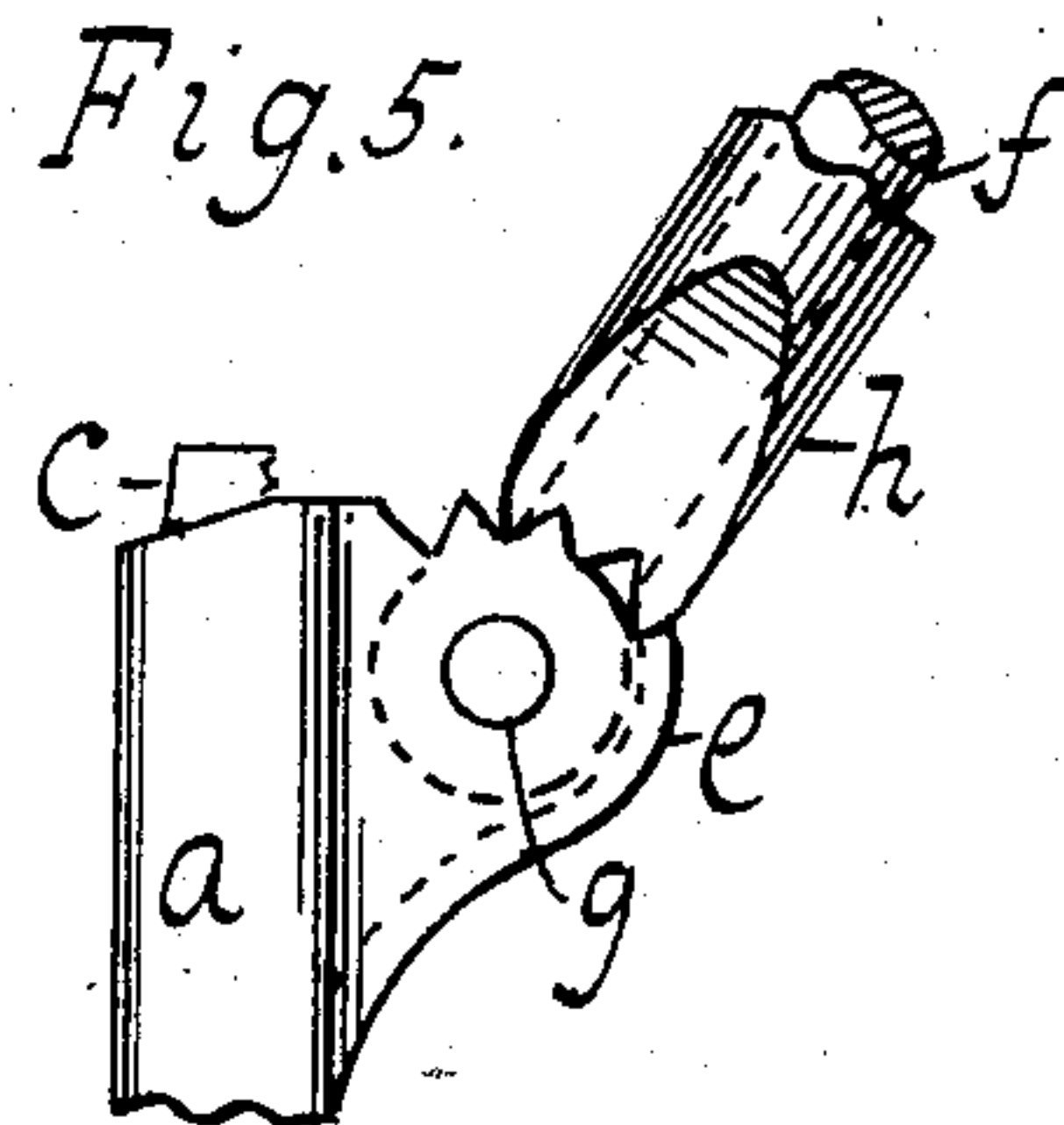
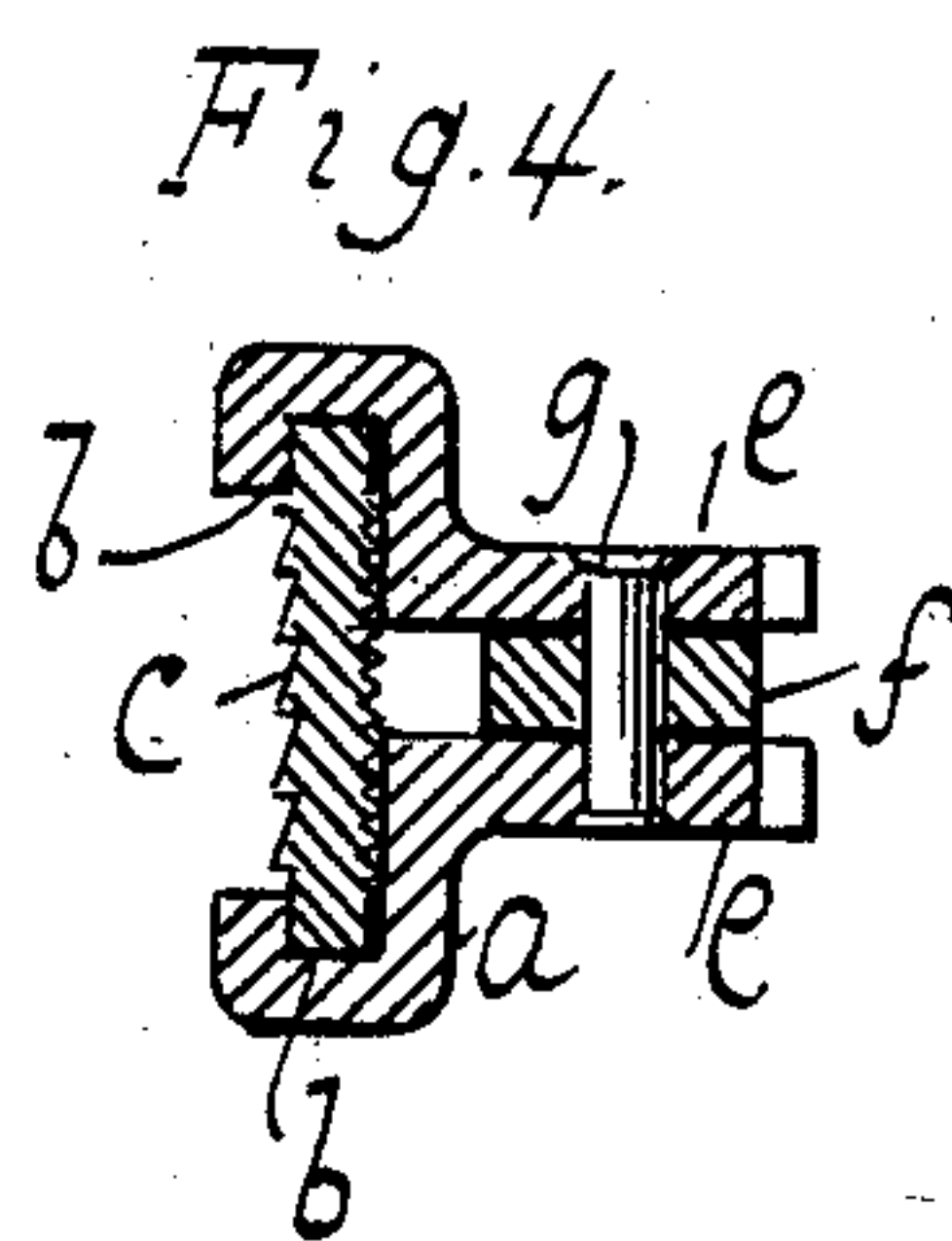
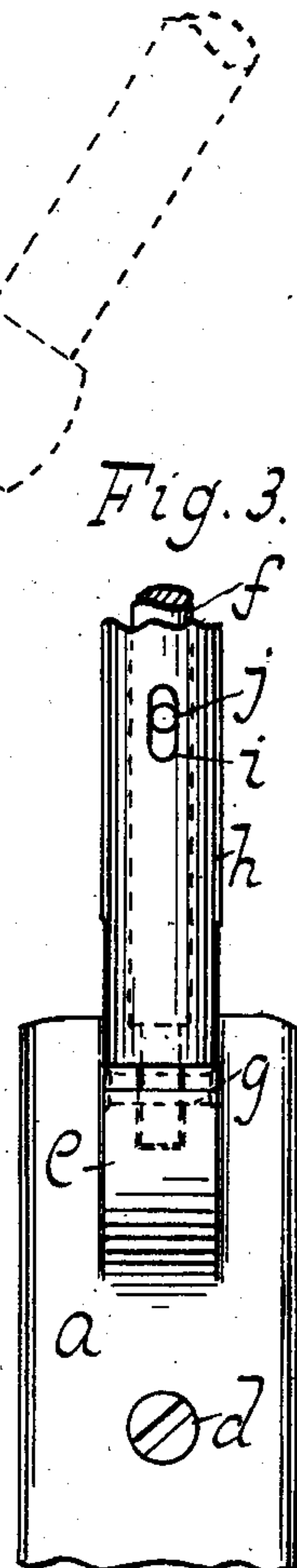
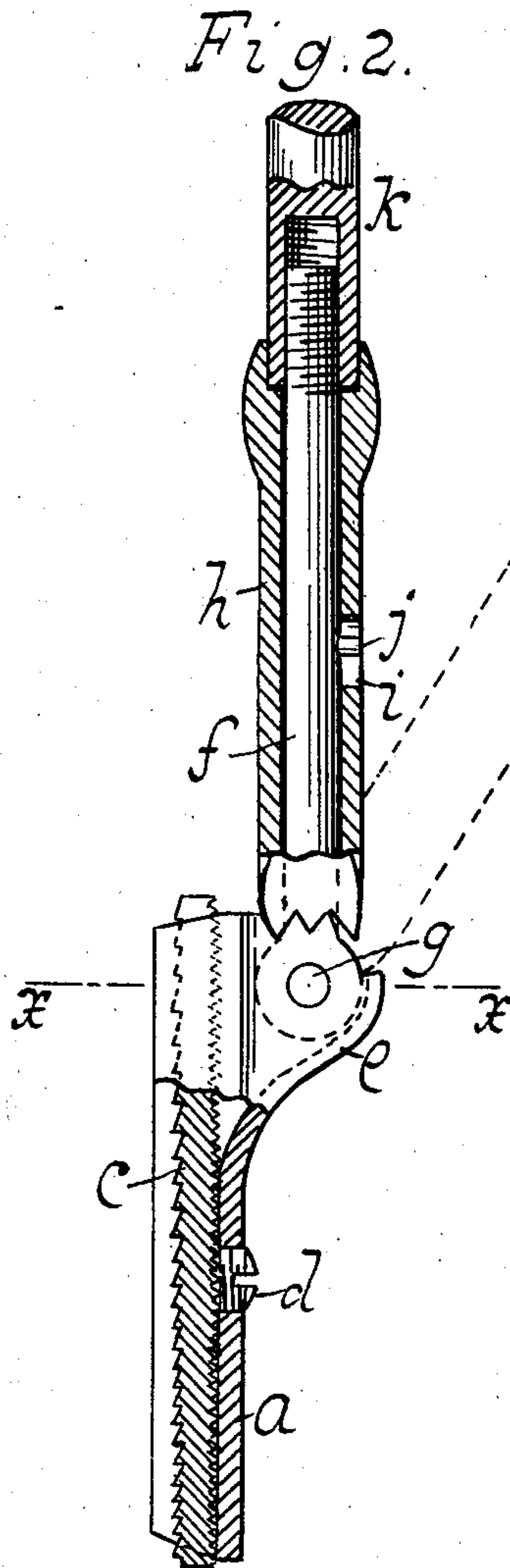
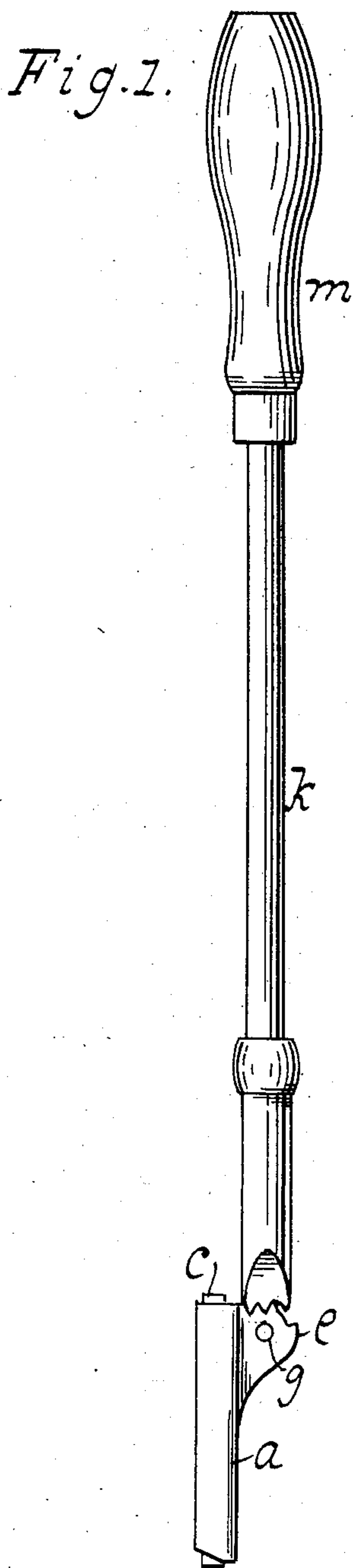


J. SKLAR.
VETERINARY SURGEON'S FLOAT.
APPLICATION FILED DEC. 16, 1910.

994,483.

Patented June 6, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN SKLAR, OF BROOKLYN, NEW YORK.

VETERINARY-SURGEON'S FLOAT.

994,483.

Specification of Letters Patent.

Patented June 6, 1911.

Application filed December 16, 1910. Serial No. 597,656.

To all whom it may concern:

Be it known that I, JOHN SKLAR, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Veterinary-Surgeons' Floats, of which the following is a specification.

This invention relates to improvements in veterinary surgeons' floats these instruments being essentially employed in filing horses' teeth, the object of the invention being to provide a novel and simple method of positioning and locking the handle in its relation to the rasp holder.

The instrument consists of a rasp attached to a grooved holder and a stem pivoted to the holder on which a sleeve is slidably mounted, a handle to co-act with the sleeve and the stem to lock the same to the holder. The holder is provided with lugs having teeth to engage corresponding teeth on the sleeve and hence when the handle is unscrewed the sleeve can be moved backward carrying the teeth out of engagement with the lug teeth, in this position the handle can be set in line with or at a suitable angle in its relative position to the holder.

It will be seen that by the above arrangement only one holder is required while formerly two holders with different angle stems were required.

The novel features of the invention are more fully described in the following specification and claims and illustrated in the accompanying drawing in which:—

Figure 1 represents a side elevation of an instrument embodying this invention. Fig. 2 is a similar view partly in section the device being of larger scale. Fig. 3 is a rear view of Fig. 2. Fig. 4 is a section taken along line $x-x$ Fig. 2. Fig. 5 shows a detail view of a portion of the holder showing the sleeve set at an angle.

In this drawing the letter a designates a holder which is provided with inwardly extending flanges to form grooves b . These grooves serve as guideways for the insertion of a rasp c . A set screw d at the back of the holder serves to clamp the rasp in the guideways of said holder. The rear upper part of the holder is provided with lugs e having a series of teeth formed on the upper por-

tion of the lugs. The lower portion of a stem f is pivoted at g to the lugs, this stem being adapted to swing freely about the pivot. A sleeve h is mounted on the stem and it has a slot i of suitable shape to co-act with a pin j fastened to the stem. This pin and slot connection at certain times allows limited movement of the sleeve longitudinally. The lower portion of the sleeve is provided with teeth adapted to engage the said teeth formed on the lugs. The upper portion of the stem f is screw threaded to engage a threaded socket formed in the shank k of a handle m . When the handle is screwed in place onto the stem it forces the sleeve toward the pivot and the teeth formed on the sleeve will engage the corresponding teeth on the lugs and thus lock the stem and handle to the holder. It will be understood that when the handle is partly unscrewed the sleeve can be moved along the stem, consequently carrying the teeth out of engagement with the teeth on the lugs so that the handle with the stem can be oscillated and set to the required position.

As shown in the drawing the handle can be set in two positions in relation to the rasp holder, but the form of the teeth may be varied to enable the stem to be set and locked in a number of different angles.

I claim:—

1. A device of the kind described, comprising a rasp holder, a stem pivoted to the holder, a handle connected to the stem, a sleeve slidably mounted on the stem, and devices associated with the handle for locking the sleeve to the holder.

2. A device of the kind described, comprising a rasp holder, a stem pivoted to the holder, a handle attached to the stem, a sleeve slidably mounted on the stem, and means associated with the handle and the stem for locking the sleeve to the holder.

3. A device of the kind described, comprising a rasp holder, a stem pivoted to the holder, a handle having screw connection with the stem, a sleeve slidably mounted on the stem, said handle being adapted to force the sleeve toward the pivot for locking the same to the holder.

4. An instrument of the kind described, comprising a rasp holder having toothed

lugs, a stem pivotally connected to the holder, a handle having screw connection with the stem, a sleeve mounted on the stem and provided with teeth for engaging the
5 teeth on the holder, said handle being adapted to engage the sleeve and thereby lock the sleeve to the holder.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN SKLAR.

Witnesses:

WM. E. WARLAND,
CHRISTIAN H. ALMSTAEDT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
