

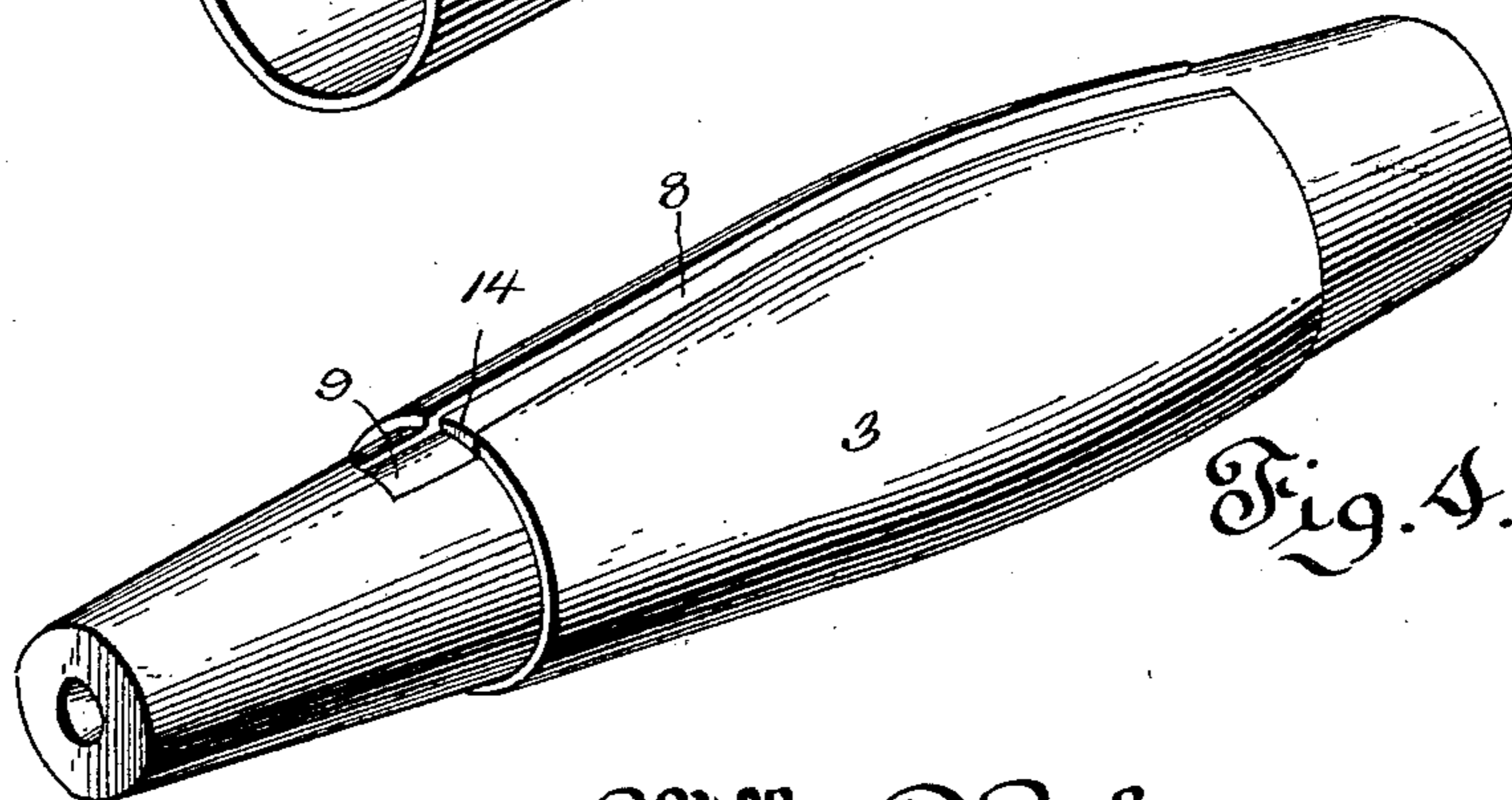
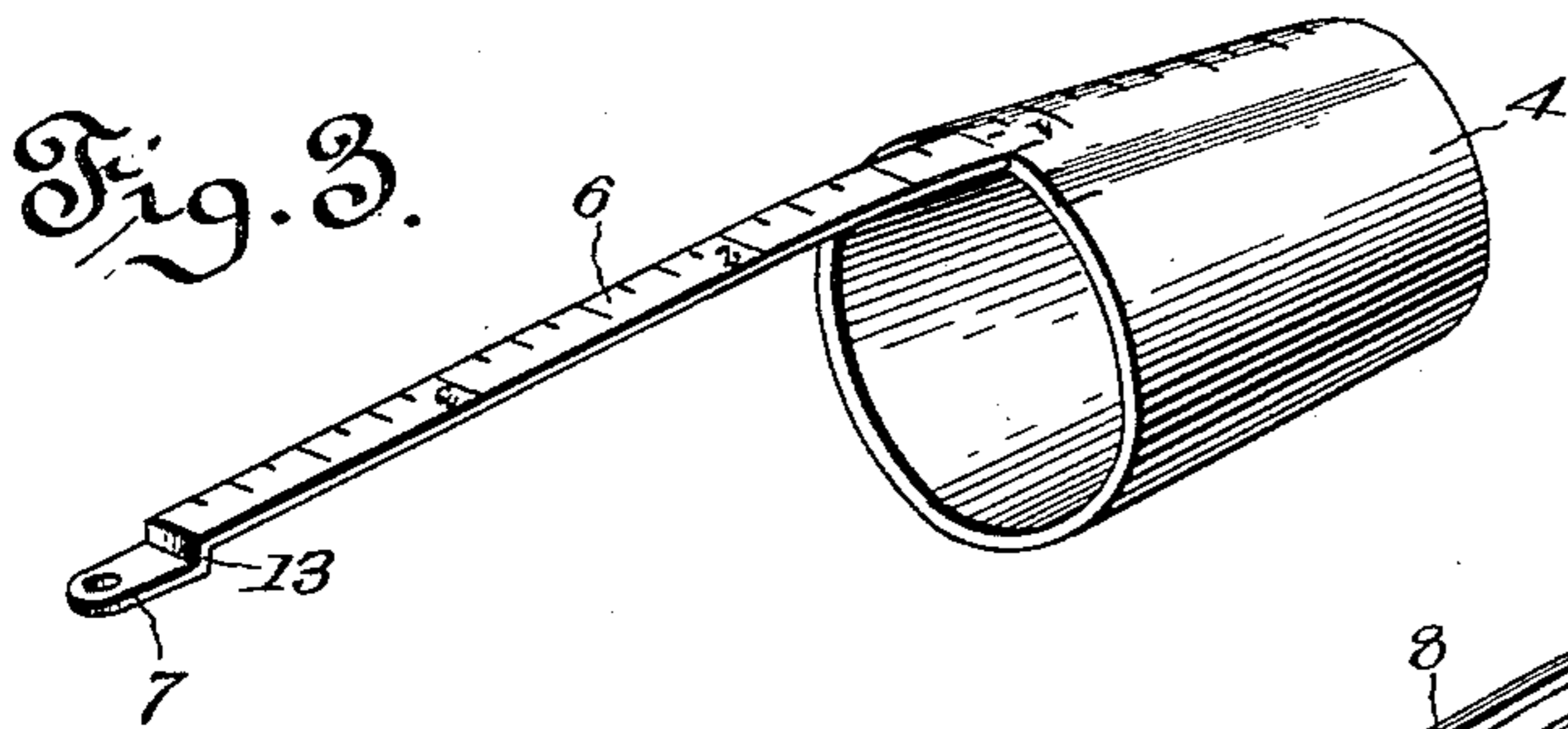
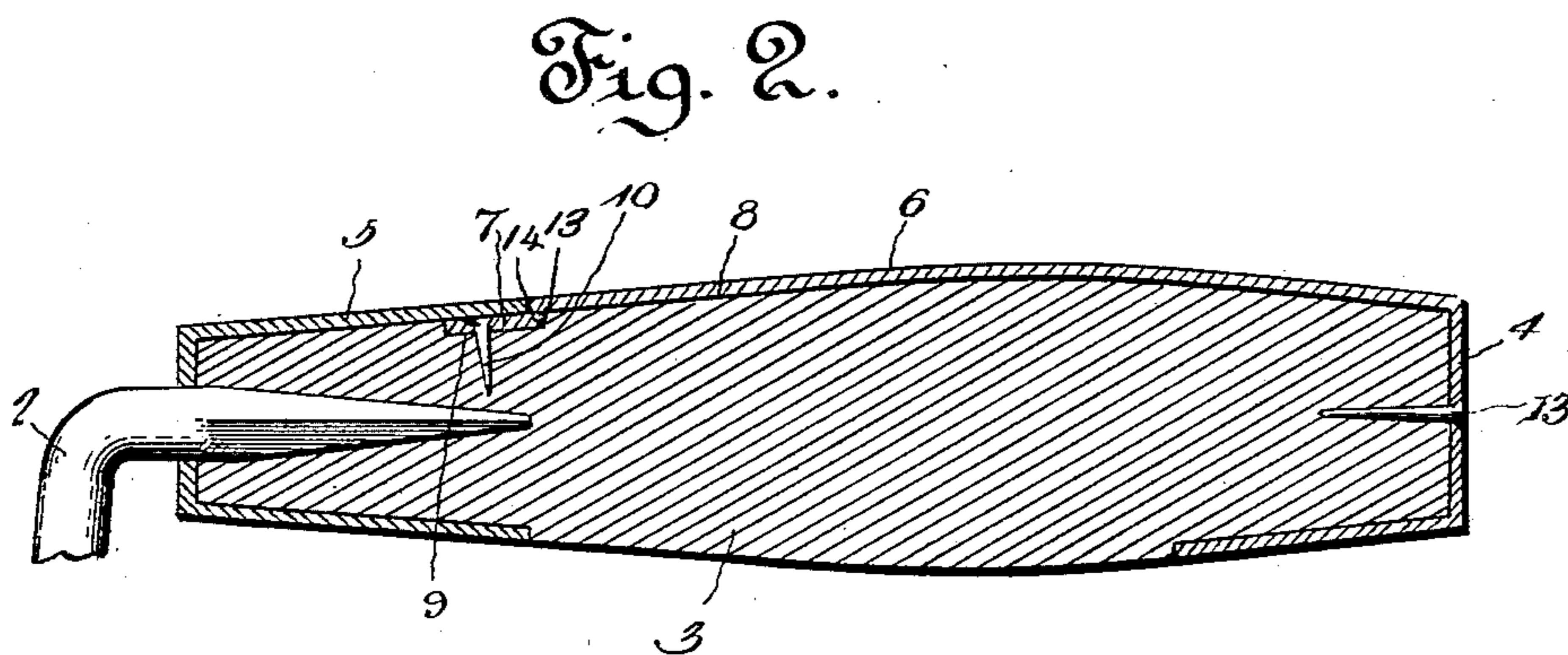
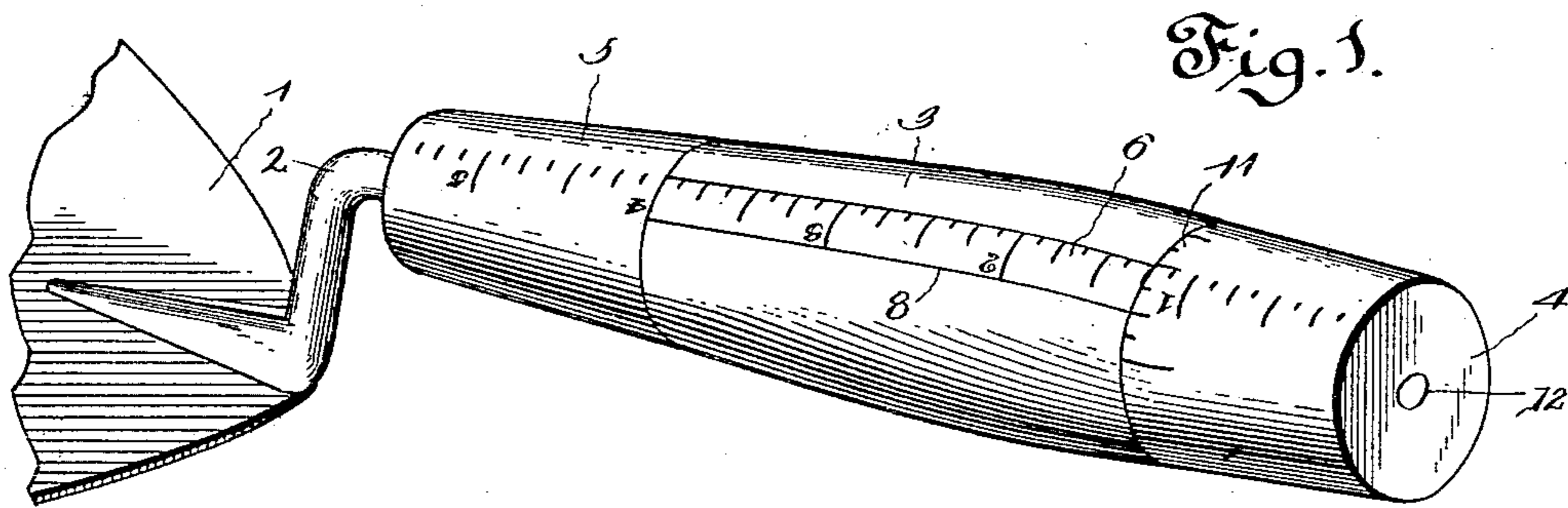
No. 630,924.

Patented Aug. 15, 1899.

W. D. PICKENS.  
TROWEL HANDLE.

(Application filed Nov. 21, 1898.)

(No Model.)



Witnesses

J. Kaufmanverrell. By his Attorneys,

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# UNITED STATES PATENT OFFICE.

WILLIAM D. PICKENS, OF BULL RUN, OREGON.

## TROWEL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 630,924, dated August 15, 1899.

Application filed November 21, 1898. Serial No. 697,050. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM D. PICKENS, a citizen of the United States, residing at Bull Run, in the county of Clackamas and State of Oregon, have invented a new and useful Trowel-Handle, of which the following is a specification.

This invention relates to trowels for bricklayers; and the object thereof is to provide the handle of the trowel with a measuring-scale, whereby the necessary measurements may be made without laying down the trowel and using a separate measure.

To this end the present invention consists in the novel combination and arrangement of a measuring-scale as applied to the handle of the implement.

In the drawings, Figure 1 is a perspective view of a trowel having the improved scale applied to the handle thereof. Fig. 2 is a longitudinal sectional view of the handle, taken through the scale. Fig. 3 is a detail perspective view of the ferrule carrying the arm forming a part of the measuring-scale. Fig. 4 is a detail view of the handle with the ferrules and the arm removed.

Corresponding parts in the several figures of the drawings are denoted by like reference characters.

Referring to the accompanying drawings, 1 designates a portion of an ordinary trowel-blade having an attaching-shank 2 and the usual wooden handle 3 fitted upon said shank. The ends of the handle are protected by the ferrules 4 and 5, respectively, in the ordinary manner.

As illustrated in Fig. 3, one of the ferrules, preferably the outer one 4, is provided with an arm 6, extending from the inner edge thereof and of a length to engage the ferrule 5 upon the other end of the handle. This arm is preferably formed integral at one end with the ferrule 4, and its other end is bent or offset, as at 7. A longitudinal groove 8 is formed in the face of the handle and extends throughout the handle, between the reduced ends thereof.

In applying the device to the handle, the ferrule 4 is fitted to the outer reduced end of the handle, with the arm 6 seated in the groove 8 and flush with the surface of the handle.

The offset end 7 of the arm overlaps the reduced inner end of the handle and is seated in a notch 9 formed therein. A suitable pin 10 holds the free end of the arm in place while the ferrule 5 is being forced upon the inner end of the handle and over the end of the arm 6. A suitable longitudinal measuring-scale, as shown, is marked off upon the arm 6 and continued upon each ferrule, and a second transverse scale 11 is provided upon the inner edge of the ferrule 4 and disposed upon opposite sides of the arm 6. The transverse scale is arranged to intersect the longitudinal scale at right angles thereto, whereby the proper length and width may be measured off upon the one brick without altering the position of the implement. Thus the arrangement of the scale at right angles provides a means whereby the two essential dimensions of a brick may be measured off in a convenient and effective manner.

The preferable relative position of the longitudinal scale is to one side of the longitudinal center of the upper face of the handle, as this portion thereof is least subject to wear.

The ferrule 4 preferably has a closed outer end 12 to protect the wooden handle from being worn by striking the bricks to set them properly in the mortar, and a hole or opening 12 is provided therein to receive a suitable fastening 13, whereby the ferrule may be held upon the handle.

It will be noted that the shoulder 13, formed by the bent or offset portion 7 of the scale-arm, engages the shoulder 14 in the groove 8, formed by the notch 9. By this arrangement the ferrule 4, which carries the scale-arm, is prevented from being displaced longitudinally from the handle, especially in view of the fact that the other ferrule 5 fits snugly over the deflected end 7 and precludes the possibility of the latter being accidentally dislodged from its position in the notch 9.

In using the device it can be applied to a brick or stone without putting down the trowel entirely and using a separate measure. The present arrangement of the scale upon the handle of a trowel greatly facilitates the work of a mason in measuring bricks or stones, so that they may be fitted accurately in the wall at corners or projections. It will

be noted that the ferrules engage the respective opposite ends of the scale-arm 6 and hold the same in place upon the handle.

Changes in the form, proportion, and minor details may be made without departing from the spirit and scope or sacrificing any of the advantages of the present invention.

Having thus described the invention, what is claimed is—

10 1. In a trowel-handle, the combination with the outer ferrule, of a scaled arm carried thereby, which is adapted to extend longitudinally of the handle, and the inner ferrule adapted to fit over the free end of the arm  
15 and confine it in place, substantially as shown and described.

2. The combination with a trowel-handle having reduced ends and ferrules fitted to the reduced ends of the handle, of a scaled  
20 arm carried by one of the ferrules and having its free end bent or offset, the offset end of the arm overlapping the respective reduced end of the handle, and the other ferrule being adapted to be fitted over the offset portion of the arm and confine it in place, sub-  
25 stantially as shown and described.

3. The combination with a trowel-handle having reduced ends and ferrules fitted thereto, of a scaled arm carried by one of the fer-

rules and having its free end bent or offset 30 and provided with an opening therethrough, a pin adapted to hold the free end of the arm to the handle, while the respective ferrule is being fitted to the reduced end of the handle, and over the offset portion of the arm, sub- 35 stantially as shown and described.

4. The combination with a trowel-handle, having reduced ends, and a longitudinal groove extending the entire distance between the reduced ends, and a notch formed in one 40 of the reduced ends in line with the groove, of ferrules fitted to the reduced ends, and a scaled arm carried by one of the ferrules, and provided at its free end with an offset portion, the arm being fitted in the groove, the 45 offset portion seated in the notch, and the other ferrule being fitted over the offset portion of the arm and adapted to confine the same in place, substantially as shown and described. 50

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

WILLIAM D. PICKENS.

Witnesses:

ROBERT JONSEN,  
W. E. WELCH.