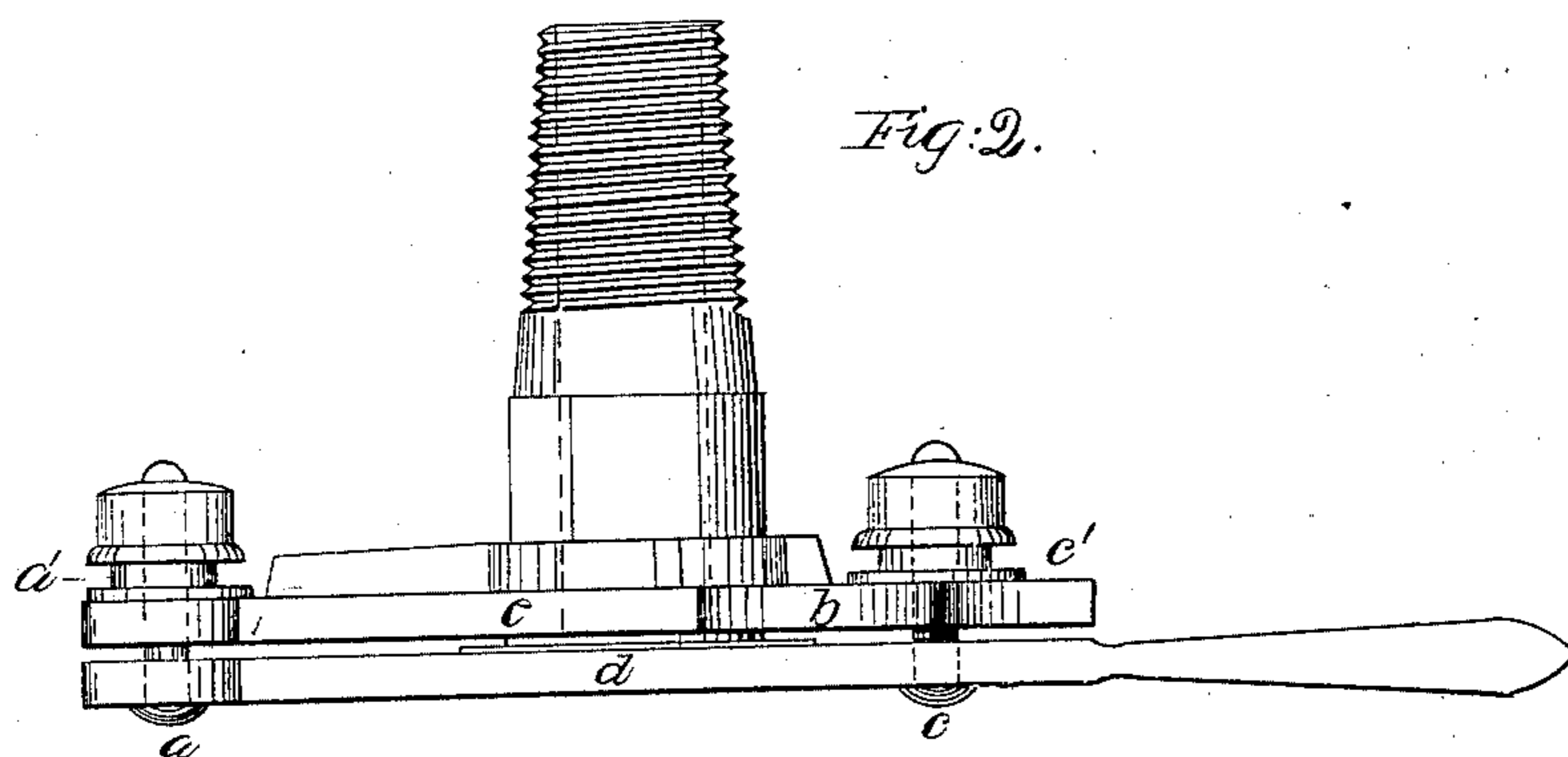
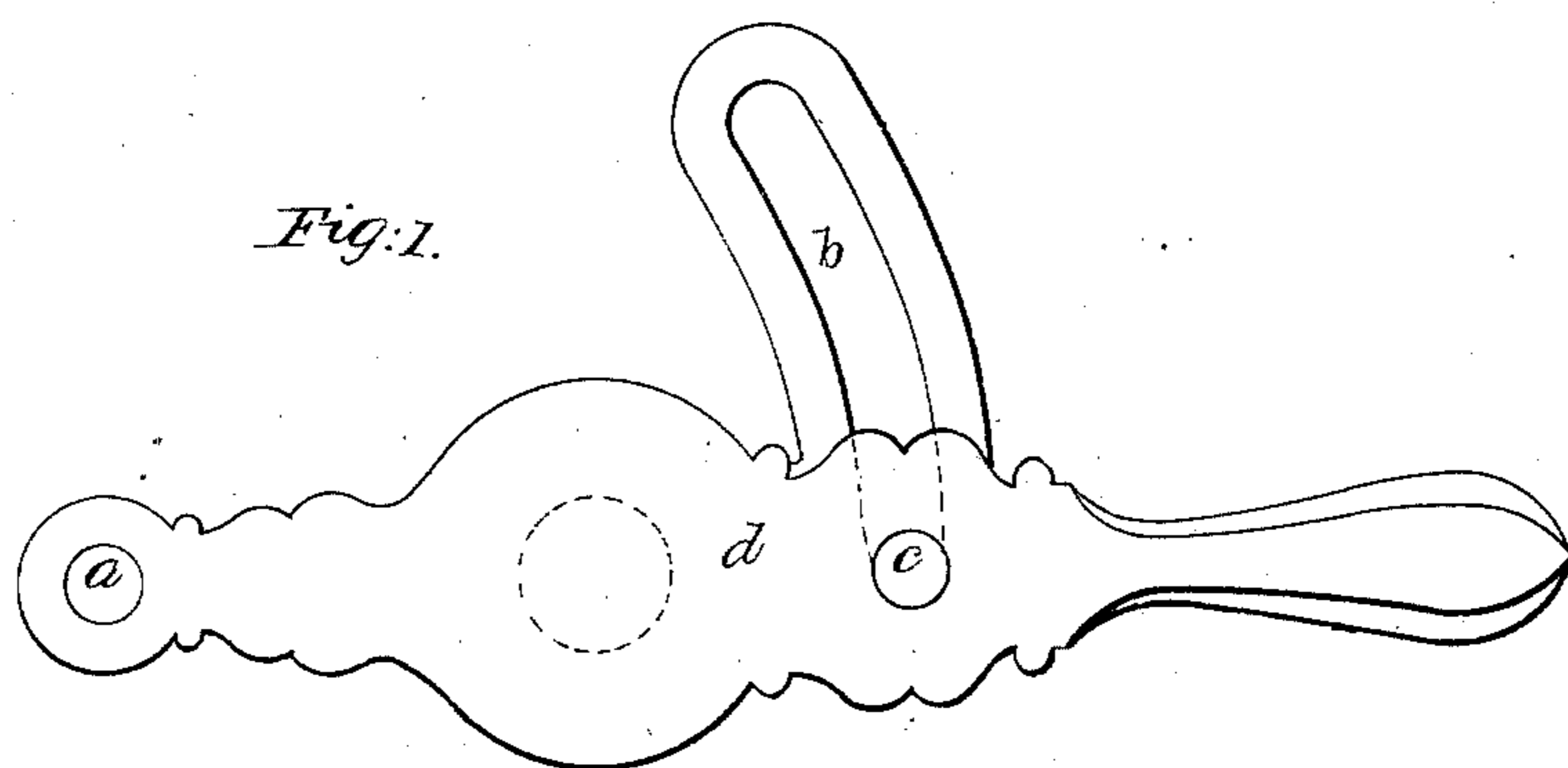


*G. W. Hubbard,*  
*Molasses Gate,*  
*No. 26,769, Patented Jan. 10, 1860.*



*Witnesses:*  
*S. H. Maynard;*  
*George H. Mott.*

*Inventor:*  
*George W. Hubbard*  
*by his Attorney*  
*J. P. Pinckney*

# UNITED STATES PATENT OFFICE.

GEORGE W. HUBBARD, OF MERIDEN, CONNECTICUT.

## MOLASSES-GATE.

Specification of Letters Patent No. 26,769, dated January 10, 1860.

*To all whom it may concern:*

Be it known that I, GEORGE W. HUBBARD, of Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Molasses-Gates; and I do hereby declare that the following is a full, clear and exact description of the same, reference being made to the annexed drawing, making a part of this specification, in which—

Figure I is a front elevation. Fig. II is a top or plan view.

Similar letters indicate similar parts throughout the figures.

My improvement lies, in a manner of so constructing, and affixing, the two parts together, that the covering part, will be always parallel to the face of the tube or stem, when closed, whereby all leaking is prevented.

In the ordinary form of molasses gate the covering part is hinged at one end by a simple screw bolt, as at (a) Fig. I, on which it can be moved, and at the handle end there is an arc, (b) which has a slot in which a bolt (c) plays being affixed to the handle, and having a head on the inner end. The metal of the arc is thickened at the lower part, and thus as the handle is pressed down the inner surface of the cover is drawn more closely against the packing of the tube. As however the bolt at (a) is of a fixed length it is obvious that there

can be but one point on the arc at which the inner surface of the cover and the face of the tube can be parallel, and of course the gate is liable to leak. This defect I obviate entirely as will appear from the following description.

My gate is formed generally in the manner above described but instead of the fixed bolt, at (a) I employ one which is capable of yielding in the direction of its length, and this I effect by putting between its nut and washer a spring which is made of india rubber, as seen at (a') Fig. II. On the bolt (c) I also affix in like manner a similar spring as shown at (c') and I do not add to the metal at the lower part of the arc (b) but make it of uniform thickness from top to bottom. As thus constructed the bolt (a) yields to the same extent as that at (c) and when the covering part (d) is forced down it will stand parallel to the face of the tube (e) as shown and consequently will not leak.

I claim—

Making the covering part adjustable by means of the spring at each end in the manner and for the purpose described.

GEO. W. HUBBARD.

Witnesses:

PHILIP C. RAND,  
G. H. BELDEN.