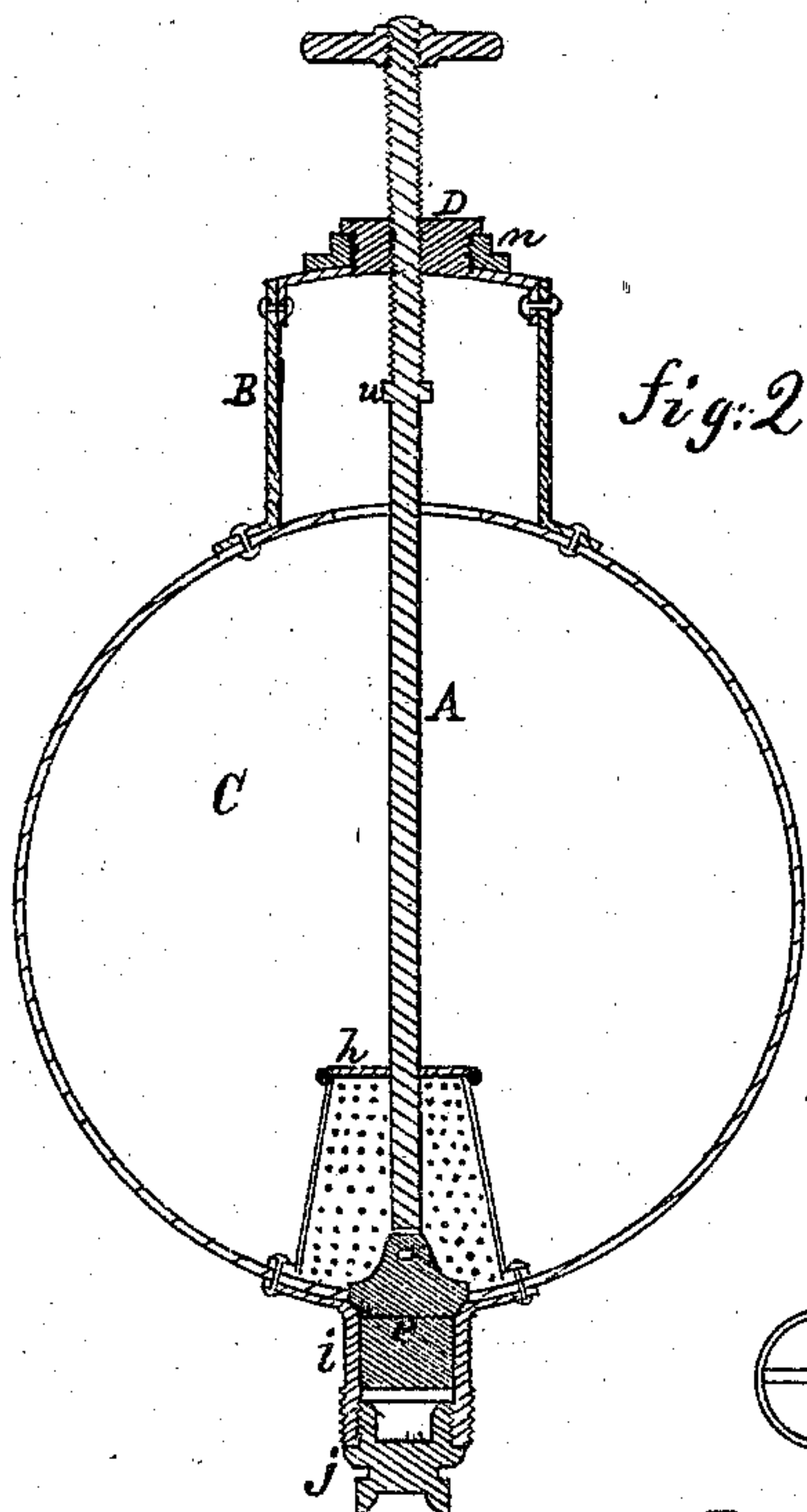
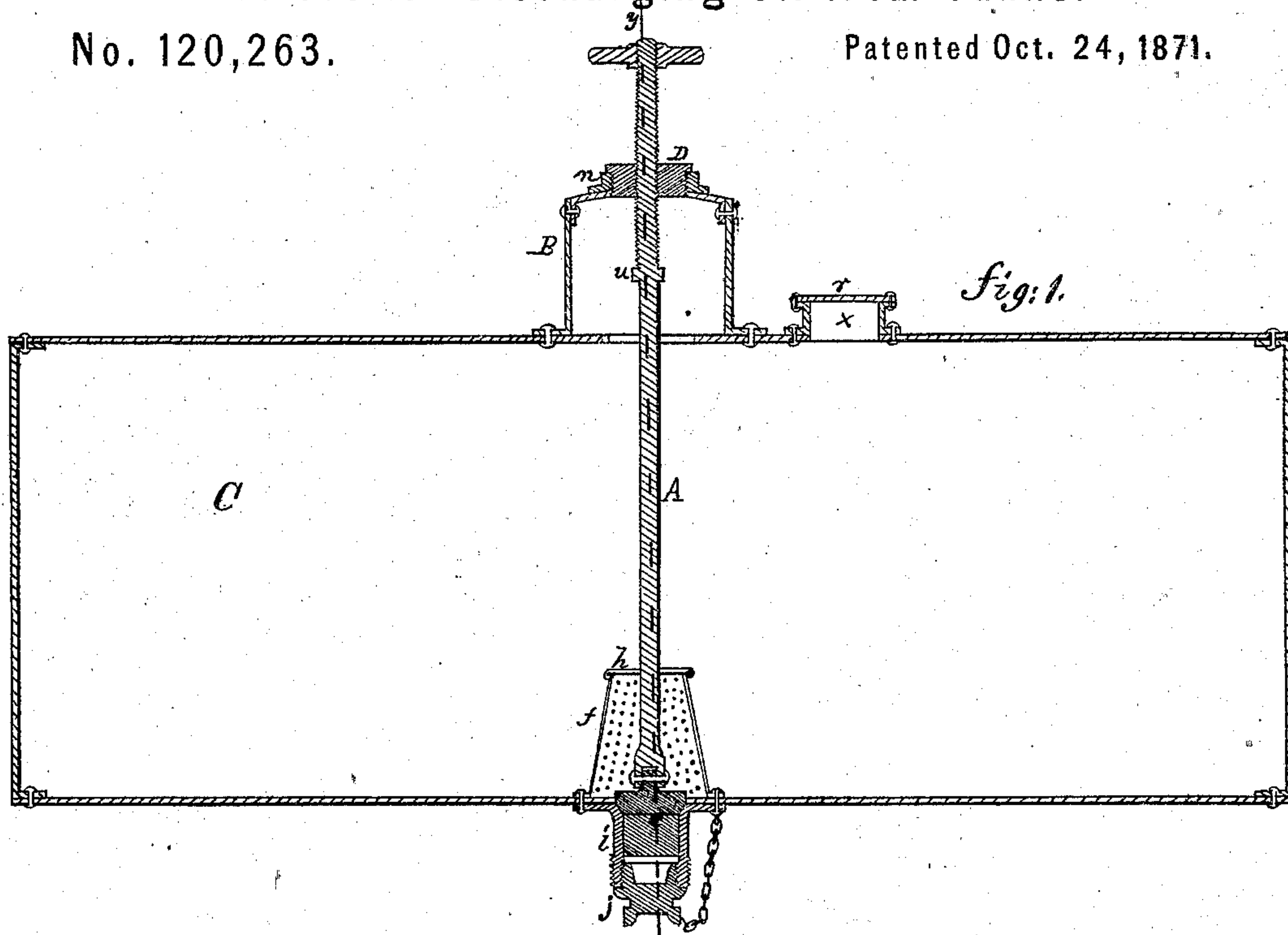


GEORGE W. GLASS.
 Devices for Discharging Oil from Tanks.
 No. 120,263. Patented Oct. 24, 1871.



Witnesses:
 James A. Johnston
 Jas. D. Patten

Inventor
 Geo. W. Glass

UNITED STATES PATENT OFFICE.

GEORGE W. GLASS, OF PITTSBURG, ASSIGNOR TO HIMSELF AND WILLIAM J. BRUNDRED, OF OIL CITY, PENNSYLVANIA.

IMPROVEMENT IN OIL-TANKS.

Specification forming part of Letters Patent No. 120,263, dated October 24, 1871.

To all whom it may concern:

Be it known that I, GEORGE W. GLASS, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Devices for Discharging Oil from Tanks, (the same being an improvement upon the devices for the same purpose for which William J. Brundred received Letters Patent bearing date January 17, 1871, and reissued August 1, 1871;) and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention relates to the combination and arrangement of the devices hereinafter described with an ordinary oil-tank, whereby oil may be discharged from the tank with less danger, labor, and with greater facility.

To enable others skilled in the art to make and use my invention, I will proceed to describe more fully its construction and operation.

In the accompanying drawing, which forms part of my specification, Figure 1 is a vertical and longitudinal section of an oil-tank provided with my devices for discharging oil from tanks. Fig. 2 is a vertical section of the same at line *y* of Fig. 1. Fig. 3 is a bottom view of the valve *e*. Fig. 4 is a top view of the hinged cap *h*.

In the accompanying drawing, A represents a valve-stem passing down through the dome B to the bottom of a cylindrical and horizontal oil-tank, C, which tank is of ordinary construction and of the form now commonly used for transporting oil. Tank C is provided with a man-hole, X, covered by a cap, *r*. The upper portion of the stem A is provided with screw-threads, which are fitted to screw-threads in the nut D, the exterior of which is furnished with screw-threads

which screw into the ring *n* secured on the top of the dome B. The stem A is provided with a collar, *u*, which is used for controlling the upward travel of the valve *e*. To the lower side of the tank C is secured a tubular casting, *i*, the opening of which is concentric to the opening of the ring *n* on the top of the dome B. The casting *i* is provided with a screw-plug, *j*. The lower end of the stem A and upper end of the valve *e* is surrounded with a screen, *f*, which is provided with a hinged cap, *h*, divided into two parts, so that in removing the valve *e* from the tank they will be raised and thrown back by the top of the valve striking against the under side of the cap. By surrounding the valve *e* with the screen *f* the valve will never become inoperative by chips, bungs, &c., getting between the valve and its seat, and by passing the stem A down through the dome B the joints around and about the upper end or portion of the stem will never leak. In all other respects my devices operate as, and have the same advantages as, the devices described in the patent of William J. Brundred hereinbefore named, and to which reference is made.

What I claim as of my invention is—

1. The valve-stem A passing down through the dome B of the tank C, substantially as herein described, and for the purpose set forth.

2. The detached nut D, in combination with the valve *e* and its stem A, substantially as described.

3. The screw *f*, provided with cap *h*, and used in combination with valve *e*, substantially as herein described, and for the purpose set forth.

GEO. W. GLASS.

Witnesses:

A. C. JOHNSTON,
JAMES J. JOHNSTON.

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