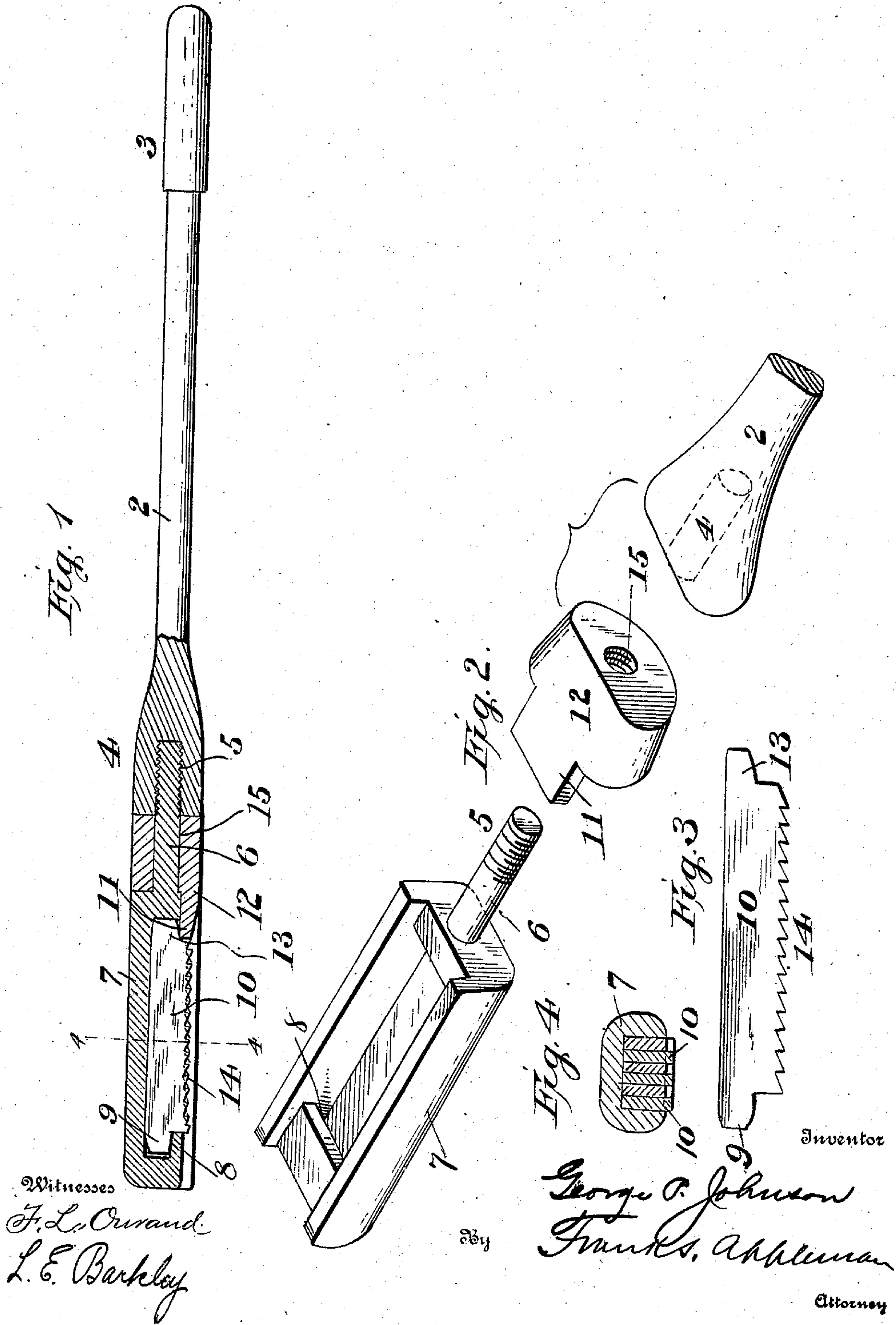


No. 855,007.

PATENTED MAY 28, 1907.

G. P. JOHNSON.  
VETERINARY APPLIANCE.  
APPLICATION FILED JULY 14, 1906.





# UNITED STATES PATENT OFFICE.

GEORGE P. JOHNSON, OF STORY CITY, IOWA.

## VETERINARY APPLIANCE.

No. 855,007.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed July 14, 1906. Serial No. 326,246.

*To all whom it may concern:*

Be it known that I, GEORGE P. JOHNSON, a citizen of the United States, residing at Story City, in the county of Story and State of Iowa, have invented certain new and useful Improvements in Veterinary Appliances, of which the following is a specification.

This invention relates to new and useful improvements in veterinary appliances and relates more particularly to files intended to be employed in the treatment of animals' teeth.

It is an object of the invention to provide in a device of this character novel means whereby the file proper is effectually held within its holder.

It is also an object of the invention to provide a novel device of this kind wherein the file is formed of interchangeable sections. This is done in order that those sections which wear the faster may be replaced by those which have but slight wear. This arrangement permits a greater life to the file and obviates the necessity of replacing the same until all of the parts or sections have become worn.

It is a further object of the invention to provide a novel device of this character that will be simple in construction, efficient in practice and comparatively inexpensive to manufacture.

With the above and other objects in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully described and claimed.

In describing the invention in detail reference will be had to the accompanying drawings wherein like characters denote corresponding parts in the several views and in which

Figure 1, is a central longitudinal section of the invention; Fig. 2, is a view in perspective of the device, the several parts being slightly separated; Fig. 3, is a view in side elevation of one of the file sections; Fig. 4, is a view, partly in perspective and partly in section, illustrating a slightly modified form of the invention.

In the drawings 2, denotes a handle of any desired or preferred form having at one end the hand grasp 3. The opposite end of the handle is provided with the circular threaded recess 4, adapted to receive the threaded portion 5, of the shank 6, extending from the file holder 7.

The file holder 7, is preferably, a rectangularly shaped body having one face opened and provided at its outer end with a transverse recess 8, into which extends the projections 9, of the file sections 10. The opposite end of the holder, from which the shank 5, projects is partly open to receive the extension 11, of an intermediate section 12. The ends of the file sections adjacent the end of the holder are also provided with the extensions 13, which are engaged by the extensions 11. By this arrangement the file sections are held against displacement.

Each of the file sections is similar one to the other and has arranged along one of its edges a series of serrations or teeth 14. These sections are intended to be interchangeable so that should one section wear faster than another it can be replaced by one of the sections that has not been worn so much. It is to be noticed that the teeth of the succeeding file sections 10, project in opposite directions, the purposes and advantages of which being thought to be plainly apparent.

The intermediate section 12, is provided with a central bore 15, through which loosely passes the shank 6. When the shank is threaded within the recess 4, the section 12 is forced into contact with the holder 7, and the extension 11, thereof passes into contact with the projections 13.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent is

In combination, a handle, a holder, a shank on the holder engaging the handle, file sections within the holder said file sections having extensions on their ends, an extension on one end of each of the sections extending within the recess of the holder, the teeth of the succeeding file sections projecting in opposite directions, an intermediate section mounted on the shank, and an extension on said intermediate section extending within the holder and projecting above the extensions on the opposite ends of the file sections the handle on the shank holding the intermediate section in its operative position.

In testimony whereof, I affix my signature in the presence of two witnesses this 3rd day of July 1906.

GEORGE P. JOHNSON.

Witnesses:

W. A. DEVENDORF,  
D. J. VINJE.