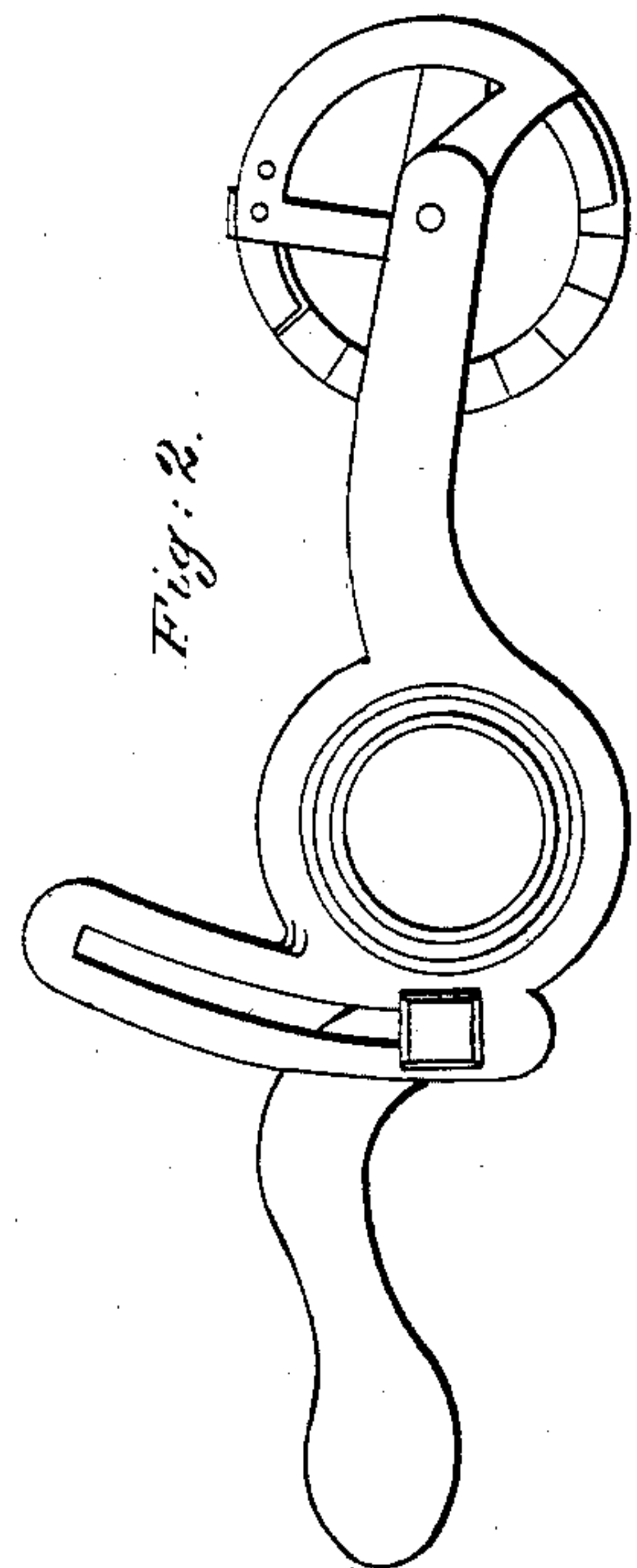


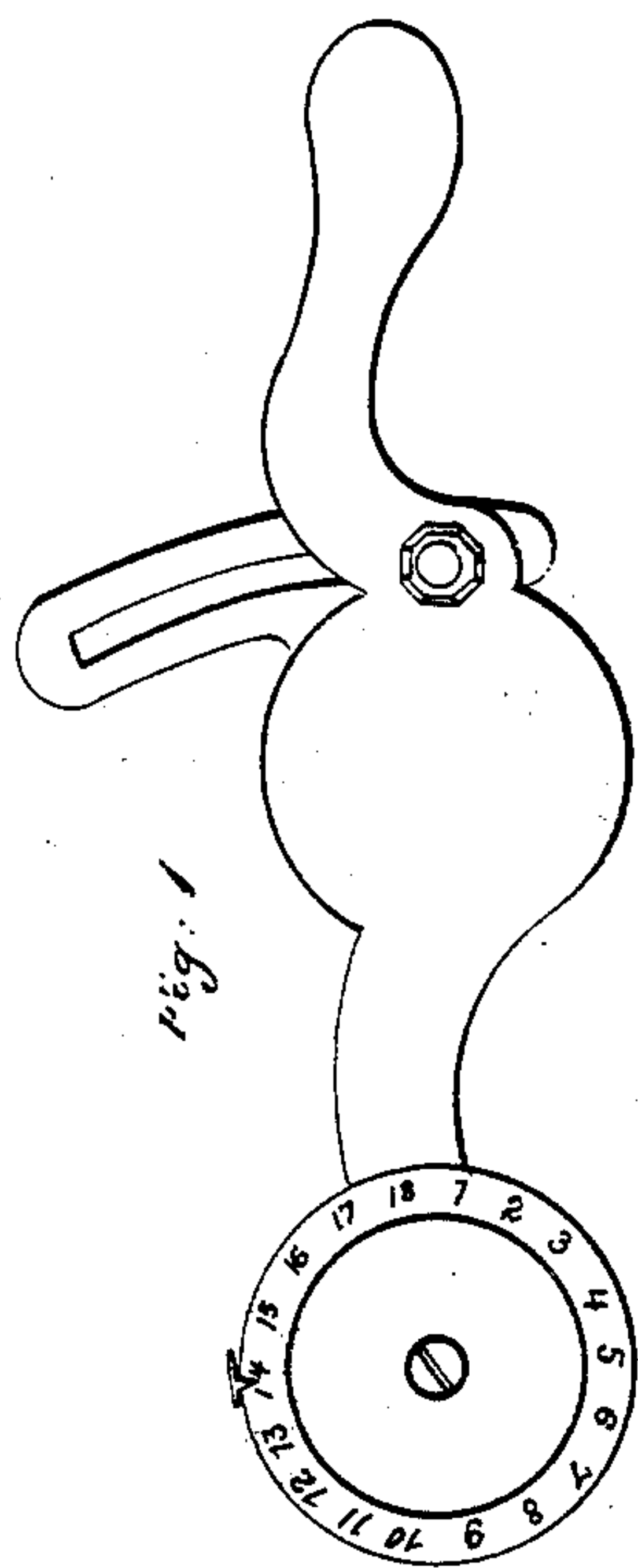
D. D. HANSON.  
Molasses Faucet.

No. 5,427.

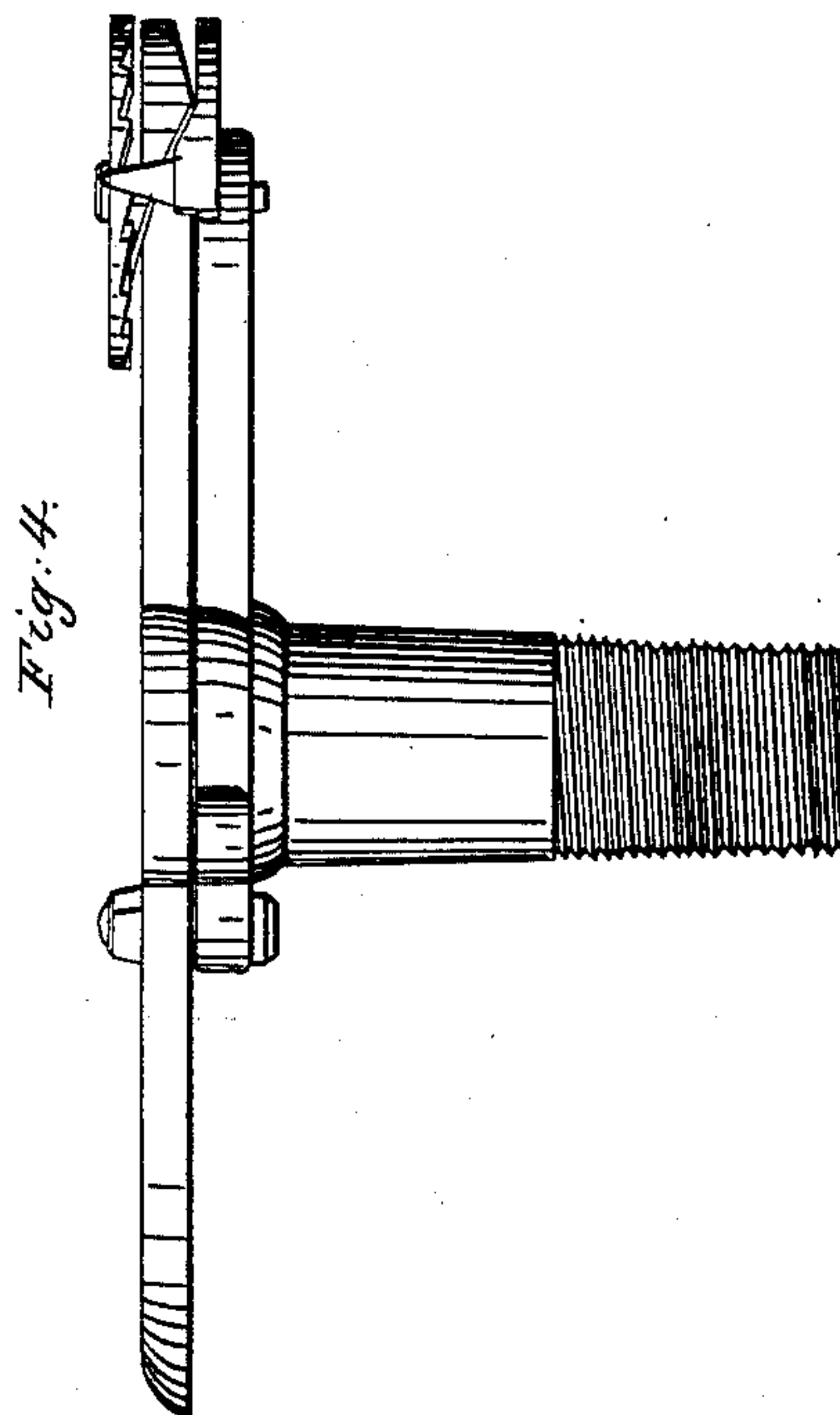
Patented Feb. 1, 1848.



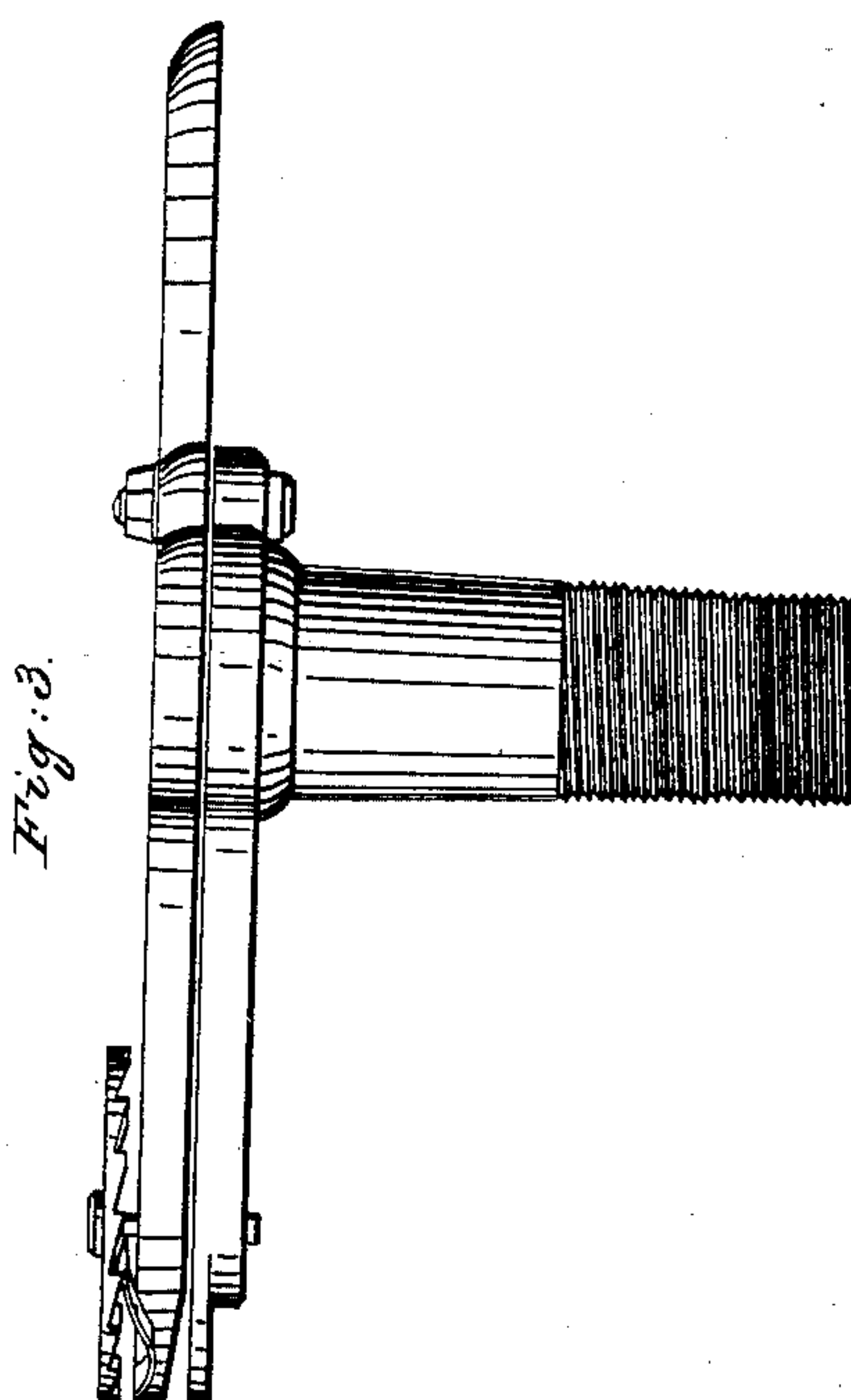
*Fig. 2.*



*Fig. 1.*



*Fig. 4.*



*Fig. 3.*

# UNITED STATES PATENT OFFICE.

DAVID D. HANSON, OF WEARE, NEW HAMPSHIRE.

MOLASSES-FAUCET.

Specification of Letters Patent No. 5,427, dated February 1, 1848.

*To all whom it may concern:*

Be it known that I, DAVID D. HANSON, of Weare, county of Hillsboro, State of New Hampshire, have invented a new and useful  
5 Improvement on Faucets; and I do hereby declare that the following is a full and exact description.

In this description reference is made to a drawing, accompanying it.

10 The nature of my invention consists in providing the "faucet" with a graduated scale, circular index, or what is better known among mechanics, by the "ratch dial." It is so constructed as to show the number  
15 of measures drawn from the cask to which it is affixed.

I describe it as follows: My faucet consists of a cylindrical tube about five inches in length and one inch and a quarter in diam-  
20 eter, made of cast iron, one end being bushed with leather, or lead to make it air tight, and prevent leakage when in use. The head or end of this cylindrical tube, has a shaft about four inches in length, in one end  
25 of which is a circular slot, as will be seen in the diagram, Figs. 1 and 2 at the opposite end is a quarter circle, with a small hole to insert a screw or pivot, as will be observed in Fig. 2.

30 The aperture in the tube is closed by a slide, represented by figure number 1, the pivot that passed through the hole in the quarter circle, serves as a fulcrum for the slide, above the slide, upon the same pivot is

placed a ratch dial, this dial is shown in con- 35  
nection with the slide in Fig. 1, the dial has upon the under side cogs in which a spring plays, this is called the "gathering spring," or regulator, as will be seen in Fig. 3, the  
40 cogs are at an equal distance apart, and the click or alarm spring which is represented in Fig. 4 plays into the grooves behind the cogs, and shows accurately the given distance through which the ratch  
45 dial moves each time the slide passes down the circular slot, which is done by applying the power upon the handle of the slide; through this handle passes a screw into the circular slot to hold it in place, when in  
50 operation. When the slide passes up the slot, the gathering spring catches in the cogs or teeth of the ratch dial as shown in figure number three.

Upon the face of the dial is engraved figures from one to eighteen, a brass hand or  
55 pin points to each number as the dial revolves.

This faucet is designed for drawing fluids, the dial is for the purpose of preventing errors which often occur when a large quan-  
60 tity is being drawn at a time.

What I claim as my invention is—

The application of the ratch dial to the faucet.

DAVID D. HANSON.

Witnesses:

HEROD CHASE,  
DAVID PAIGE, Jr.