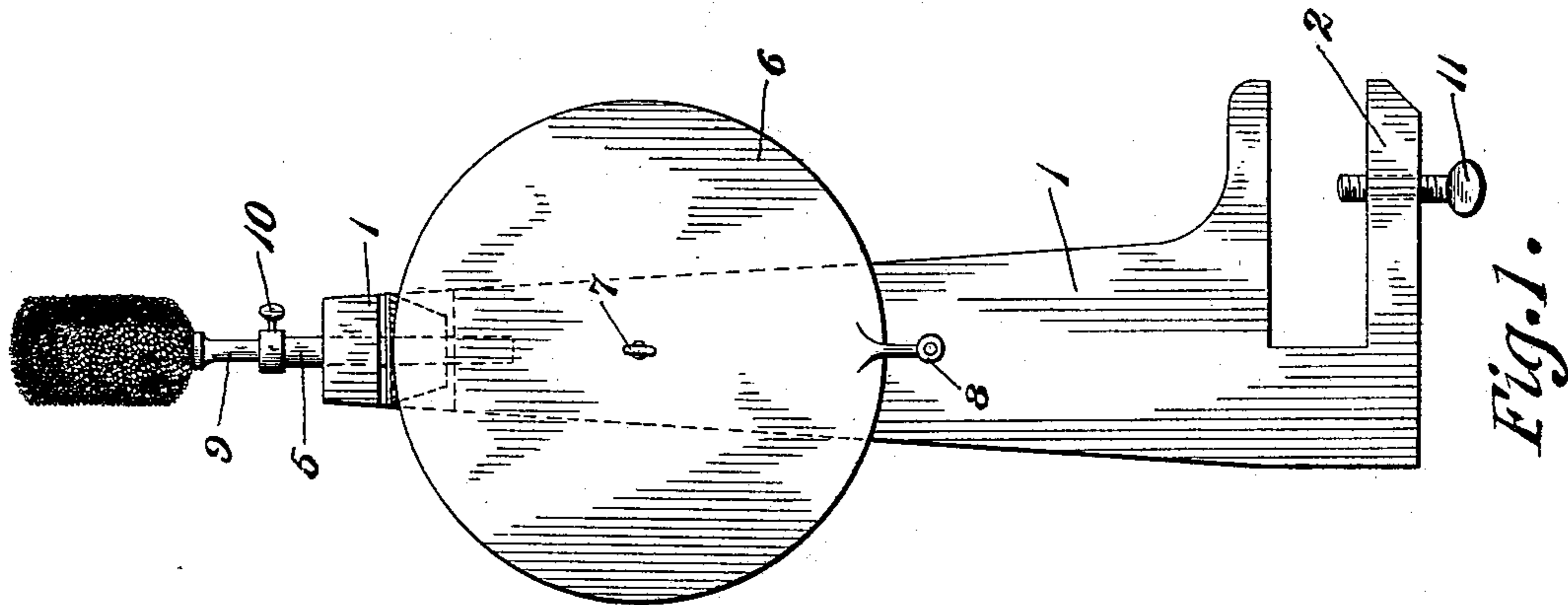
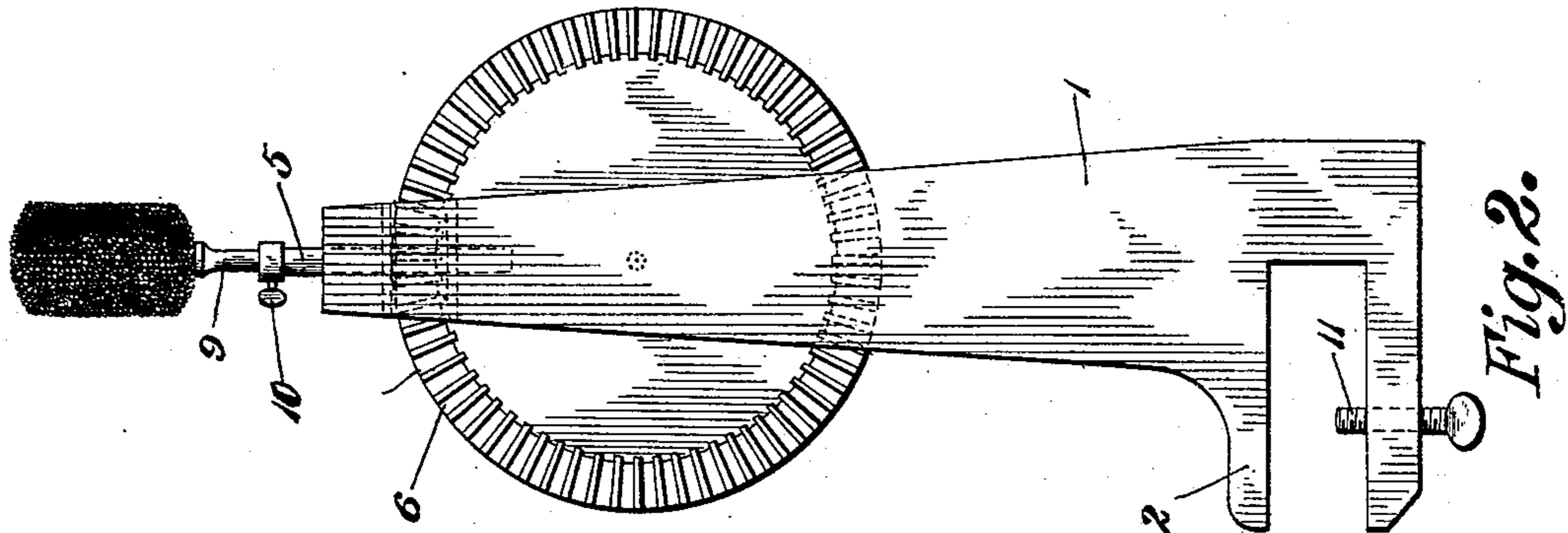
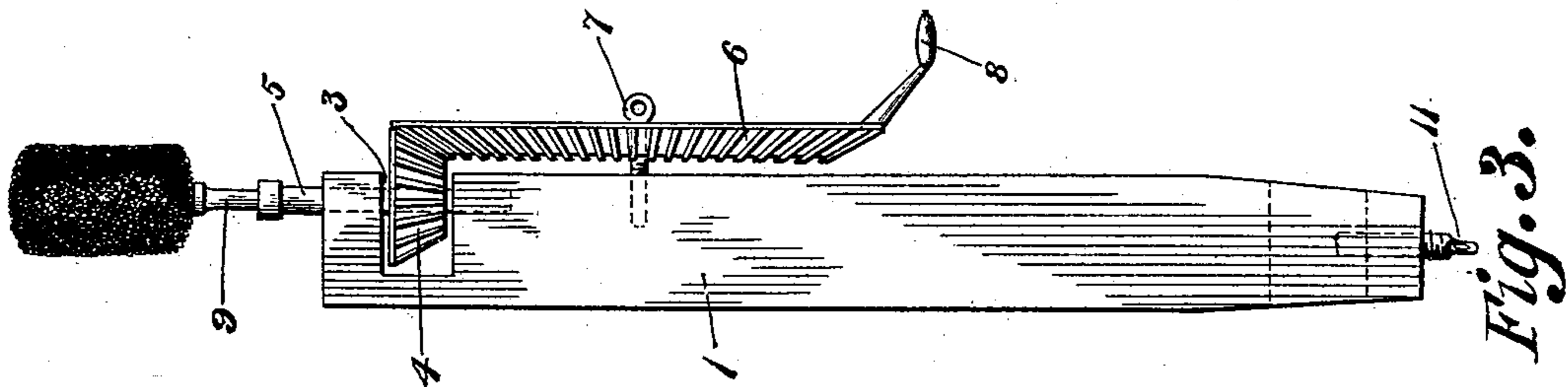


(No Model.)

J. E. WHITEHEAD.
SHELL CLEANER.

No. 567,057.

Patented Sept. 1, 1896.



Inventor

Witnesses

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UNITED STATES PATENT OFFICE.

JOHN ELAM WHITEHEAD, OF LEBO, KANSAS.

SHELL-CLEANER.

SPECIFICATION forming part of Letters Patent No. 567,057, dated September 1, 1896.

Application filed February 11, 1896. Serial No. 578,897. (No model.)

To all whom it may concern:

Be it known that I, JOHN ELAM WHITEHEAD, a citizen of the United States, residing at Lebo, in the county of Coffey and State of Kansas, have invented a new and useful Shell-Cleaner, of which the following is a specification.

This invention is designed to thoroughly and effectually clean metal shells for firearms, whether straight or bottle-shaped.

The purpose is to expedite cleaning the shells of burnt powder, corrosion, dirt, and foreign matter and to render the work comparatively easy.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figures 1 and 2 are respectively a front and rear elevation of a cleaner for attaining the end sought to be effected by this invention. Fig. 3 is a side elevation thereof.

Corresponding and like parts are referred to in the following description and designated in all the figures of the accompanying drawings by the same reference characters.

The cleaner comprises a stock or standard 1, having the ordinary table or bench clamp 2 at one end and formed in its side near the opposite end with a notch 3 to receive a bevel-pinion 4, mounted upon a spindle 5, journaled lengthwise of the standard and projecting upon opposite sides of the said pinion. A bevel gear-wheel 6, mounted upon a pin or machine-screw 7, let into the side of the standard 1, meshes with the teeth of the bevel-pinion 4 and is provided with a handle 8, by means of which it is rotated upon its support 7 when it is required to turn the spindle 5 and the swab, brush, or scraper carried thereby. The outer end of the spindle 5 is provided with a chuck of any desired pattern to

receive the shank of the swab 9, and, as shown, an opening is provided in the spindle to receive the shank of the swab, and a binding-screw 10 is supplied and mounted in a threaded opening extending laterally through a portion of the spindle, so as to bear at its inner end against the shank of the swab and hold the latter in position.

The clamp 2 is preferably an integral part of the standard 1 and is provided with the usual binding or thumb screw 11, by means of which the standard is secured to a table, bench, or similar support.

For dry-cleaning, the stock or standard is applied to a support in an upright position, and the shell to be cleaned is placed over the swab, brush, or scraper, and the handle 8 is grasped in the right hand and turned, thereby rotating the swab within the shell and cleaning the latter. In the event of the shell being bottle-shaped it will have to be leaned so as to bring its walls or sides in engagement with the swab, as will readily suggest itself to the user. Suppose it be required to wash the shell. The stock or standard will be applied to its support in a pendent manner, and the end of the swab will dip into a pail of water, and the shell to be cleaned will be immersed in the said water and placed over the end of the swab and the latter will be rotated, as previously described, thereby effecting the desired result. In this position of the device the handle will be on the left-hand side. Hence it will be grasped by the left hand and the shell to be cleaned will be held by the right hand.

Having thus described the invention, what is claimed as new is—

The herein-described device for cleaning the shells of firearms, consisting of a standard having a bench-clamp at one end and a notch in its side near the opposite end, a pinion snugly fitting within the said notch, a spindle extending across the said notch and obtaining bearings in the standard upon opposite sides of the notch, and having the said pinion secured thereto, and having a chuck at its outer end, a gear-wheel journaled to that side of the standard having the notch

and meshing with the aforesaid pinion, and
provided with a handle whereby the said
gear-wheel can be turned upon its support to
impart a rotary movement to the said spindle,
5 and a cleaning-tool secured in the chuck of
the spindle, substantially in the manner and
for the purpose specified.

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

JOHN ELAM WHITEHEAD.

Witnesses:

V. W. DAVIS,
JOSEPH ALLEN.