

(No Model.)

E. BROWER & A. M. STILLMAN.
BICYCLE OIL CUP HOLDER.

No. 463,093.

Patented Nov. 10, 1891.

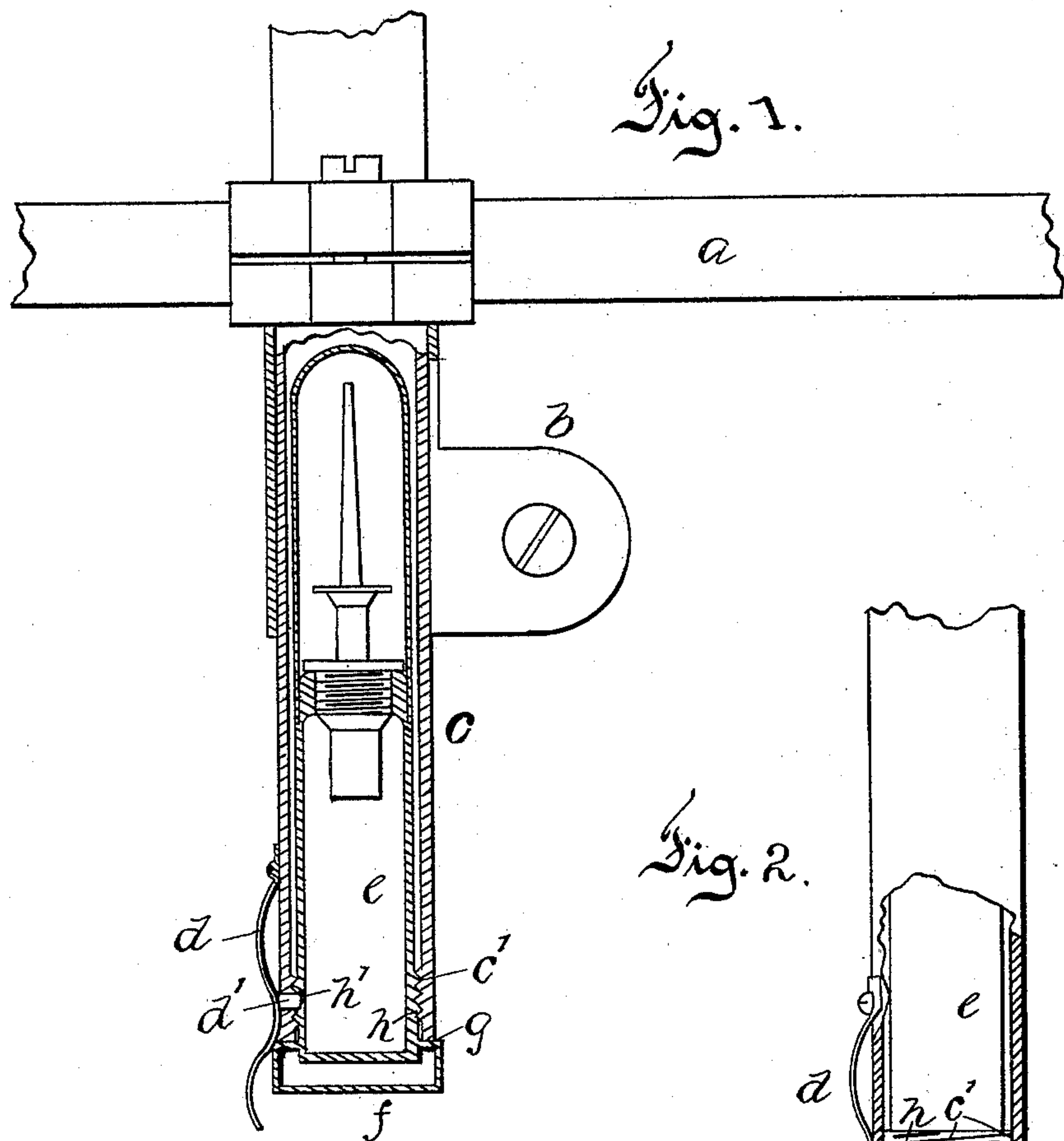
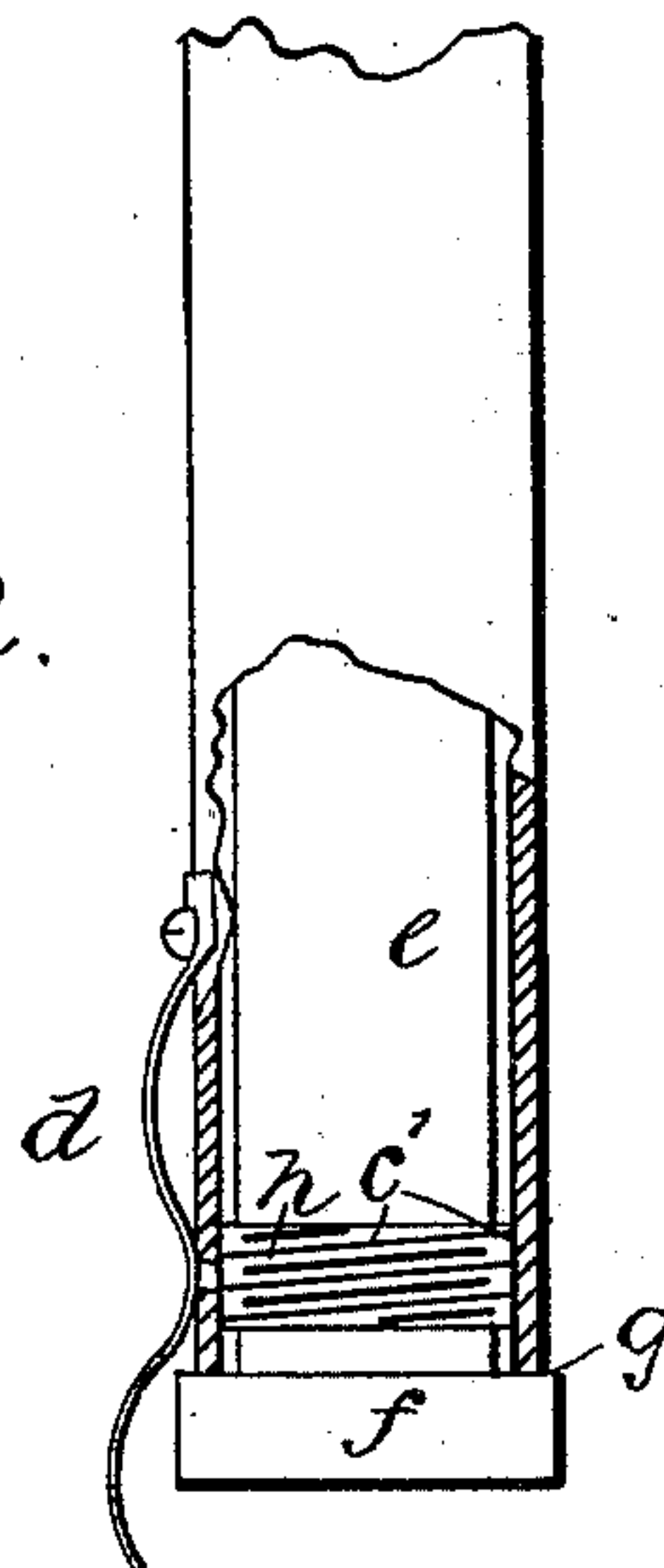


Fig. 2.



Witnesses
H. A. Liddings
A. B. Jenkins.

Inventor
Edwin Brower
Augustus M. Stillman
by Chas. L. Birdett.
Atty.

UNITED STATES PATENT OFFICE.

EDWIN BROWER AND AUGUSTUS M. STILLMAN, OF HARTFORD,
CONNECTICUT.

BICYCLE OIL-CUP HOLDER.

SPECIFICATION forming part of Letters Patent No. 463,093, dated November 10, 1891.

Application filed July 20, 1891. Serial No. 400,128. (No model.)

To all whom it may concern:

Be it known that we, EDWIN BROWER and AUGUSTUS M. STILLMAN, both of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Bicycle Oil-Cup Holders, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

The object of our invention is to provide on a bicycle or like vehicle a safe and convenient place and means for storing an oil-cup.

It has been found by experience that how-
ever tight or close the joints of an oil-cup may be made there will always be more or less leakage from the cup, and if it is put into a tool-bag the result is that in a short time the bag and its contents will be saturated with oil. When a cup is secured in an exposed position on the frame of the machine it is liable to be displaced and lost.

Our invention consists in combining with a hollow seat-post a removable oil-can with means for temporarily securing the can in place in the socket when not in use, and in details of the several parts making up the device as a whole, and in their combination, as more particularly hereinafter described, and pointed out in the claims.

Referring to the drawings, Figure 1 is a side view of a seat-post clamp such as is adapted to be used on a "Columbia" wheel with a hollow portion of the seat-post secured in the clamp. Fig. 2 is a detail view in central section of the seat-post and in side view of the oil-can.

In the accompanying drawings, the letter *a* denotes the frame of a bicycle; *b*, a seat-post clamp, and *c* a seat-post having a tubular end.

In carrying out our invention a thread *c'* is cut on the inner surface of the seat-post, and a spring-latch *d* is secured to the post with a pin or bolt projecting through a hole near the lower end of the seat-post. A tubular oil-can *e* of a well-known form is provided with a base-piece *f*, preferably formed of thin metal, and having a shoulder *g* and a threaded stem *h*. This base-piece is secured to the

lower end of the oil-can and the lower part is milled on the periphery, so as to afford a convenient surface for grasping firmly enough to securely hold the can in securing it in the socket in the hollow end of the tool-post. A bolt-socket *h'* is formed in the side of the base-piece in proper position to receive the pin *d'* when the oil-can is in the socket.

With the several parts fitted with the device, as described, the oil-can is stored by inserting it in the lower end of the seat-post, which is convenient of access and turning it to screw it in place, the spring-catch locking it when the shoulder *g* encounters the lower end of the tube. Held in this way the oil-can is out of the way, is held upright, and cannot leak to the detriment of any surrounding part.

When the oil-can is needed for use a handle on the spring-catch, preferably formed by the projecting lower end, is grasped and the pin lifted out of engagement with the socket *h'* in the base-piece of the oil-can, and by unscrewing the latter it is released from the socket.

We claim as our invention—

1. In combination with the frame of a bicycle, a seat-post secured to said frame and having a tubular lower end, a threaded socket formed within the seat-post, a spring-catch secured to the outer surface of the seat-post, having a pin extending through a hole in the wall of the seat-post, and also a handle for operating the spring-catch to release the oil-can, a removable oil-can having a threaded base-piece shouldered and milled, as described, and a bolt-socket that registers with the opening through the wall of the seat-post, all substantially as described.

2. In combination with a tubular socket having a spring-catch, a removable oil-can adapted to fit the said socket and having a threaded base-piece fitting the thread in the socket, all substantially as described.

EDWIN BROWER.

AUGUSTUS M. STILLMAN.

Witnesses:

CHAS. L. BURDETT,
A. B. JENKINS.