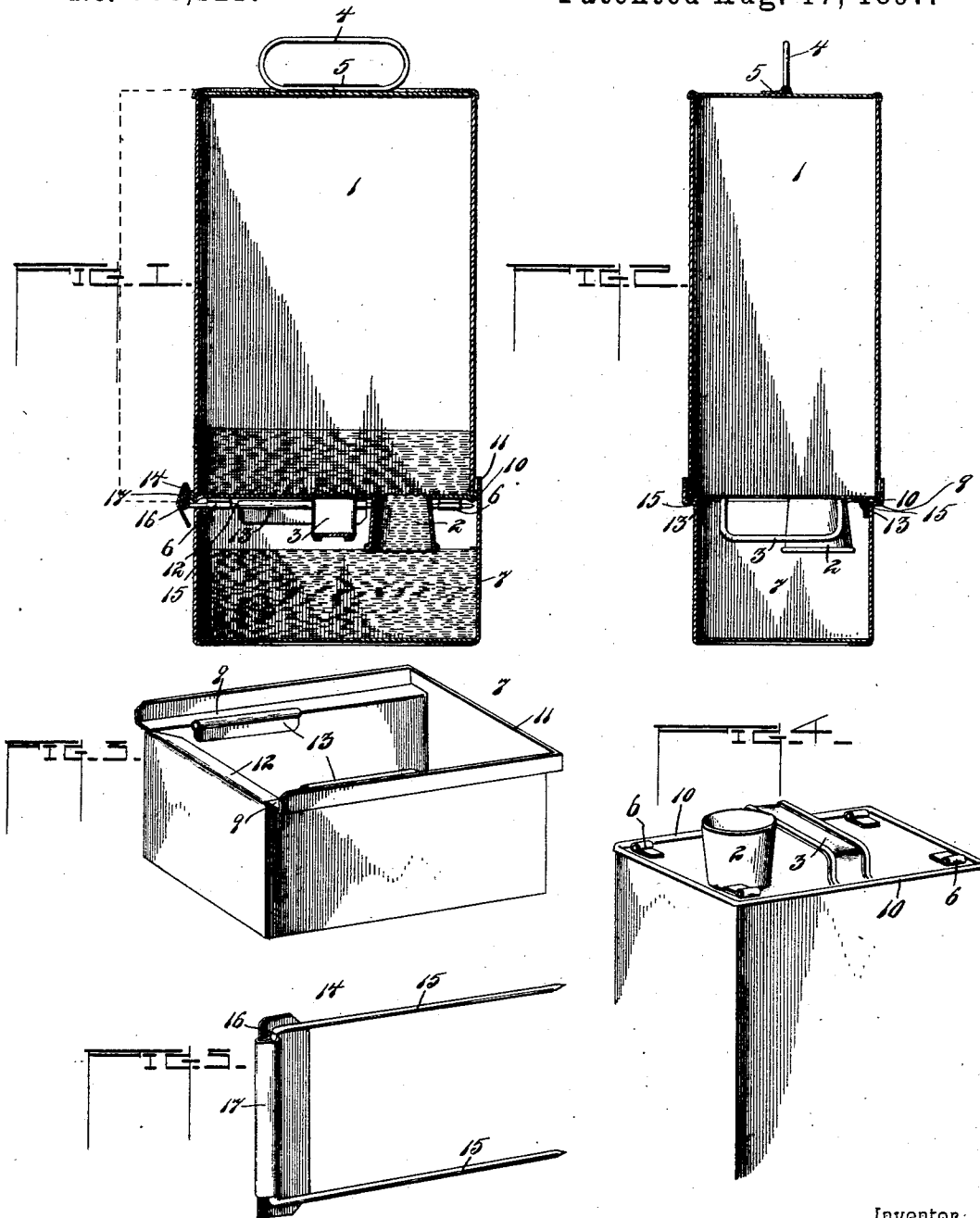


(No Model.)

W. H. BARBER.
VARNISH CAN.

No. 588,121.

Patented Aug. 17, 1897.



Inventor

Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. BARBER, OF ABILENE, KANSAS.

VARNISH-CAN.

SPECIFICATION forming part of Letters Patent No. 588,121, dated August 17, 1897.

Application filed October 28, 1896. Serial No. 610,300. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BARBER, a citizen of the United States, residing at Abilene, in the county of Dickinson and State of Kansas, have invented a new and useful Varnish-Can, of which the following is a specification.

This invention relates to cans for containing varnish, oil, or other liquids, and has for its object to provide, in connection with the can proper, a cup or receptacle attached thereto by a connection which will admit of a relative sliding movement between the can and cup for giving access to the contents of the cup and which will also admit of the cup being entirely detached from the can for the purpose of filling the latter. The can and cup are so combined and arranged that the can acts as an automatic feeder for the cup, and the liquid in the cup is maintained at all times at the same level.

The invention consists in certain novel features and details of construction and arrangement of parts, as hereinafter particularly set forth, illustrated in the drawings, and embodied in the claims.

In the accompanying drawings, Figure 1 is a vertical longitudinal section through the can and the cup attached thereto. Fig. 2 is a vertical transverse section through the same. Fig. 3 is a detail perspective view of the cup or receptacle. Fig. 4 is a similar view of the upper portion of the can when inverted and in readiness to be filled. Fig. 5 is a detail perspective view of the locking slide or device for connecting the can and cup.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

In the drawings, 1 designates an ordinary rectangular can such as is used for containing varnish, oil, &c., the same being provided at one end and near one corner with a projecting nozzle 2 and at the same end with a transversely-disposed bail-shaped handle 3. For the purpose of carrying out the present invention this can is provided at the opposite end with a looped handle 4, constructed for convenience from a piece of wire, the same being fulcrumed in a sleeve 5, secured to the can, whereby said handle is adapted to fold against the end of the can, so that the can

may stand on that end to which the handle 4 is secured.

At the nozzle end of the can and secured adjacent to the four corners thereof are four loops 6, forming a part of the means for attaching a cup or receptacle 7. This cup is also of rectangular shape and approximately corresponds in size to the can in cross-section. The cup is provided along its longitudinal edges with horizontal flanges 9, the outer edges of which are upturned to form guides and retainers for the bottom edge of the can, the horizontal flanges forming rests or ways upon which the surrounding flange 10 on the end of the can slides.

One end wall of the cup is extended upward to the plane of the top edges of the guides, as shown at 11, and thus forms a stop for limiting the sliding movement of the can in one direction. The opposite end of the cup has its top edge turned inward and inclined downward, as shown at 12, and when the cup is detached this inclined edge forms a scraper and normally acts as a guard to prevent oil or varnish from spilling upon tilting the can. The can is also provided along its longitudinal edges with extended loops 13 for the reception of the parallel side portions of a locking-slide 14.

The locking-slide is preferably composed of wire, a piece of which, of a suitable gage, is bent into U shape, as shown, comprising the parallel terminal portions 15 and a connecting end-bar portion 16, upon which is fulcrumed a finger-hold 17, the same being preferably formed from a piece of sheet metal, which is folded to embrace the end bar 16, as shown in Figs. 1 and 5.

After the can has been filled the cup is inverted and placed over the end of the can, and the locking-slide is then placed in position. This is done by inserting the extremities of the parallel portions 15 through the loops 6 farthest from the nozzle 2, and after passing through said loops they enter the loops 13 of the cup, and finally they pass into and through the loops 6 at the nozzle end of the can. When the can and cup are thus connected, one is adapted to slide relatively to the other by reason of considerable space being left between the loops 13 and the loops 6. When the parts are in the position shown

in Fig. 1, this sliding movement is sufficient to enable the brush to be inserted in the cup. After the can has been filled and inverted, as shown in Fig. 1, the liquid in the can will flow into the cup until it reaches a level in the cup coincident with the end of the nozzle 2. At this point the liquid in the can will cease flowing into the cup, because no air can enter through the nozzle to dissipate the vacuum in the can, the latter being otherwise air-tight. As the liquid is used from the can, however, and its level drops below the nozzle air will enter the can through the nozzle and allow more liquid to be discharged into the can. An automatic feed of the liquid is thus obtained and the proper level of the liquid in the cup maintained. By removing the locking-slide the cup may be entirely detached from the can for refilling the latter.

From this description it will be seen that an article of great convenience to workmen is obtained which does away with the necessity of pouring the varnish or other liquid into a separate vessel and thereafter pouring the unused liquid back into the can. Thus labor is saved and work facilitated, and at the same time a can equipped with the attached cup will cost very little more than the ordinary can, *per se*.

It will be understood that changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new is—

1. The combination of a can for holding varnish, &c., and a cup slidingly connected at its open end to the nozzle end of the can to permit transverse movement of the two parts relatively to each other, the nozzle of the can projecting into the cup, and the connected ends of the cup and can being so formed that the open end of the cup may be wholly covered by the end of the can, or partially uncovered when one end is moved

transversely of the other, as and for the purpose described.

2. The combination with a can for holding varnish, &c., the same being provided with loops as described, of a cup slidingly connected to said can and having the nozzle of the can projecting therein, said cup being also provided with loops, and a locking-slide engaging the loops on the can and cup for connecting said parts, substantially as described.

3. The combination with a can for holding varnish, &c., of a cup slidingly connected to the can and having the nozzle of the can projecting therein, flanges on the cup for engaging the can, loops on the can and cup, and a locking-slide removably fitted in said loops and connecting the can and cup, substantially as described.

4. The combination with a can for containing varnish or other liquid, of a cup detachably connected thereto, flanges on one of said parts embracing the other part, loops on both the can and cup at the opposite sides thereof, and a locking-slide having spaced parallel portions entering said loops, and a connecting portion therefor whereby said locking-slide may be removed and replaced, substantially as described.

5. The combination with a can for holding varnish or other liquids, of a cup slidingly connected thereto and having the nozzle of the can projecting therein, loops on the can and cup at opposite sides, a locking-slide comprising spaced parallel portions for engaging said loops and a connecting portion, and a finger-hold mounted on said connecting portion of the locking-slide, substantially as described.

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

WILLIAM H. BARBER.

Witnesses:

T. E. DEWEY,
A. J. YOUNG.