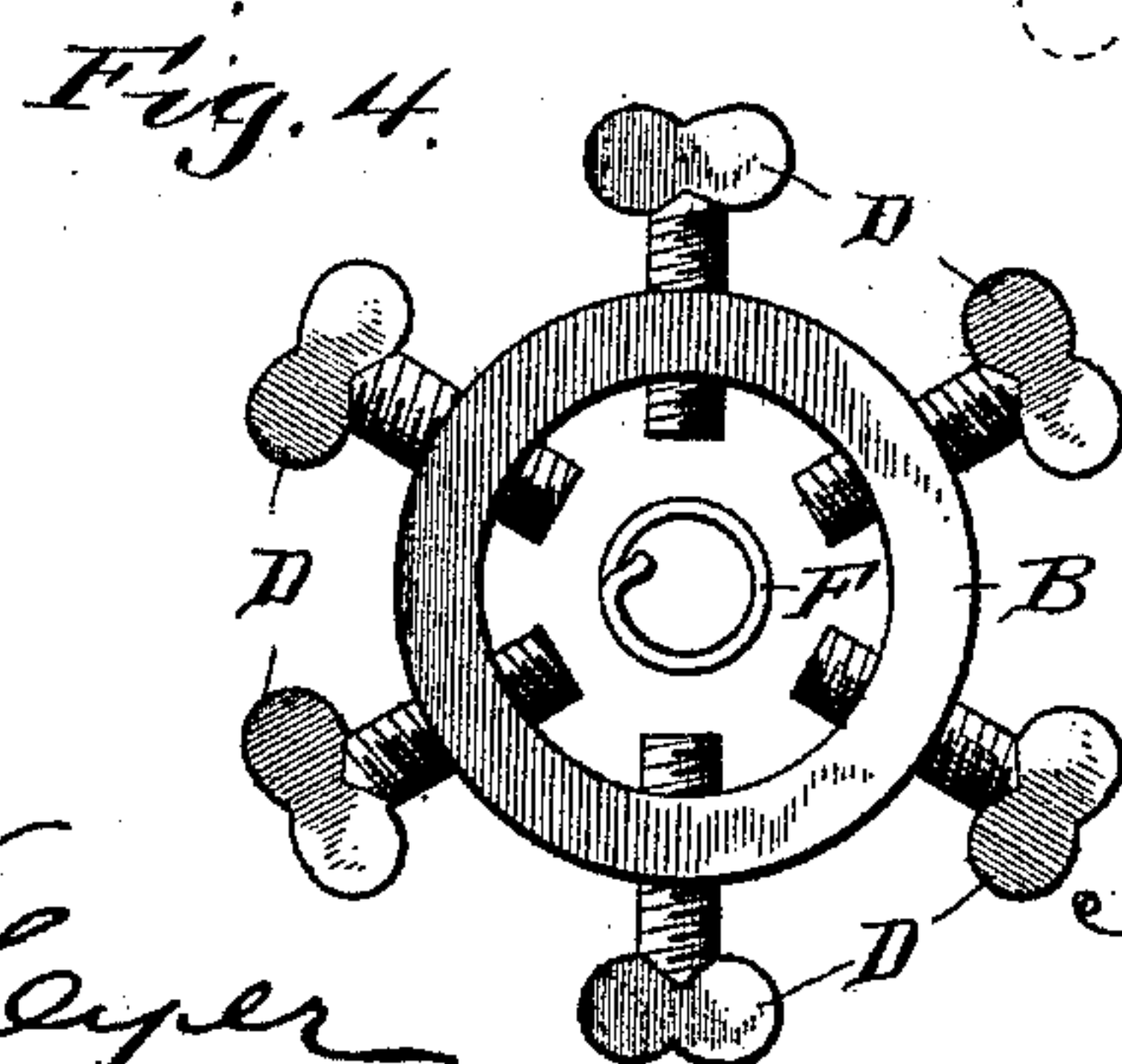
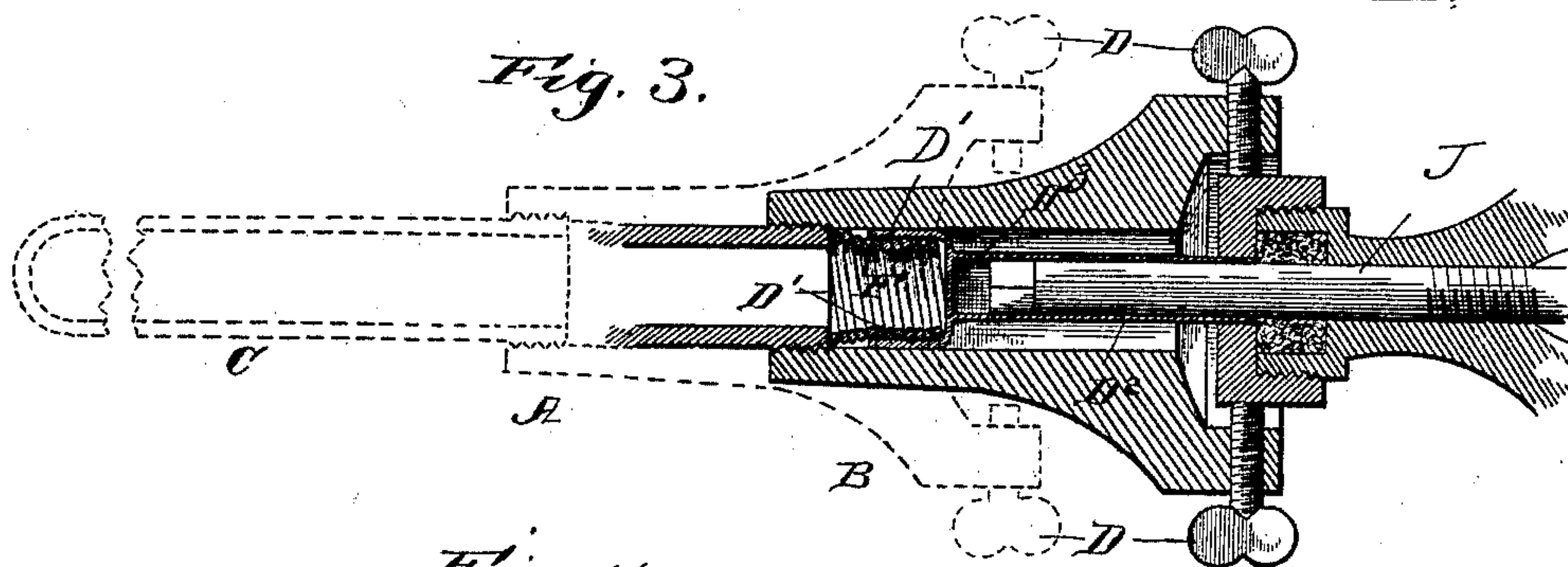
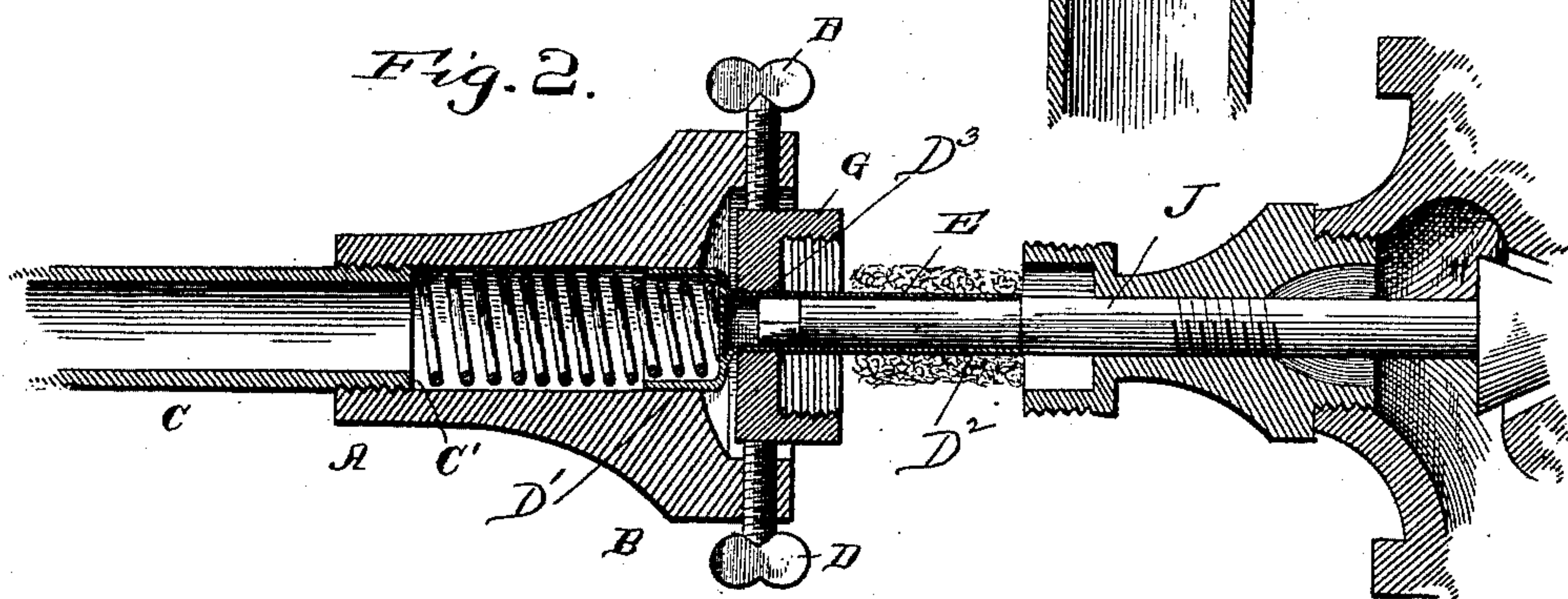
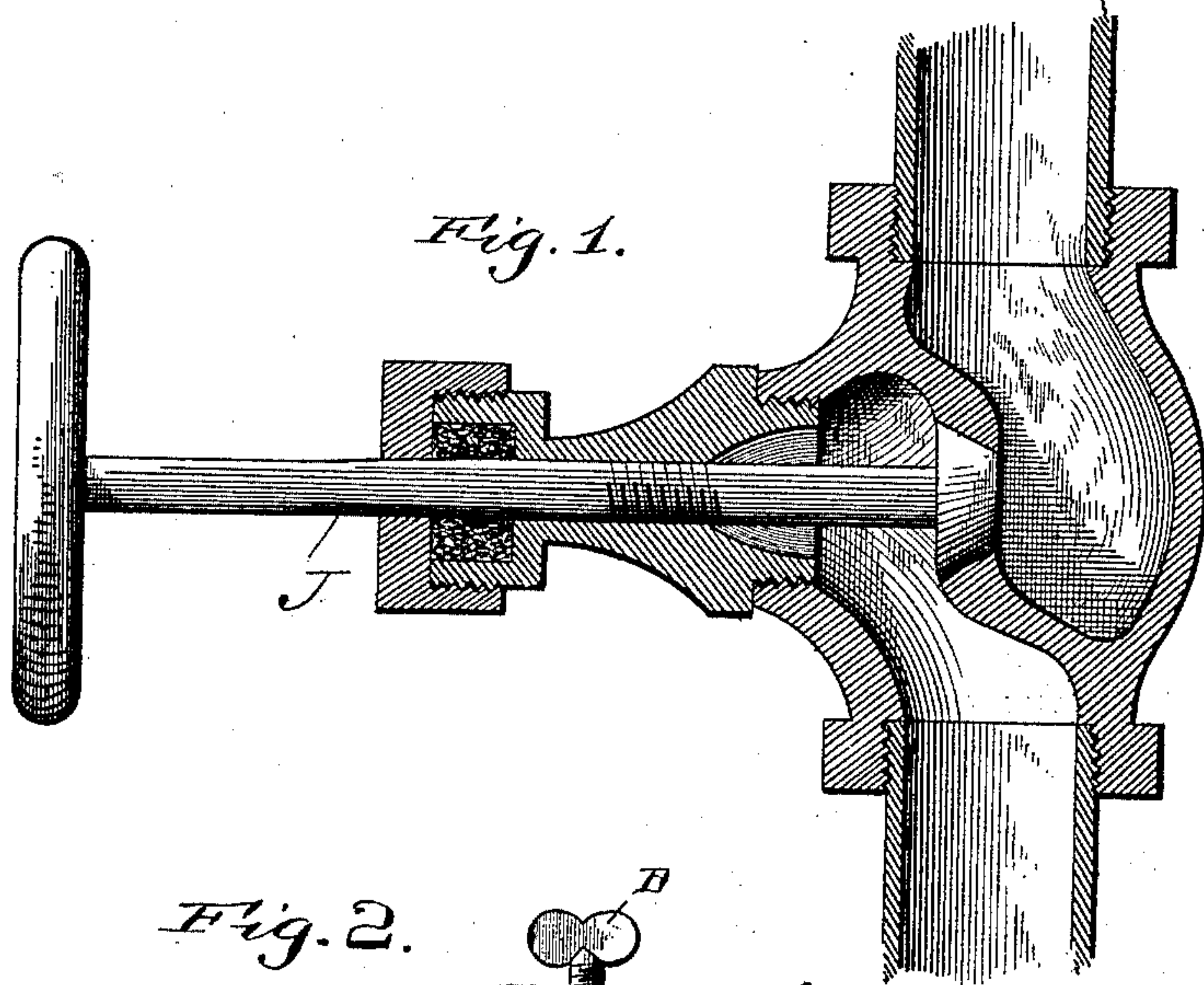


(No Model.)

J. W. STANTON.
DEVICE FOR PACKING STEAM VALVES.

No. 440,444.

Patented Nov. 11, 1890.



Witnesses:
J. B. McGinn.
Chas. S. Hoyer

John W. Stanton
Inventor:

By J. W. Moore,
Attorney.

UNITED STATES PATENT OFFICE.

JOHN W. STANTON, OF BELDING, MICHIGAN.

DEVICE FOR PACKING STEAM-VALVES.

SPECIFICATION forming part of Letters Patent No. 440,444, dated November 11, 1890.

Application filed July 1, 1890. Serial No. 357,335. (No model.)

To all whom it may concern:

Be it known that JOHN W. STANTON, a citizen of the United States, residing at Belding, in the county of Ionia and State of Michigan, have invented certain new and useful Improvements in Devices for Packing Steam-Valves; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in devices for packing steam-valves or for placing the packing in the packing-nut of steam or other valves.

The object of the invention is the provision of a device by which the packing may be fitted in or placed in the nut in a more efficient and rapid manner than has heretofore been accomplished.

A further object of my invention is the provision of a device of the character and for the purpose named which will be of simple and durable construction and inexpensive of production.

To attain the desired objects my invention consists of a device constructed substantially as herein illustrated, described, and specifically defined and distinguished by the claims.

Figure 1 represents a vertical sectional view of a valve of ordinary construction with the packing applied to the nut. Fig. 2 represents a sectional view of my improved device for packing the nut, illustrating one step of the manner of performing the packing. Fig. 3 represents a similar view after the packing has been fitted. Fig. 4 represents an end view of the cap.

Referring to the drawings by letter, in which similar letters denote corresponding parts, the letter A designates the cap formed with the tubular extension B, the inner end of which is provided with interior screw-threads for securing it to a pipe C or other cylindrical object. The forward end of the cap is flaring or enlarged, and in the periphery thereof is provided a series of screw-threaded openings to receive clamping-screws D, in this instance six being employed, although it is im-

material how many are used. A tube or thimble E is placed in the bore or passage of the cap, which thimble is made of tin or other thin sheet metal, and has the inner portion D', which fits in the cap, of somewhat greater diameter than the outer projecting portion D², and the tube or thimble is further provided with a division-plate D³, against which the outer end of a spiral spring F bears, the inner end whereof bears against the shoulder C', formed on the pipe C. The packing-nut G is slid over the projecting end D² of the thimble and is retained in place in the cap by the clamping-screws D.

When it is desired to fit the packing to the nut, the nut is slid over the thimble, as stated, and secured in place. The packing H is placed on the end of the thimble. The valve-stem J enters the outer projecting end of the thimble. The packing-nut is then forced to its place, and the packing is pushed into the nut around the valve, as shown. The packing-nut is removed, the wheel placed on the valve-stem, and the device is ready for use, as will be readily understood from the foregoing description, taken in connection with the accompanying drawings.

It is evident that by my device the packing can be quickly placed in the nuts in a perfect manner; also, that it is an inexpensive device, can be used by any one, and will save a large amount of time and labor.

I would have it understood that I do not limit myself to the exact form and proportion of parts, as minor changes may be made therein without departing from the spirit or sacrificing any of the advantages of my invention.

One of the particular advantages of my device is that the valves may be packed while in actual use, and thus avoid removing the same, which, as is evident, saves a vast amount of time and labor.

I claim as my invention—

1. A device for packing steam-valves, consisting of a cap, a thimble fitting in said cap to receive the packing-nut, and means for clamping the nut on the thimble.

2. A device for packing steam-valves, consisting of a cap, clamping-screws arranged in said cap, and a thimble having one end fitting

in the cap and the outer end reduced and projecting outward from the cap.

3. A device for packing steam-valves, consisting of a cap, a tube to which said cap is
5 secured, a thimble having one end fitting in the cap and the other end receiving the nut, a spring arranged in the cap and bearing against the thimble, and clamping means car-

ried by the cap for holding the nut on the thimble.

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

JOHN W. STANTON.

Witnesses:

SAMUEL A. WALKER,
ALBERT WALKER.