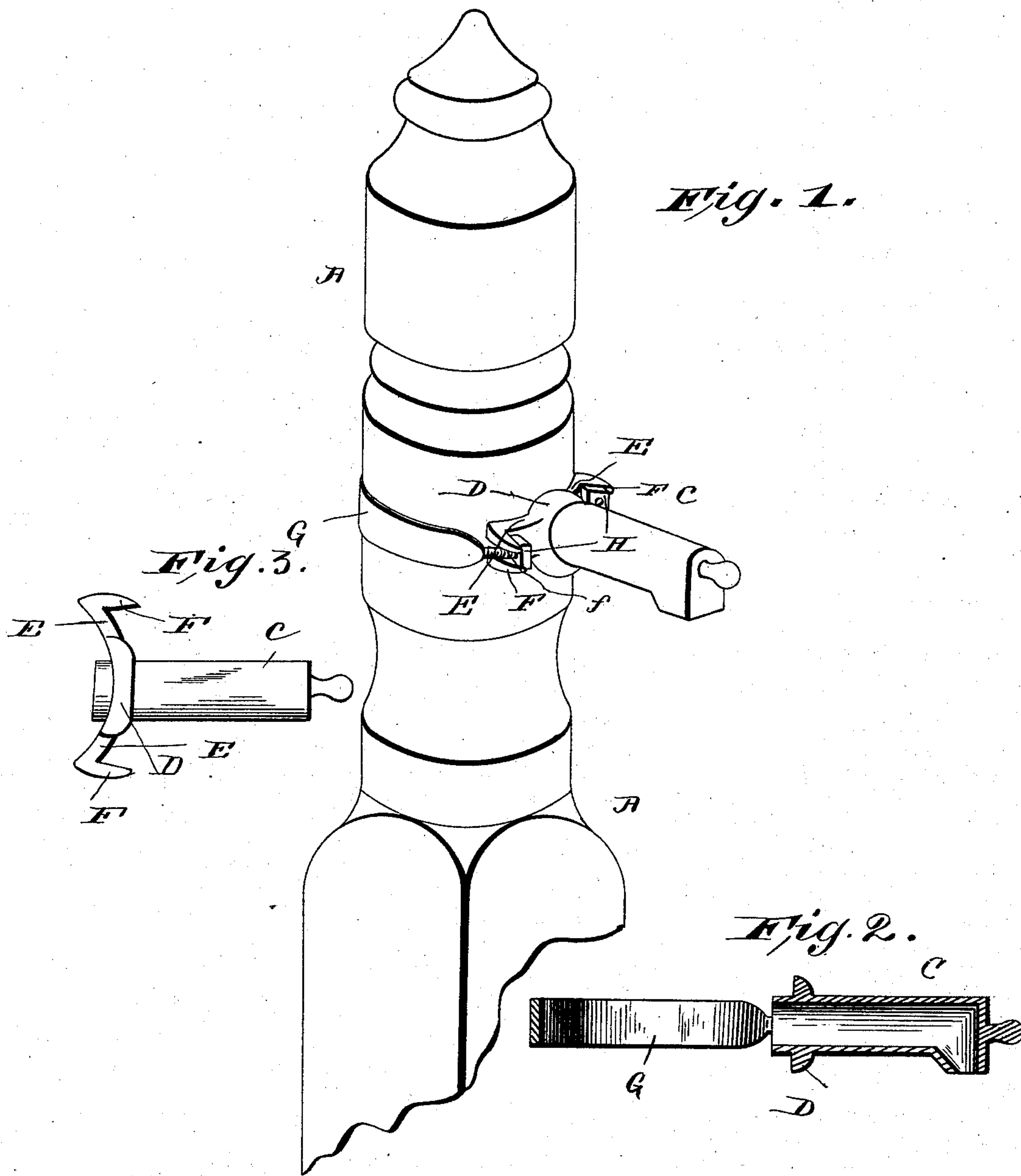


(No Model.)

J. G. TAYLOR.
MEANS FOR SECURING PUMP SPOUTS.

No. 406,794.

Patented July 9, 1889.



Witnesses

Frank A. Ober

C. E. Doyle

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UNITED STATES PATENT OFFICE.

JAMES GOULDING TAYLOR, OF BRASHER FALLS, NEW YORK.

MEANS FOR SECURING PUMP-SPOUTS.

SPECIFICATION forming part of Letters Patent No. 406,794, dated July 9, 1889.

Application filed August 13, 1888. Serial No. 282,609. (No model.)

To all whom it may concern:

Be it known that I, JAMES GOULDING TAYLOR, a citizen of the United States, residing at Brasher Falls, in the county of St. Lawrence and State of New York, have invented new and useful Improvements in Securing Spouts to Wooden Pumps, of which the following is a specification.

The object of this invention is to provide improved means for securing the spout to wooden pumps; and it consists in a certain novel construction and combination of devices, fully set forth hereinafter, in connection with the accompanying drawings, and specifically pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of a pump to which the spout is secured in accordance with my invention. Fig. 2 is a vertical central sectional view of the spout. Fig. 3 is a plan view of same.

Referring by letter to the drawings, A designates the stock of the pump, which is provided in the side with the usual opening, in which is inserted the inner end of the spout C. The spout is provided adjacent to the end with the shoulder D, which bears against the side of the stock around the said openings, and it is also provided with the lateral ears or extensions E E, which bear against the side of the post-stock. The extremities of these ears or extensions are provided with upturned extremities F F, having the slots or apertures f, and G designates a clip which passes around the stock and has its threaded extremities inserted in the slots f f and engaged by the nuts H.

It will be evident that when the nuts are tightened the clip is drawn tightly around the stock, so as to compress it and thereby prevent splitting when the latter becomes dry. At the same time the inner end of the spout is drawn into the opening of the pump-stock and the collar D is drawn up tightly against the outer surface, thus making an absolutely tight joint, which, if in the course of time it should become leaky or defective, may be retightened and restored to its original perfection by simply tightening one or both of the nuts upon the ends of the clip or yoke.

The clip is preferably flattened, as shown

in the drawings, to enable it to cover considerable surface and possess great strength without projecting outward from the surface of the stock sufficiently to be in the way.

Heretofore metallic spouts for wooden pumps have usually been screw-threaded at their inner ends and connected to the pump-stock by simply screwing them into the openings prepared for their reception. After a short period of use they almost invariably become loosened, partly on account of the strain to which they are subjected by hanging pails and buckets thereon while being filled, partly owing to the shrinkage of the wooden pump-stock, and other natural causes. After once becoming loose they can never be effectually retightened, and the only way of securing them temporarily is by wrapping their inner ends with packing, which eventually enlarges the opening in the pump-stock and ruins the latter. By my invention I not only succeed in securing the spout to the pump-stock with absolute rigidity, so that it will be able to support any strain to which it will be in practice subjected without working and straining the opening in the pump-stock in which it is inserted, but the joint will at all times be perfectly tight, and the pump-stock, instead of being subjected to additional strain and wear, is very much strengthened and braced, is prevented from splitting, and is caused to last much longer than pump-stocks to which my invention is not applied.

Having described my invention, I claim—

The combination, with a wooden pump-stock having an opening to receive a spout, of a metallic spout having at a short distance from its inner end an annular collar adapted to bear against the face of the pump-stock and provided with laterally-extending flanges having upturned slotted outer ends, the flat clip or band having screw-threaded ends, and the fastening-nuts, substantially as and for the purpose set forth.

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

JAMES GOULDING TAYLOR.

Witnesses:

HAL H. STEARNS,

FRANCES A. STEARNS.