

J. H. BROWN.
Oil-Cans.

No. 150,819.

Patented May 12, 1874.

fig. 1.

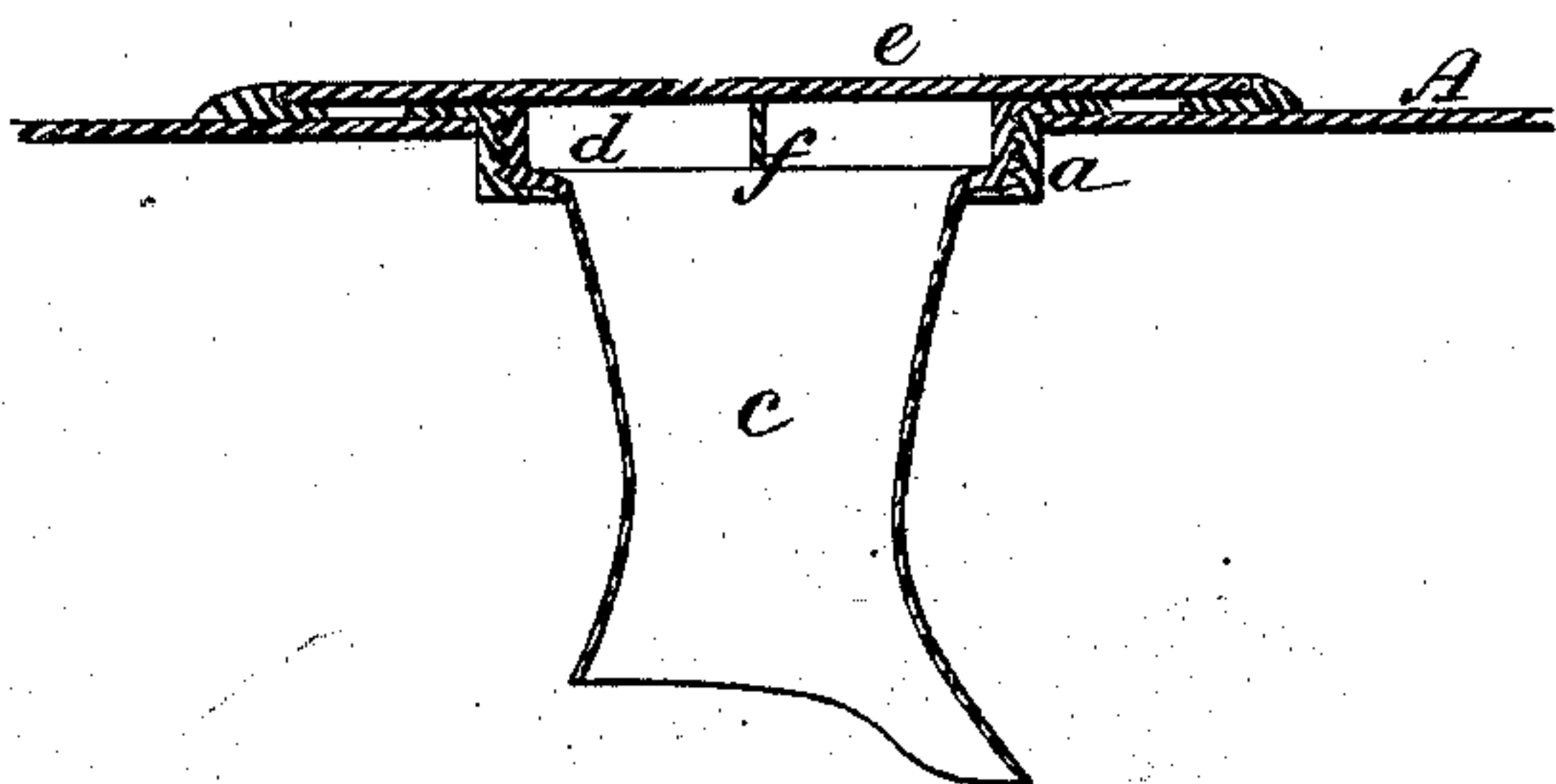


fig. 2.

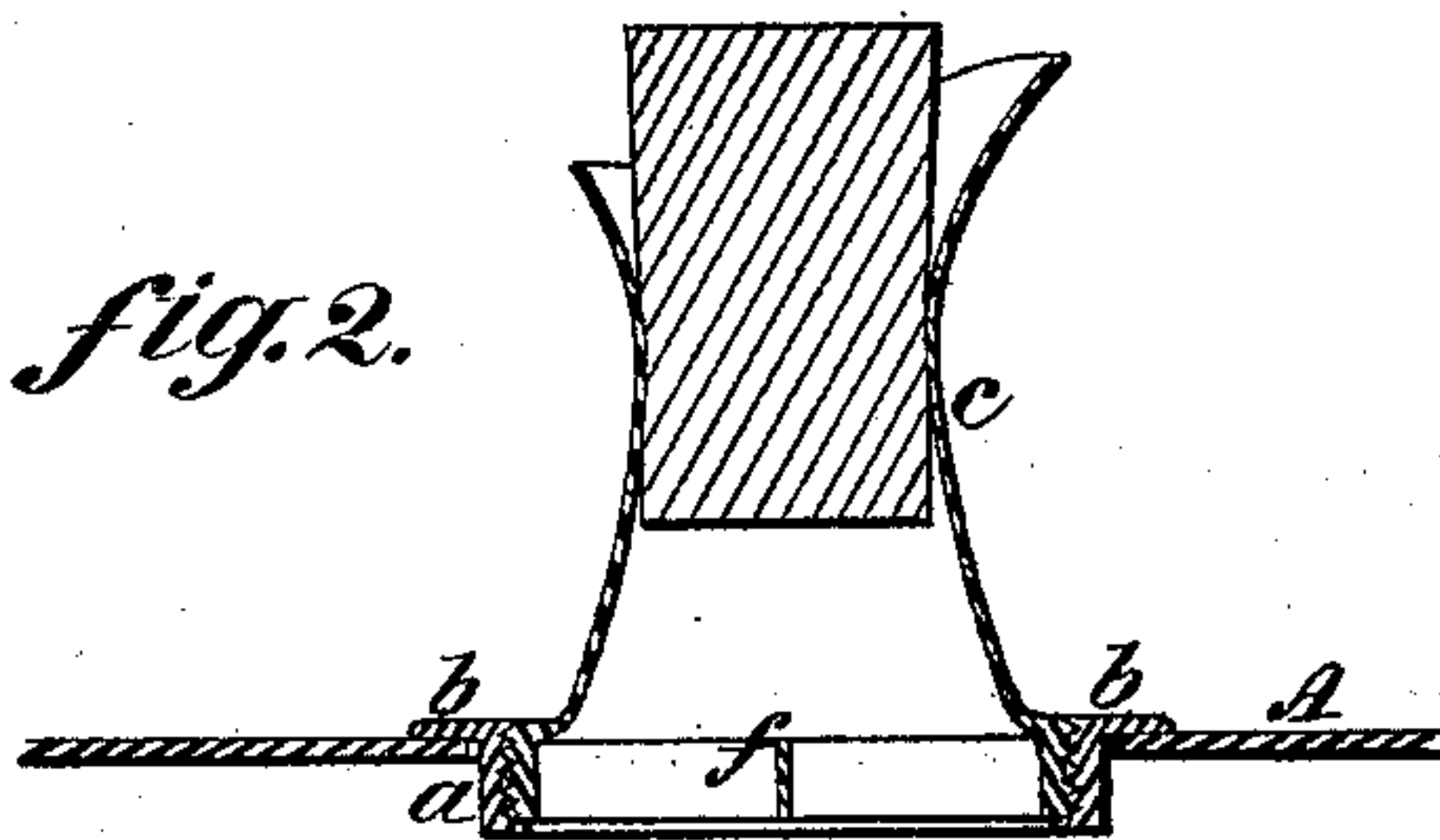


fig. 3.

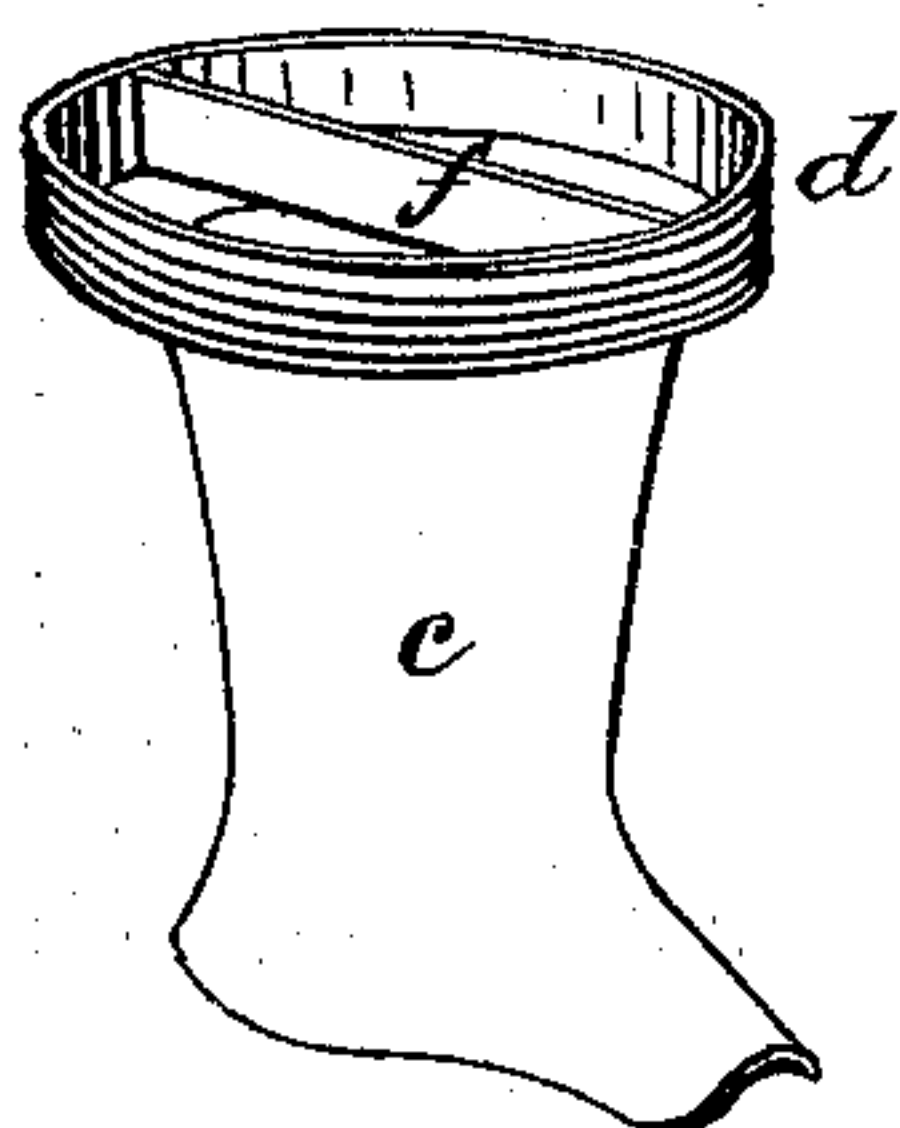
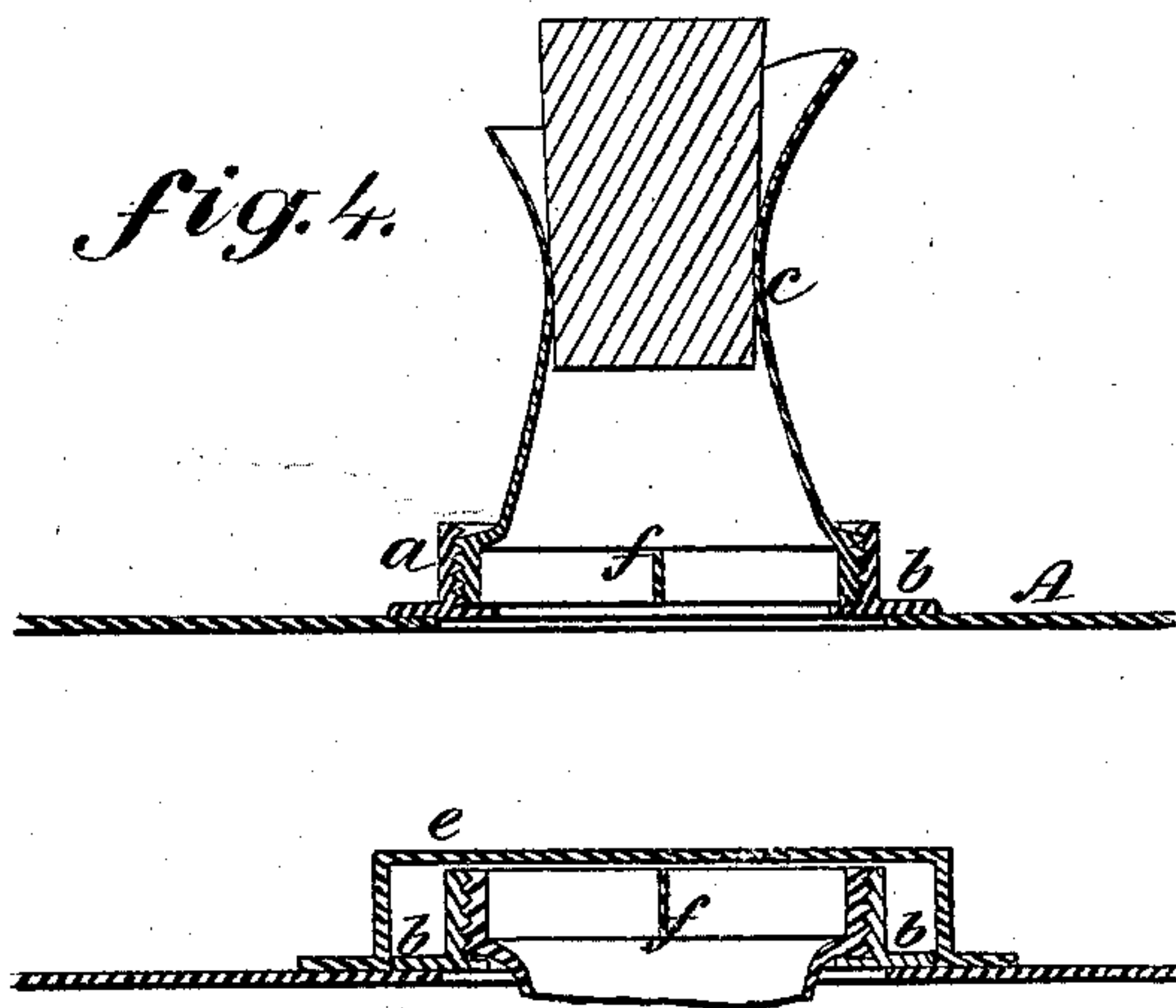


fig. 4.



Witnesses:
T. C. Smith
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UNITED STATES PATENT OFFICE.

JOHN HAMILTON BROWN, OF NEW YORK, N. Y., ASSIGNOR TO ROBERT
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IMPROVEMENT IN OIL-CANS.

Specification forming part of Letters Patent No. 150,819, dated May 12, 1874; application filed
April 21, 1874.

CASE B.

To all whom it may concern:

Be it known that I, JOHN HAMILTON BROWN, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Oil-Can Caps and Nozzles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The invention embraced in this patent consists in the combination of a reversible screw-nozzle, projecting wholly within the can, with a sealing-plate, soldered in position over the nozzle, to seal the same for transportation of the can, and by the removal of said sealing-plate allow access to the nozzle to withdraw it from the can, and screw it in reversed position within the can-collar for the use of the consumer, the object and advantage of the invention being to obtain a nozzle with the can which shall be secured for use within the top opening, but entirely concealed by a sealing-plate, flush, or nearly so, with the can-top, so that neither cap nor nozzle can be removed from the can in transit for sale, and yet allow both to be removed by the consumer, the device being simple, easily applied, and effective in securing the contents of the can.

In the accompanying drawings, Figure 1 represents a vertical section of a portion of a can with the nozzle sealed in place for transportation; Fig. 2, a similar section with the sealing-cap removed, and the nozzle in place to pour out the contents; and Fig. 3, a view in perspective of the reversible screw-nozzle.

Within the opening in the top of the can A a screw-collar, *a*, is secured by a rim, *b*, by which to solder it fast.

This collar may project above or within the top; when the former, it only stands up about a quarter of an inch.

A reversible separate nozzle, *c*, is screwed into the collar *a*, so that the spout is entirely within the can, and the screw end *d* flush with the screw-collar *a*, in which position it is a fixture of the can for shipment. It, however, performs no function of sealing the can; but this is effected, when the can is filled, by a separate cap-plate, *e*, soldered onto the top A, over the open nozzle *c*, which hangs by its screw-thread *d* within the liquid.

When the collar *a* is flush with the flat top A, as in Fig. 1, this sealing-cap *e* is a flat plate; but when used with a raised collar, it must fit over it by a raised cap, as in Fig. 4.

To open the can the sealing-plate *e* is cut off, and the nozzle *c* is unscrewed, withdrawn, and reversed, and its screw-threaded end *d* screwed into the fixed collar *a*, to form a spout through which the oil can be poured. When the can is empty, the nozzle can again be screwed down in it out of the way, and for use if desired to refill the can.

The screw end of the nozzle is provided with a thin cross-handle, *f*, by which the spout is screwed into and unscrewed from the collar; and when used to pour out the liquid, this cross-handle makes no obstruction to the spout, as the handle crosses the screw end with the thin edge in line with the spout-opening.

The spout when used may be kept closed by a cork to exclude dust.

In a patent bearing even date herewith, I have described a fixed closed sealing-cap projecting within the can, and capable of being cut off to open the can, and from such sealing-cap a nozzle is made removable or reversible, and both the closed cap and the nozzle are carried within the can for transportation therewith. But in my present invention I employ a removable interior projecting spout, suspended by its screw-thread, in a new combination with an outside sealing-plate.

I claim—

1. In a can for oil and other liquids, the

combination of an open reversible nozzle, *c*, projecting within the can, with an outside sealing and closing plate or cap, *e*, for said nozzle, for transportation.

2. The combination of a removable sealing plate or cap, *e*, with a removable and reversible nozzle, *c*, substantially as described.

In testimony that I claim the foregoing as my own, I have affixed my signature in presence of two witnesses.

JOHN HAMILTON BROWN.

Witnesses:

FRANK CHAPIN,

ROBT. N. ANDERSON.