

G. J. WEYH.
STOVEPIPE CLEANER.
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Patented Sept. 21, 1909.

934,491.

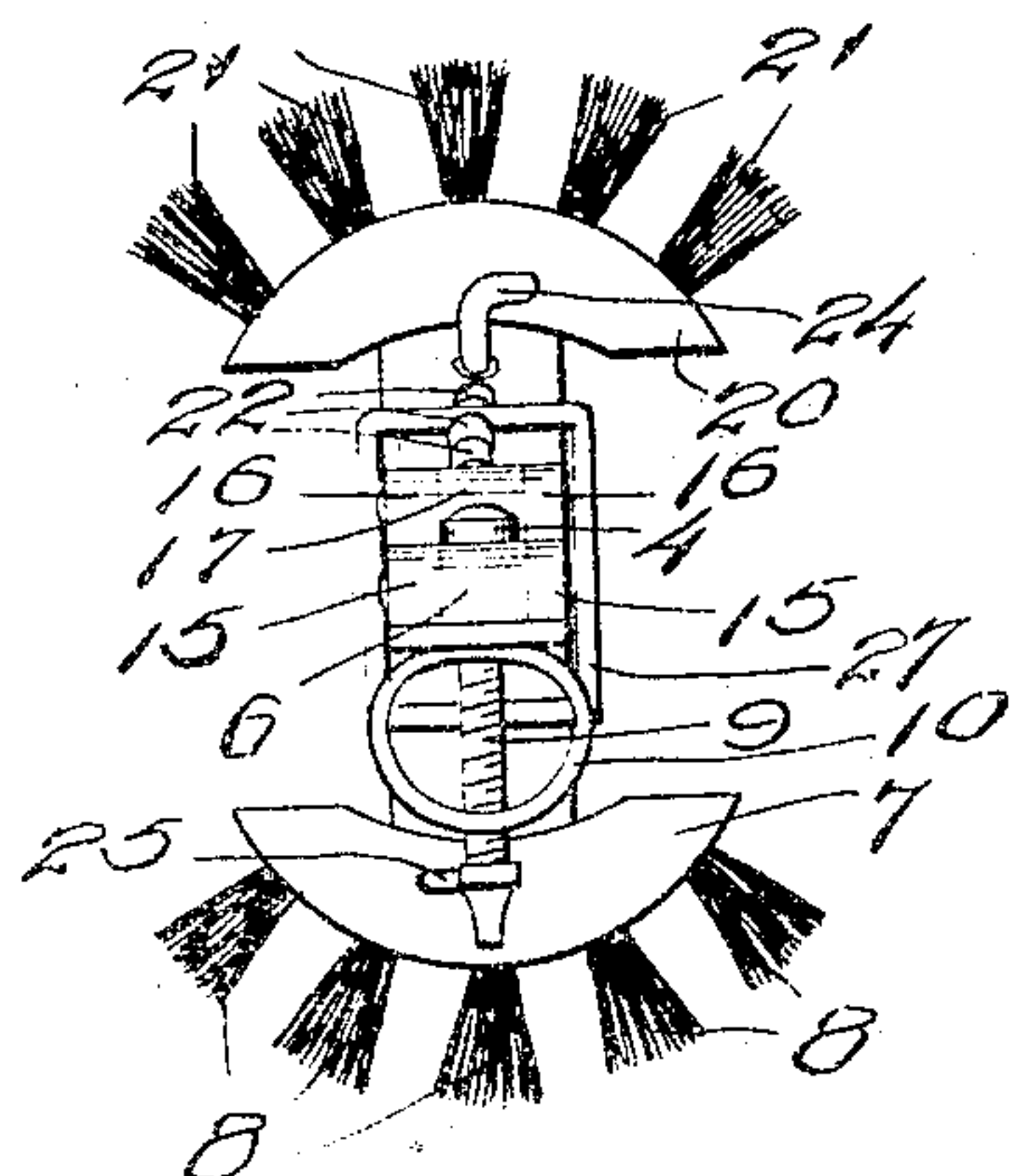
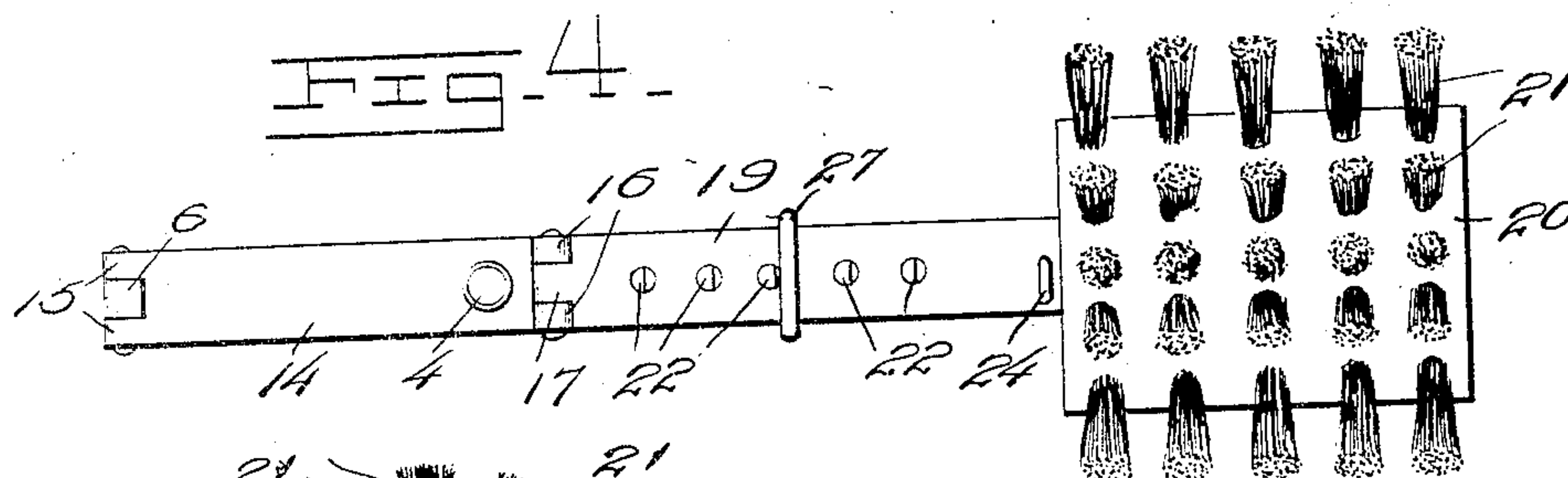
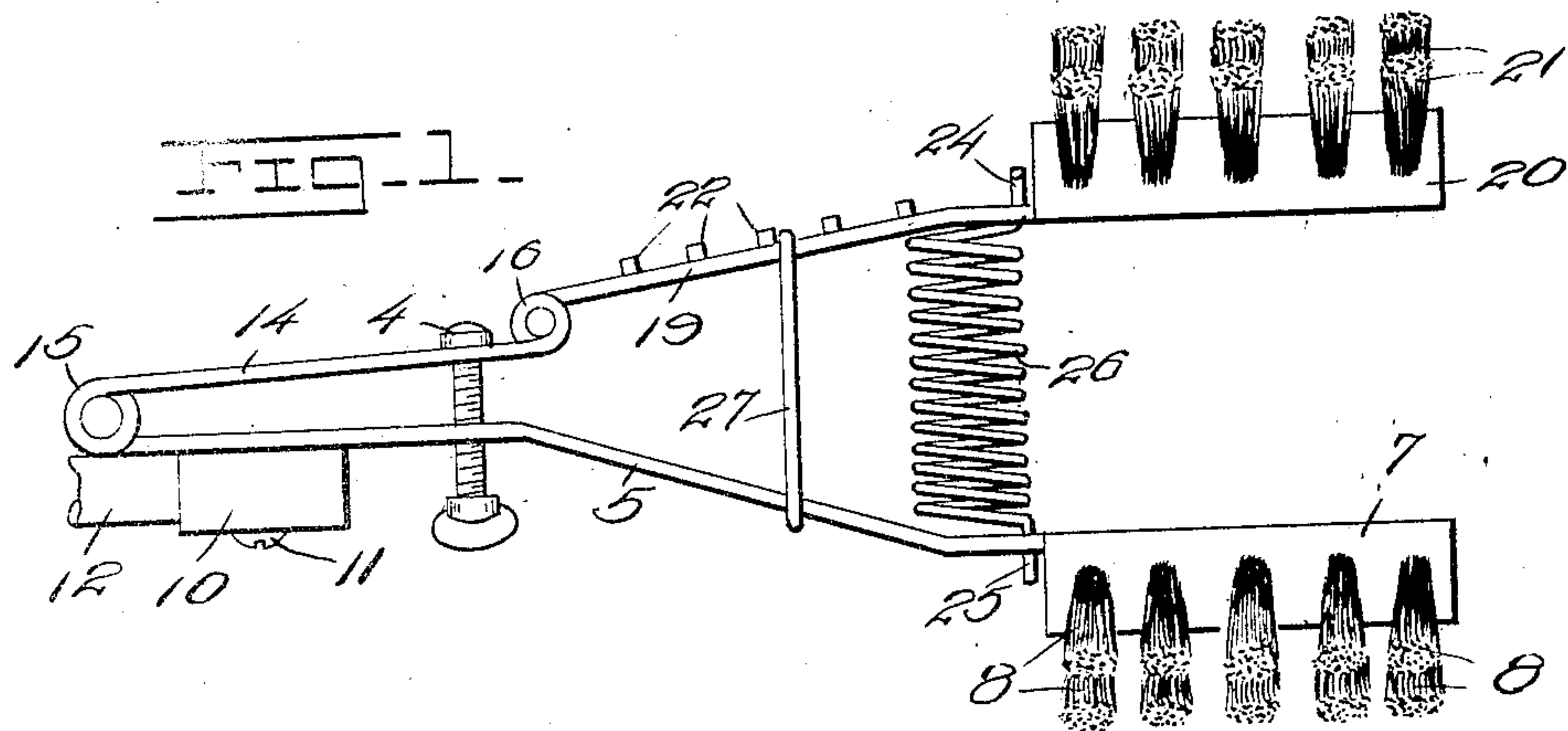


FIG. 2.

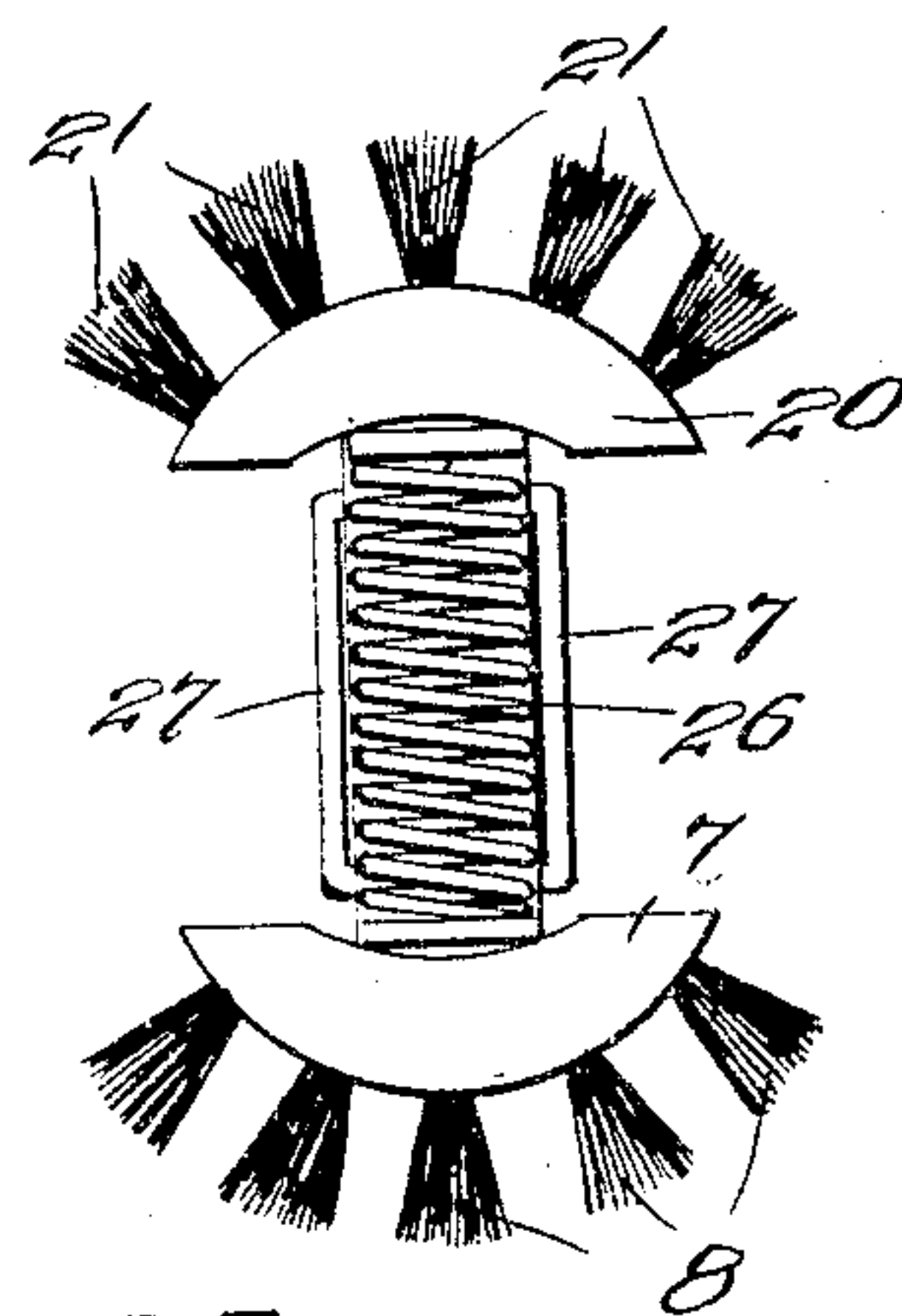


FIG. 3.

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UNITED STATES PATENT OFFICE.

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STOVEPIPE-CLEANER.

984,491.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE J. WEYH, a citizen of the United States, residing at Armour, in the county of Douglas and State of South Dakota, have invented certain new and useful Improvements in Stovepipe-Cleaners, of which the following is a specification.

This invention relates to a stovepipe and flue cleaner.

The object of my invention is, to provide a cleaner to be used for cleaning stove and similar pipes, so constructed that one cleaner may be used for cleaning different sized pipes.

A further object is, to provide a cleaner constructed so that the wear of the cleaning bristles or members may be compensated for.

Another object is, to provide a cleaner which may be contracted while being inserted into a pipe, and later be expanded after having been properly introduced into the pipe.

A still further object is, to provide a cleaner so constructed that the brush carrying members can at all times be adjusted to be held in true parallel relation.

With these and other objects in view, the present invention consists in the combination and arrangement of parts as will be hereinafter more fully described and particularly pointed out in the appended claims, it being understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a part of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 shows a side view of a pipe cleaner embodying my invention, Fig. 2 is an end view taken at the ferrule or staff receiving end, Fig. 3 is an end view taken at the brush end, Fig. 4 is a top view of a cleaner embodying my invention.

Stove pipes, and similar flues are usually made in different sizes, and to provide a pipe cleaner which can be adjusted to be used in connection with the smallest, as well as the largest size of stove pipe ordinarily used, is the aim of this invention.

In the accompanying drawings, 5 represents the main carrying member, which is formed of a spring metal strap bar, and at its lower end has the pin ear 6. The re-

maining end carries the semi-cylindrical brush head 7, having the steel wire or other suitable bristles 8. This yielding or resilient member, has a threaded opening, to receive the set screw 9, while at the hinged end, I provide the ferrule 10 having the screw 11, so that the handle or staff 12, may be properly secured to the cleaner. As shown in Fig. 1, this carrying member is bent obliquely outward at a point proximal to the screw 9.

Hingedly secured to the ear 6 is the arm 14 having the hinge ears 15 at one end and the hinge ears 16 at the opposite end, the hinge ears 16 receiving the hinge end 17, of the tilting, adjustable, resilient brush carrier 19 which is in the form of a strap metal bar. This carrier 19 has the brush head 20 provided with the bristles 21. The adjustable carrier 19 is provided with a plurality of studs or stop ears 22, made in stamping out a plurality of semi-circular metal sections, from the center of the bar, as shown in Fig. 4.

Both the carriers 5 and 19, have an aperture near the brush receiving end, through which apertures are directed the ends 24 and 25 of the protractile spring 26, so that these brush carrying members are normally pressed apart, and held in spaced relation to one another. Encircling the carrying members, is the shifting collar or yoke 27, in the form of a square frame made of wire, one straight section riding upon and against the member 5, and the other being adjustably held upon the member 19, between the studs 22, as shown. The set screw 9, which carries the end of the arm 14, threads through the member 5, its end being swiveled to the arm 14 by means of the head 4, so that these two members are loosely, but positively connected to one another. The link 27 serves as a fulcrum, in that the spring 26 normally forces the member 19 against this link. No movement is permitted the arm 14, except through the operation of the set screw 9.

The operation of my device is very simple. The cleaner is set to the required size, by compressing the members 19 and 5 and slipping the link 27 so that it is held against the proper stud 22. The screw 9 is then turned to raise or lower the arm 14, which will result in the tilting of the carrier 19, which rocks upon the fulcrum forming portion of the yoke 27, so that the brush head 20 may be brought parallel to the brush head 7.

In introducing the cleaner into a pipe, the

two head members are brought toward one another against the tension of the spring 26 until the brush has been properly inserted within the pipe when on being released these 5 brush heads are carried outward and held in spring pressed relation within the interior of the pipe.

Having thus described my said invention, what I claim as new and desire to secure by 10 United States Letters Patent is:—

1. A cleaner having in combination, a resilient brush carrying member, a second brush carrying member, an arm connecting said two members, means to adjustably hold said 15 arm, a yoke adjustably engaged with said members, and a spring to hold said members in spring pressed relation.

2. In combination, a resilient brush carrying member, an arm hingedly secured to said 20 brush carrying member, means to adjustably connect said arm to said member, a second brush carrying member hingedly connected to said arm and being provided with a plurality of upstanding studs, a yoke adjustably 25 working upon said two members and between said studs, and a spring interposed between said two members.

3. In combination, a brush carrying member, a staff receiving ferrule secured to said 30 member, a set screw carried by said member,

an arm hingedly connected to said member, said set screw having its end swiveled to said arm, a second brush carrying member provided with a plurality of upstanding studs and hingedly connected to said arm, a yoke 35 engaging said two members and being adjustably held between said studs, and a spring interposed between said two members.

4. In combination, a resilient brush carrying member, a brush secured to one end of 40 said member, a staff carrying ferrule secured to the opposite end of said member, a set screw carried by said member, an arm hingedly connected to said member, said set screw having its end swiveled within an opening in 45 said arm, a second brush carrying member of a length less than said first mentioned member hingedly connected to said arm and provided with a plurality of upstanding studs, a yoke adjustably engaging said two 50 members and held between said studs, a brush secured to said last mentioned member, and a spring interposed between said two brush carrying members.

In testimony whereof I affix my signature, 55 in presence of two witnesses.

GEORGE JOSEPH WEYH.

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