

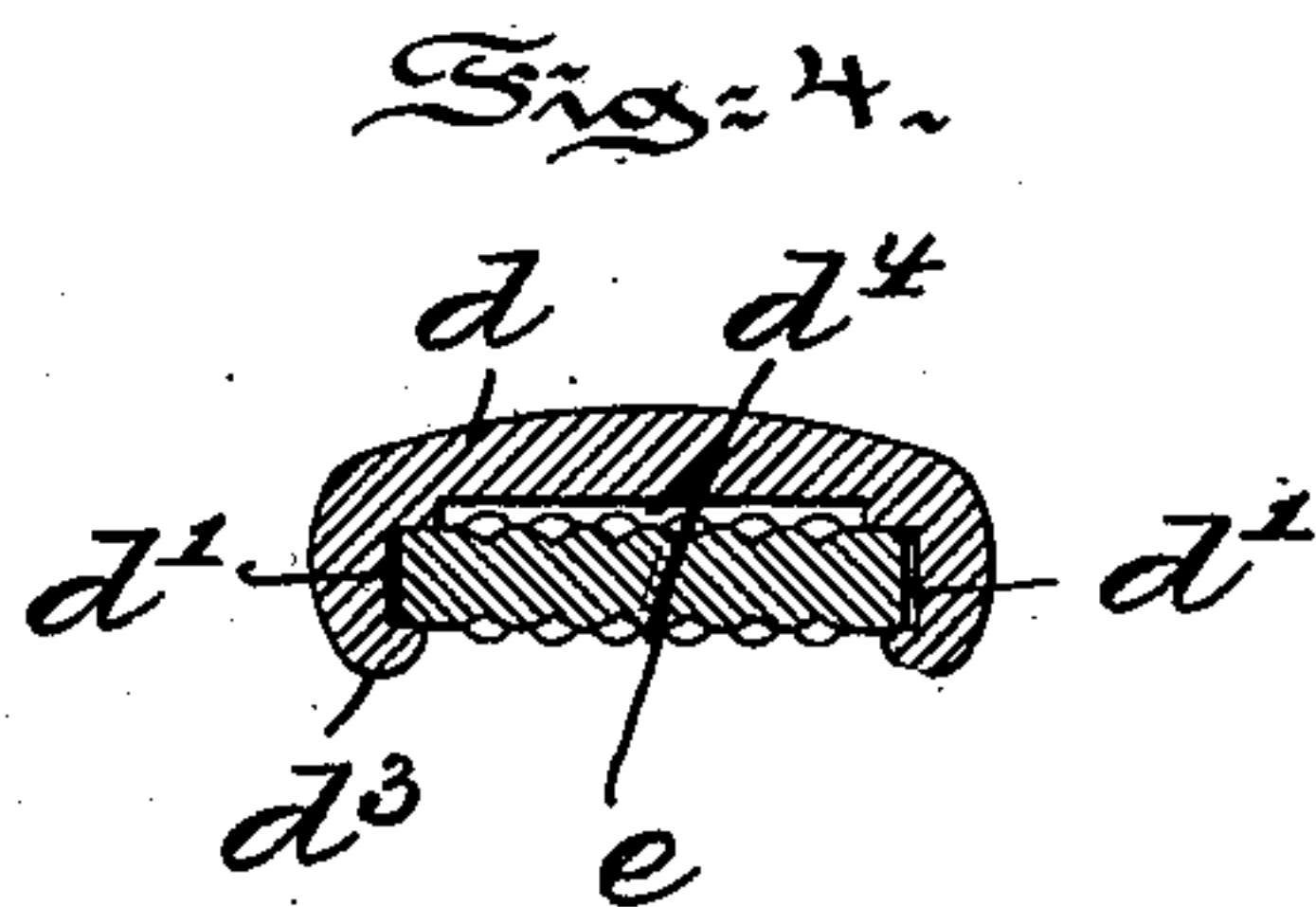
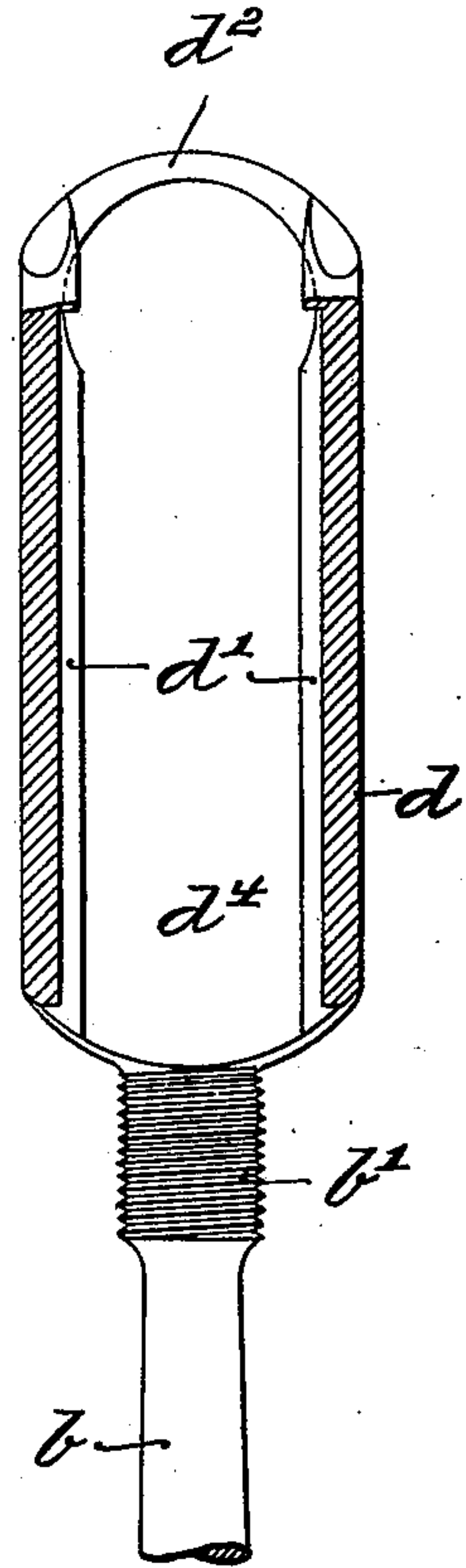
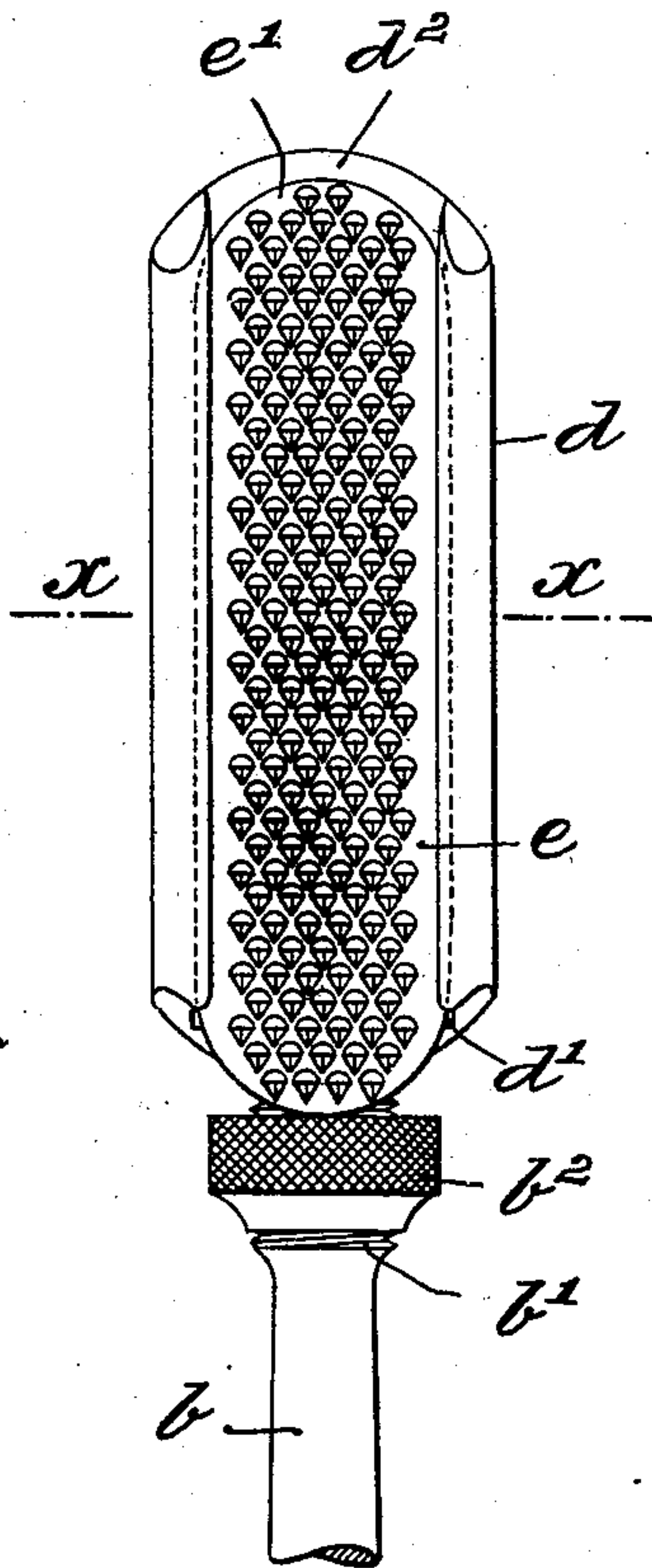
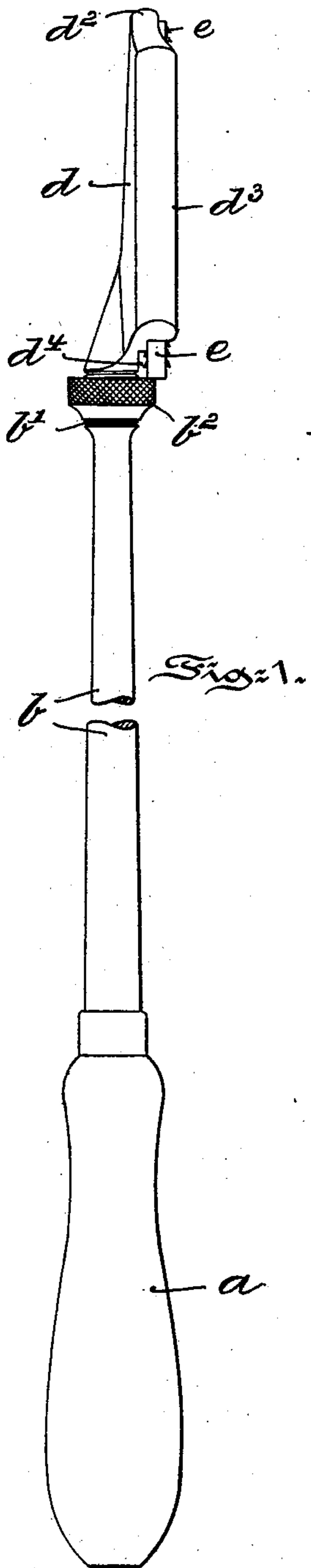
No. 668,722.

Patented Feb. 26, 1901.

G. W. TEUFEL.  
VETERINARY FLOAT.

(Application filed Dec. 15, 1900.)

(No Model.)



Witnesses:  
Wilhelm Vogt  
Thomas M. Smith.

Inventor:  
George W. Teufel.  
By Walter Douglas,  
Attorney.

# UNITED STATES PATENT OFFICE.

GEORGE W. TEUFEL, OF PHILADELPHIA, PENNSYLVANIA.

## VETERINARY FLOAT.

SPECIFICATION forming part of Letters Patent No. 668,722, dated February 26, 1901.

Application filed December 15, 1900. Serial No. 39,940. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. TEUFEL, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Veterinary Floats for Filing Teeth of Horses and other Animals, of which the following is a specification.

My invention has relation to a float adapted for use by veterinarians in the filing of teeth of horses and other animals; and in such connection it relates more particularly to the construction and arrangement of such a float.

The principal object of my invention is to provide a veterinary rasp or file for horses' teeth and similar purposes of simple construction wherein the rasp or file plate is readily removable from and insertible in the instrument and when inserted is adapted to be firmly locked to the socket-plate wherein it is held.

The nature and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a side elevational view of a float embodying the main features of my invention. Fig. 2 is a face view, enlarged, of the upper end of the float with the rasp-plate locked in its holder. Fig. 3 is a view similar to Fig. 2, but with the rasp-plate and retaining-ring removed, the holder for the rasp-plate being vertically sectioned to more clearly illustrate its construction and arrangement; and Fig. 4 is a cross-sectional view on the line  $x x$  of Fig. 2.

Referring to the drawings,  $a$  represents the handle, and  $b$  the stem, of the instrument, secured at one end in the handle  $a$  and provided at its other end with a socket-piece or holder  $d$  for the reception and retention of the file or rasp plate  $e$ . The socket or holder  $d$  is provided with a groove or channel  $d'$  in each of its side walls and with a curved or other-shaped end retaining-wall  $d^2$  for the correspondingly-shaped end  $e'$  of the file or rasp plate  $e$ . This end retaining-wall  $d^2$  by preference does not extend flush with the rasping-surface of the plate  $e$ , but slightly below the

same. The side walls of the holder  $d$ , however, by preference do extend above and overlap onto the face of the rasping-plate  $e$  and are slightly curved, as at  $d^3$ . The stem  $b$  at or adjacent to the socket-piece or holder  $d$  is screw-threaded, as at  $b'$ , for the reception of a screw cap or ring  $b^2$ . After the plate  $e$  has been slid in the channels  $d'$  of the plate  $d$  until it abuts against the retaining-wall  $d^2$  the ring  $b^2$  is advanced on the screw-threaded portion  $b'$  to lock and clamp the rasp-plate  $e$  in its holder  $d$ . The main body of the holder  $d$  is cut out below the lower edge of the channels  $d'$ , so that as plate  $e$ , having rasping-teeth on both surfaces, is slid into the holder the teeth on the lower face of the plate will not rest upon the body of the holder  $d$ , but will be elevated therefrom, as illustrated in Fig. 4. The plate  $e$  when inserted is firmly held at its sides in the channels  $d'$  at one end by the retaining-wall  $d^2$  and at the other end by the screw-ring  $b^2$  and does not engage the holder  $d$  at any other portions.

Having thus described the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a veterinary float, a holder for the rasp or file having channeled side walls overlapping onto the face of said rasp or file, an end retaining-wall extending to a point below the face at the end of said rasp or file, the main body of said holder being cut away below the respective lower edges of the channeled side walls of said holder to form a space so as to maintain the teeth on the lower face of said rasp or file in position, free from contact with the body of said holder, said holder provided with a stem threaded adjacent thereto, and a ring adapted to be advanced on the threaded portion of said stem to securely hold said rasp or file in its said holder, substantially as and for the purposes described.

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

GEO. W. TEUFEL.

Witnesses:

J. WALTER DOUGLASS,  
THOMAS M. SMITH.