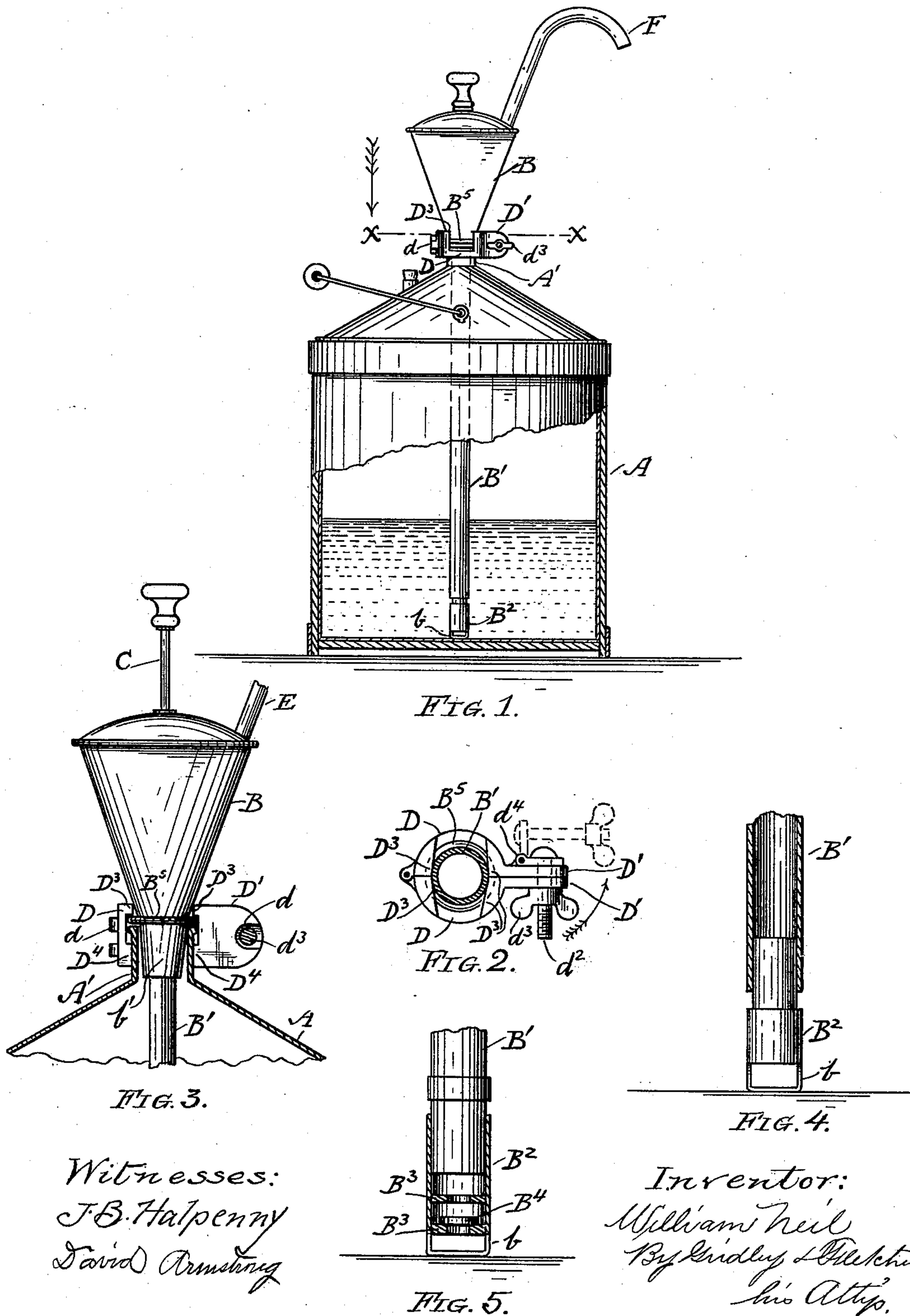


(No Model.)

W. NEIL.
SHIPPING CAN.

No. 362,459.

Patented May 3, 1887.



UNITED STATES PATENT OFFICE.

WILLIAM NEIL, OF CHICAGO, ILLINOIS, ASSIGNOR TO NEIL, KUHN & CO.,
OF SAME PLACE.

SHIPPING-CAN.

SPECIFICATION forming part of Letters Patent No. 362,459, dated May 3, 1887.

Application filed January 20, 1887. Serial No. 224,850. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM NEIL, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful
5 Improvements in Shipping-Cans, of which the following is a description, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side view of a shipping-can, 10 showing my improved pump attached thereto, a portion of said can being in section to show the lower end of the pump-barrel. Fig. 2 is a plan view in detail of a clamp and pump-barrel, taken upon the line *x x*, Fig. 1. Fig. 3 is 15 an enlarged detail view showing the top of the can in section with the pump and clamp attached thereto. Fig. 4 is a view of the lower end of the pump-barrel, which is in section, showing the manner of extending the same to 20 fit cans of varying height; and Fig. 5 is a like view showing said extension in section and applied to the outside of the barrel.

Like letters of reference indicate like parts in the different figures.

25 The object of my invention is to so construct an oil-pump that it may readily be adapted for use in cans of varying size, and to provide suitable means in combination therewith—as, for example, a detachable clamp—whereby the 30 pump may be detachably connected with the nozzle of the can and firmly secured thereto while in use.

I accomplish said object substantially in the manner hereinafter more particularly de- 35 scribed and claimed.

A in the drawings represents an ordinary shipping-can, into the nozzle of which is inserted the barrel B' of an oil-pump, B. Upon the lower end of said barrel is loosely attached 40 an extension, B², so constructed as to telescope with the part B', thus enabling a given portion of the pump to fit within the nozzle A' of the can, as hereinafter described, while the barrel or tube of the pump may be so adjusted as to 45 reach the bottom of the can. The lower end of the tube may be perforated, or a depending loop may be formed thereon, as at *b*, to permit the oil to flow into the tube. Perforated disks or partitions B³ B³, Fig. 5, are 50 placed in the lower end of the extension B², between which is inserted a loose valve, B⁴.

C, Fig. 3, is a piston-rod, to which is attached the usual piston within the pump-barrel, while E is the pump-nozzle, connecting with the body or bulb of the pump. Immediately below or at the base of said bulb I prefer 55 to provide a tapered portion, *b'*, Fig. 3, sufficiently large to substantially fit within the nozzle of a can. Above the tapered part *b'*, I form a projection or bead, B⁵, adapted to be placed 60 near or to rest against the top of the can-nozzle. In lieu of this, one or more lugs or projections may be soldered to the pump; but I prefer the continuous bead.

A detachable clamp, consisting of jaws D D, 65 hinged together at *d* and adapted to fit over the can-nozzle A', is provided for temporarily attaching the can to the pump. Upon said jaws are formed lips D' D', preferably having slots *d'*, Fig. 3, at the ends, into which may be 70 inserted a bolt, *d*², having thereon a thumb-nut, *d*³, by which the jaws of the clamp may be secured firmly together around the nozzle of the can. This arrangement permits the clamp to be readily adjusted to fit can-nozzles 75 of varying size. It is obvious that said lips may be perforated and the bolt passed through the perforation; but I prefer the slots, in that they permit the bolt to be hinged to one of the jaws by means of a suitable hinge, *d*⁴, which 80 allows the clamp to be readily detached and prevents the bolt from being lost. This arrangement permits it to swing out from the slot, as indicated in dotted lines in Fig. 2. Each of said jaws is by preference cut away 85 at the sides, as at D² D², and is provided upon its top and bottom, respectively, with inwardly-projecting flanges D³ D³, the latter of which is shown in Fig. 3, said flanges being adapted to clamp above the bead B⁵ of the pump and be- 90 low the usual bead upon the nozzle of the can, as clearly shown in said last-named figure. The advantages of said combination are that the ordinary shipping-can may be used for domestic and other general purposes, as the pump 95 may be inserted within the can and oil drawn therefrom from time to time until the whole is removed, when the pump may be detached and the can refilled.

Having thus described my invention, what I 100 claim, and desire to secure by Letters Patent, is—

1. The combination, with a can-nozzle having a bead, of a pump having its barrel inserted within the can-nozzle, and an adjustable clamp for attaching the pump to the can-
5 nozzle, substantially as and for the purposes set forth.
2. The combination, with a can-nozzle having a bead, of an oil-pump provided with a lateral projection arranged to stand above the
top of said nozzle, and a clamp provided with 10
inwardly - projecting flanges to engage with
said projection and with the bead upon the
top of the can-nozzle, substantially as and for
the purposes specified.

WILLIAM NEIL.

Witnesses:

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JOSEPH JOHNSON.