

(No Model.)

B. F. SUTTON.
TUBE REST FOR SYRINGES.

No. 402,285.

Patented Apr. 30, 1889.

Fig. 1

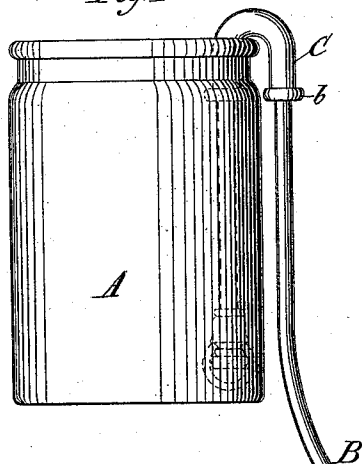
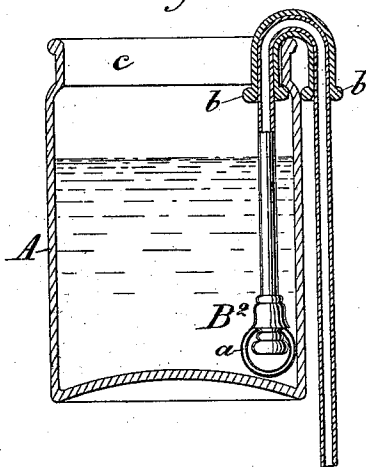


Fig. 2



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UNITED STATES PATENT OFFICE.

BENJAMIN F. SUTTON, OF BROOKLYN, NEW YORK.

TUBE-REST FOR SYRINGES.

SPECIFICATION forming part of Letters Patent No. 402,285, dated April 30, 1889.

Application filed March 13, 1889. Serial No. 303,179. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. SUTTON, of Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Tube-Rests for Syringes, of which the following is a specification.

My improvement relates to so-called "siphon-syringes," in which one end portion of a syringe-tube is inserted in a jar or receptacle for liquid occupying an elevated position, and the liquid then conveyed downwardly through the syringe-tube.

I will describe my improvement in detail, and then point out the novel features in the claim.

In the accompanying drawings, Figure 1 illustrates a jar or receptacle for liquid and a syringe of the siphon type embodying my improvement acting in conjunction therewith. Fig. 2 is a vertical section of the said jar or receptacle, a portion of the syringe-tube, and a rest for the latter.

Similar letters of reference designate corresponding parts in both the figures.

A designates a jar or receptacle.

B designates a syringe-tube, provided near one end with an outlet-nozzle, B', and near its other end with an inlet-port, B². At the inlet end of the tube the same is provided with a ring, a, by which it may be suspended in order to drain the tube. Arranged upon the tube is a clasp, a', by which the flow of liquid through the tube may be suspended or its force modified.

C designates a rest for the tube. This rest is tubular and U-shaped. The syringe-tube B is passed through it. The internal diameter of the rest is such that while the tube may be readily drawn through the rest by

hand the tube will be retained in any position into which it may be adjusted by means of the frictional contact of the tube with the rest. Being made of rubber, the frictional resistance offered by the rest to the tube is increased without impairing its property of elasticity. The rest is made of such a thickness of rubber, however, that it may be hung upon the edge of the jar or receptacle A so that the short leg of the siphon will depend within the jar or receptacle, while its long leg may extend downwardly to any desired distance.

I have shown the ends of the rest as provided with annular rims or rings b, formed integral therewith. The mouth or neck of the jar or receptacle A is formed with an internal flange or rim, c. Whichever end of the rest C is within the jar or receptacle the rim b thereon will engage the internal rim, c, of the jar, and will thereby assist in preventing the accidental removal of the rest from the jar. I do not consider the rims b, however, as wholly essential, and at least one of them may be omitted.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a siphon-syringe, the combination, with a syringe-tube, of a rest therefor adapted to support the same upon a vessel, said rest being made of india-rubber and in the form of a U-shaped tube of such internal diameter that the syringe-tube may be drawn through it, but which will normally maintain the syringe-tube in a position into which it may be adjusted by friction, substantially as specified.

BENJAMIN F. SUTTON.

Witnesses:

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