

No. 819,555.

PATENTED MAY 1, 1906.

W. M. KENDALL.
TOBACCO PIPE CLEANER.
APPLICATION FILED JUNE 14, 1905.

Fig. 1.

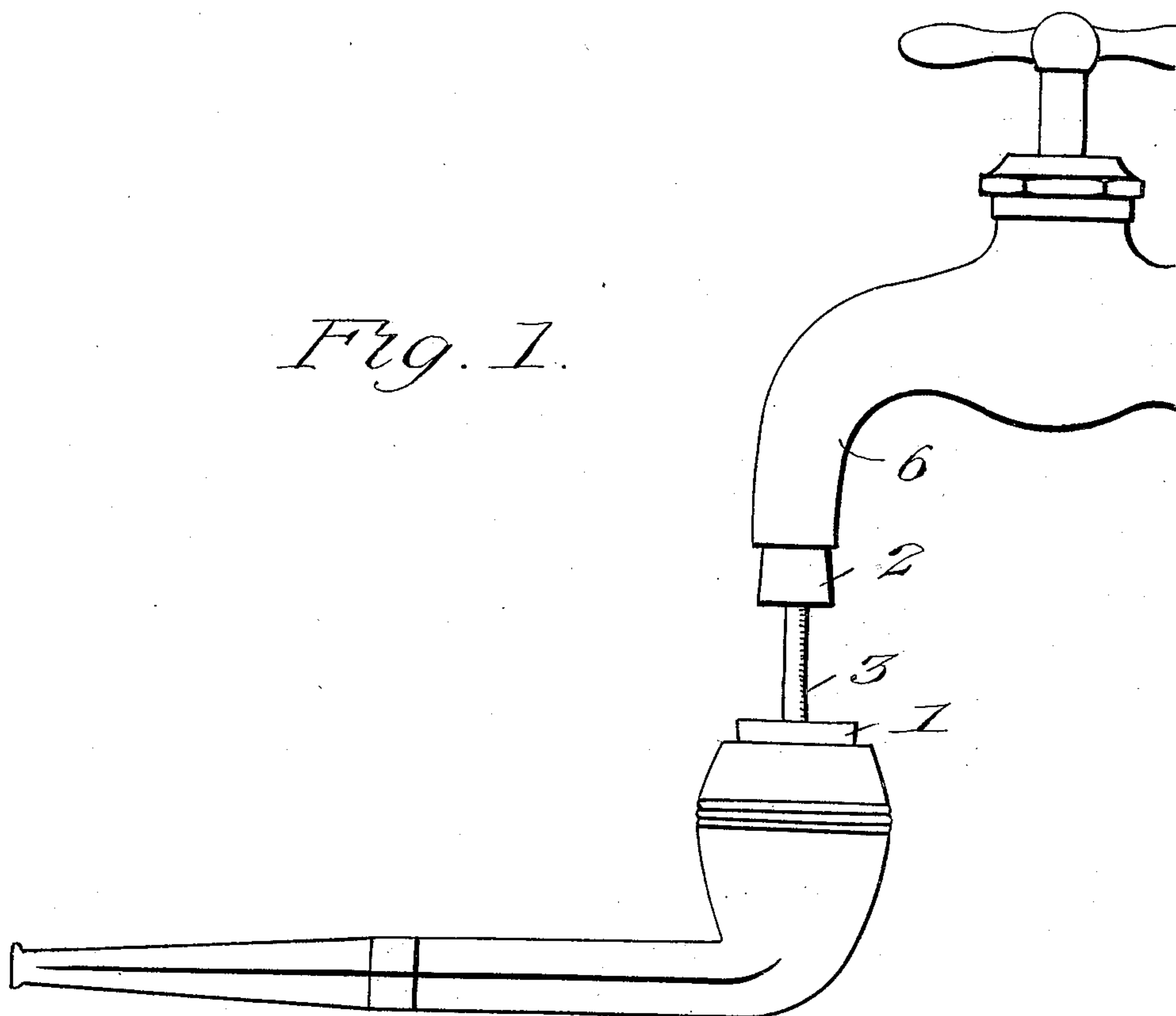
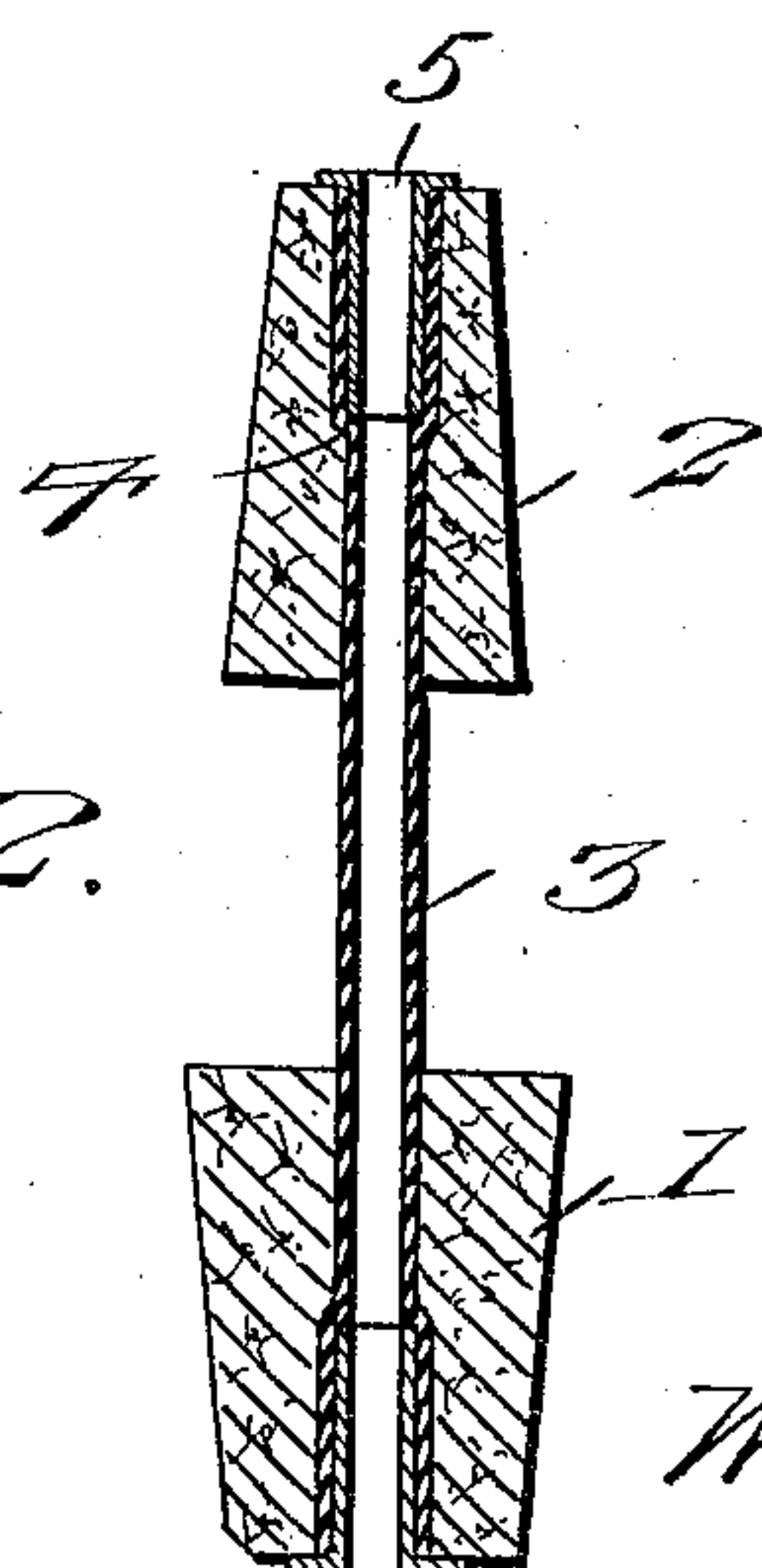


Fig. 2.



Witnesses

Wm. H. Kordt.
J. S. Elmore

Inventor
William M. Kendall,

By

Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

WILLIAM M. KENDALL, OF MANCHESTER, NEW HAMPSHIRE.

TOBACCO-PIPE CLEANER.

No. 819,555.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed June 14, 1905. Serial No. 265,190.

To all whom it may concern:

Be it known that I, WILLIAM M. KENDALL, a citizen of the United States, residing at Manchester, in the county of Hillsboro and State of New Hampshire, have invented new and useful Improvements in Tobacco-Pipe Cleaners, of which the following is a specification.

This invention relates to tobacco-pipe cleaners, and has for its objects to produce a comparatively simple inexpensive device of this character which may be readily applied for use, one whereby the pipe will be thoroughly cleansed, and one in which soiling of the fingers of the operator during the cleaning action will be obviated.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a side elevation of the device embodying the invention and showing the same applied for use. Fig. 2 is a central longitudinal section through the cleaner.

Referring to the drawings, it will be seen that my improved cleaner comprises a pair of engaging members in the form of heads or plugs 1 and 2, preferably composed of cork and connected by a flexible tubular element or duct 3 having its ends received by and suitably secured within central openings or passages formed through the heads.

The bodies 1 and 2, which are preferably of frusto-conical form, have their central openings, which receive the tube 3, enlarged at their outer ends to form shoulders 4 and are adapted to receive metal-retaining members or thimbles 5, designed to be entered into the ends of the tube 3 for clamping the latter in the bodies and against the shoulders 4, it being apparent that under this arrangement liability of the tube being accidentally with-

drawn from the bodies is obviated, while at the same time the parts may be quickly disconnected when desired or when circumstances require.

In practice the device is utilized for cleaning a tobacco-pipe by fitting the member or head 1 into the bowl of the latter and the head 2 into a water, steam pipe, or other suitable source of supply 6, whereby a liquid or fluid is injected under pressure through the tube 3 and pipe for cleansing the latter. As the liquid or fluid passes through the bowl and stem of the pipe it will cut the nicotine and other impurities therefrom and owing to the heads having tapered walls they may be tightly fitted into pipe-bowls and pipes of varying sizes.

From the foregoing it is apparent that I produce a comparatively simple inexpensive device admirably adapted for the attainment of the ends in view, it being understood that minor changes in the details herein set forth may be resorted to without departing from the spirit of the invention.

Having thus described the invention, what I claim is—

As a new article of manufacture, a pipe-cleaner comprising a pair of plugs having openings therethrough, said openings being enlarged at the normally outer ends of the plugs to form shoulders within the latter, a tubular element connecting the plugs and extended through the openings in the latter, and tubular clamping-thimbles seated in the element within the enlarged portion of the openings in the plugs for securing the element to the latter.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM M. KENDALL.

Witnesses:

ALBERT B. HAZEN,
M. F. DRISCOLL.