

(No Model.)

C. JENKINS.
Gage Cock.

No. 232,724.

Patented Sept. 28, 1880.

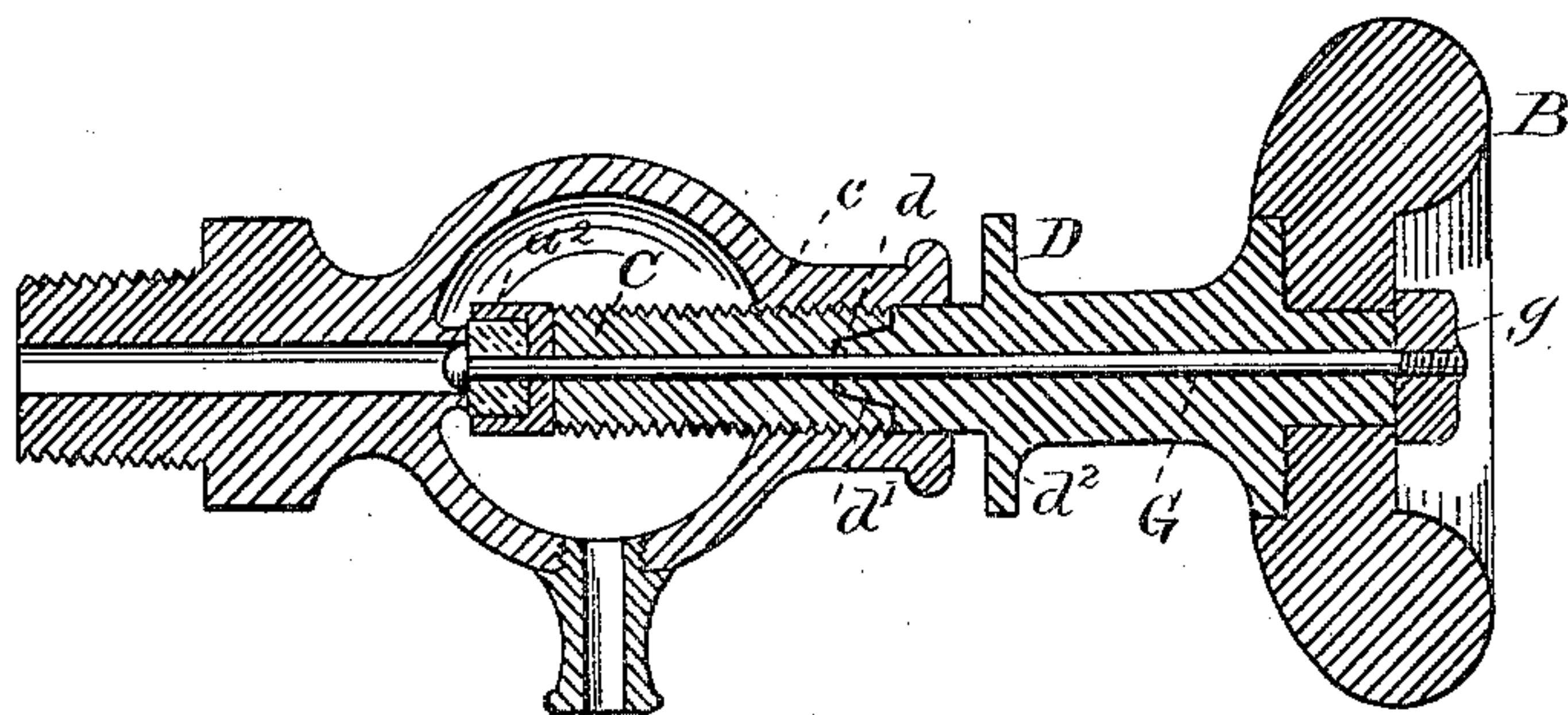


Fig. 1.

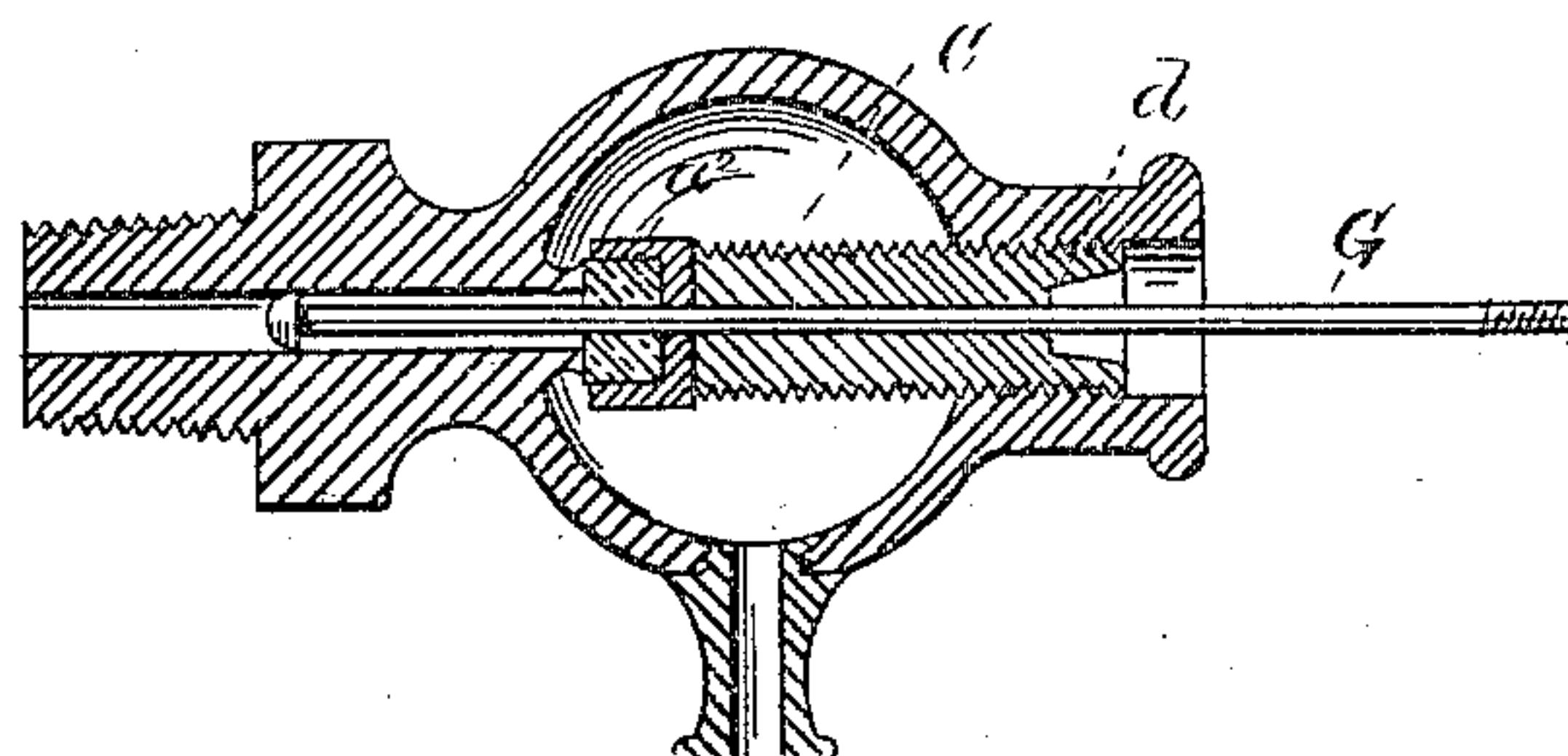


Fig. 2.

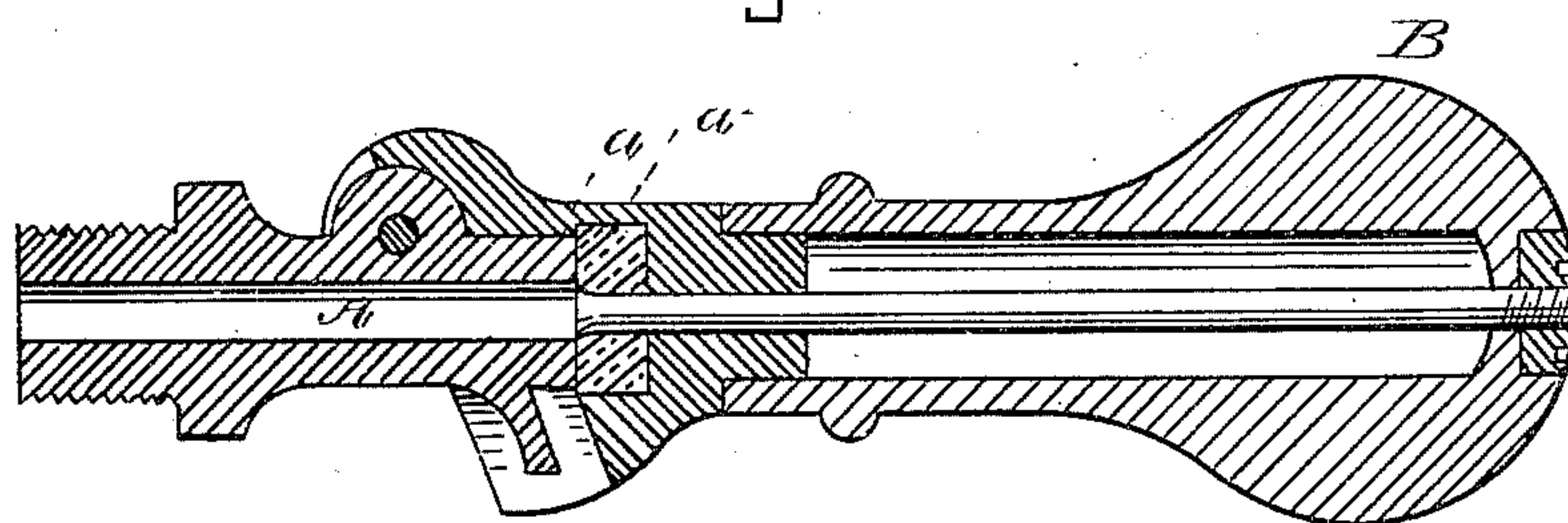


Fig. 3.

WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

CHARLES JENKINS, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF
OF HIS RIGHT TO ALFRED B. JENKINS, OF SAME PLACE.

GAGE-COCK.

SPECIFICATION forming part of Letters Patent No. 232,724, dated September 28, 1880.

Application filed July 26, 1880. (No model.)

To all whom it may concern:

Be it known that I, CHARLES JENKINS, of Boston, in the county of Suffolk, in the Commonwealth of Massachusetts, have invented
5 an Improvement in Gage-Cocks, of which the following is a specification.

This invention has for its object the following-described improvement in gage-cocks, reference being had to the accompanying drawings, forming a part of this specification, in
10 explaining its nature, in which—

Figure 1 is a vertical section illustrating the application of my invention to a gage-cock known as the "compression" gage-cock. Fig.
15 2 is also a vertical section, representing the handle and its spindle removed and the rod in use. Fig. 3 represents a vertical section of a ball gage-cock constructed to employ my invention.

20 It is very desirable to provide a gage-cock with means whereby the steam or water way of the cock may be easily cleansed or freed from obstructions without opening the cock, and my invention relates to mechanism for
25 accomplishing this purpose.

A represents the steam or water way of the cock; B the handle. a is the stationary seat of the cock, and a' is the movable seat or valve, which, preferably, should consist of an
30 elastic packing, or packing which is elastic at steam-temperature. a^2 is a metallic cup for holding the packing.

C is a screw-stem, which screws in the neck c of the cock. D is a handle, which is pro-
35 vided with the projection or nub d , which enters a recess, d' , corresponding in shape in the end of the screw-stem, and which may also be provided with the shoulder d^2 .

The packing, its cup, the handle, and its
40 stem are fastened together by the rod G, which is enlarged upon its inner end, and is provided with a screw-thread upon its outer end, and by the nut g , which screws upon the said thread.

45 The rod G is used not only for the purpose of holding the parts, as above stated, but also for the purpose of removing obstructions from the steam or water way A, and when thus employed the nut g is removed. The handle

B and spindle D, when employed, are re- 50
moved, and the rod reciprocated in the steam-
way without otherwise disturbing the cock
and without opening it.

When the packing a' is used it serves as a
stuffing-box in preventing the steam from es- 55
caping while the rod is being used to clean
the steam or water way.

In lieu of the construction shown in Fig. 1,
which is substantially that of a compression-
cock, the construction shown in Fig. 3, known 60
as the "ball gage-cock construction," may be
employed with the modifications herein men-
tioned.

In lieu of the packing a^2 , any suitable stuff-
ing-box or packing may be employed for pre- 65
venting the escape of steam while the rod is
being reciprocated, and the cup for holding
the packing may be fastened in any desirable
way to the end of the stem C, or may be
70 formed therein. The advantages of this con-
struction are manifest.

Of course the clearing-rod G may be ex-
tended beyond the end of the handle suffi-
ciently to be operated without removing the
handle, that the same need not be employed 75
for the purpose of fastening the handle to the
disk-holding devices, and that the handle may
be secured by independent means to them,
the rod being used merely for the purpose of
clearing the passage, and being supported by 80
the disk-holding devices and the handle, of
either, when not in use.

Having thus fully described my invention,
I claim and desire to secure by Letters Patent
of the United States— 85

1. A steam gage-cock provided with a rod,
G, adapted to be used alternately either for
fastening the handle of the valve-holding de-
vices or for clearing the steamway, substan-
tially as and for the purposes described. 90

2. In a gage-cock, the combination of a de-
tachably handle or handle and spindle, de-
vices for holding the valve to its seat, and
the rod G, for fastening the handle to the said
valve-holding devices, and adapted to be used 95
in clearing the passage C, substantially as de-
scribed.

3. In combination with a gage-cock, a rod,

G, for clearing the steamway, adapted to be operated upon the removal of the handle, substantially as and for the purposes described.

4. The combination of a gage-cock with a
5 rod, G, for clearing the passage, supported without the passage when not in use by the valve-holding devices and handle, or either,

substantially as and for the purposes described.

CHARLES JENKINS.

Witnesses:

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