

(No Model.)

D. H. ROBERTS.
GAGE COCK.

No. 406,956.

Patented July 16, 1889.

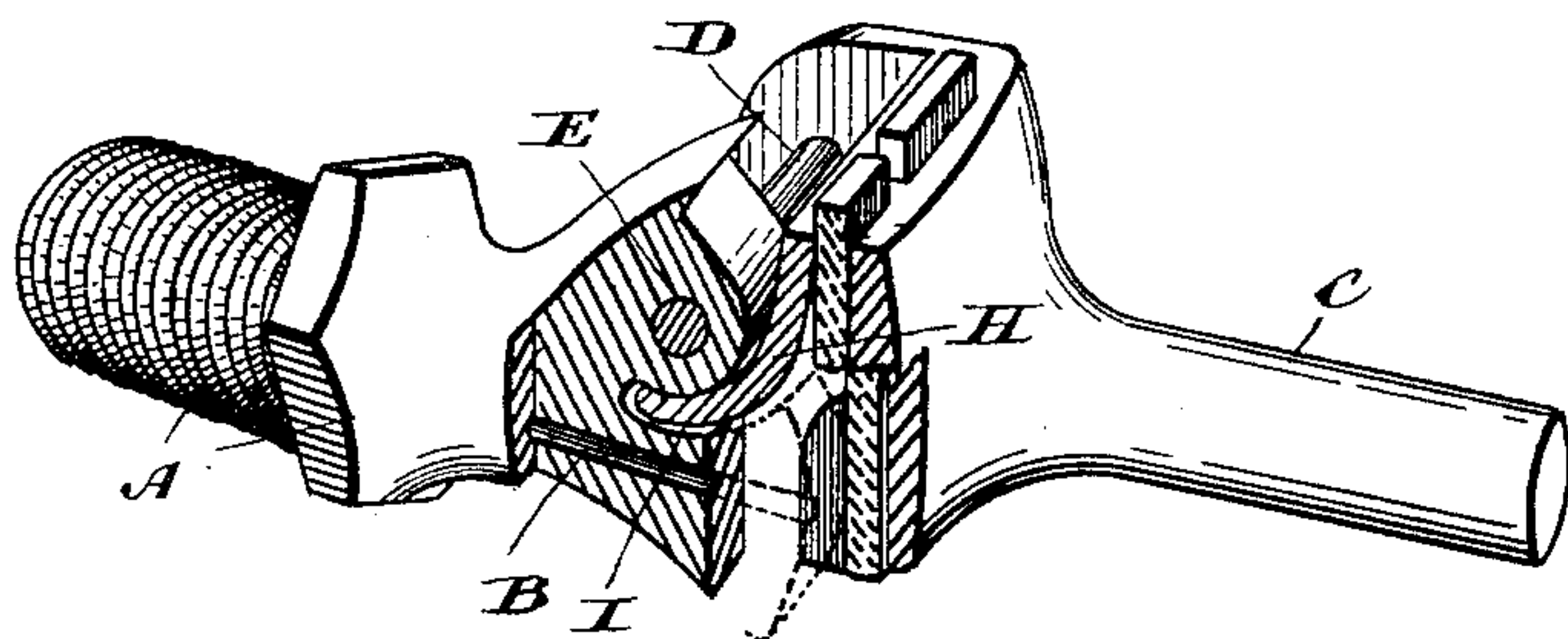


Fig. 1.

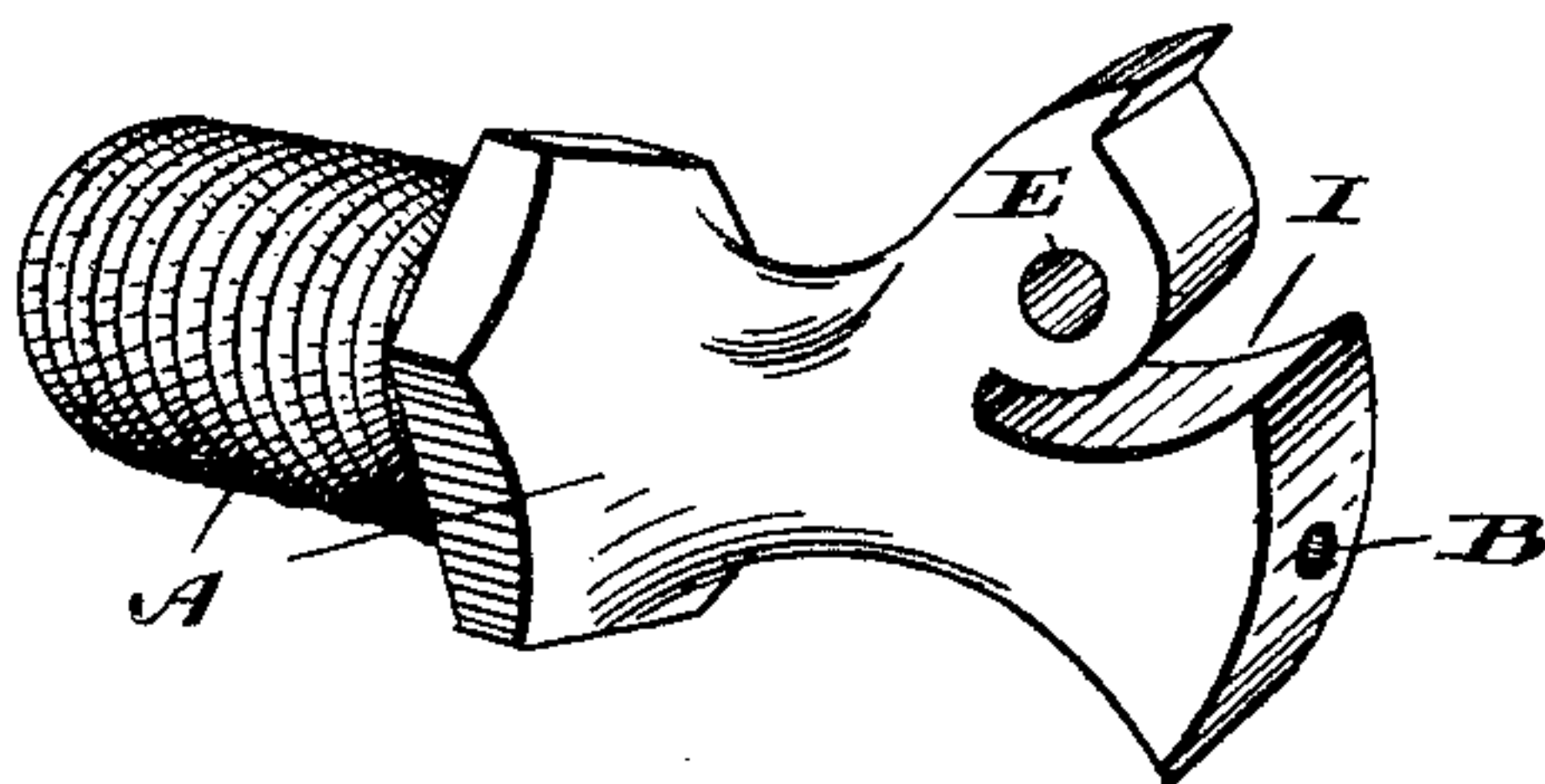


Fig. 2.

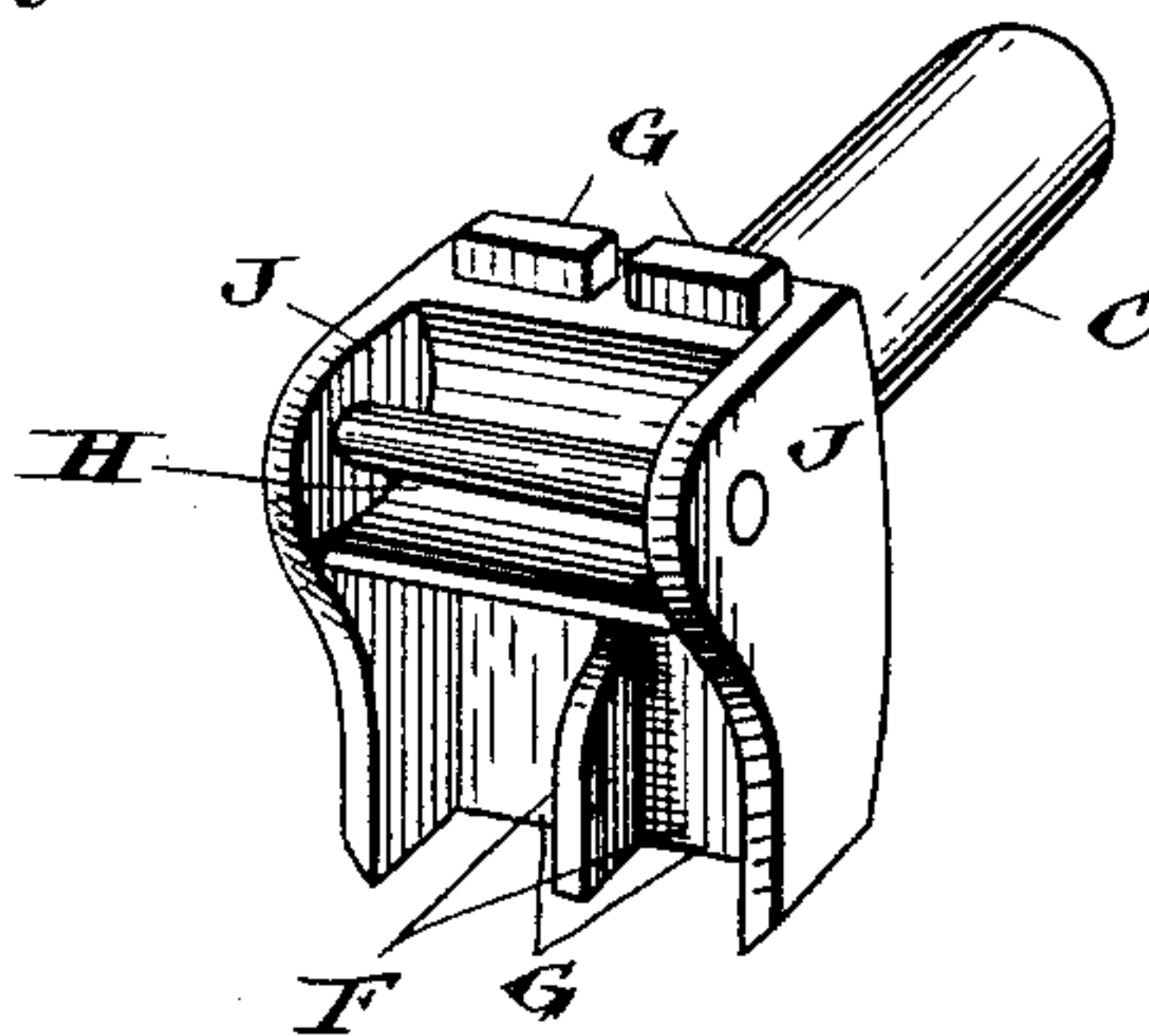


Fig. 3.

Witnesses.

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UNITED STATES PATENT OFFICE.

DUGALD H. ROBERTS, OF WALLACEBURG, ONTARIO, CANADA, ASSIGNOR OF
ONE-HALF TO WILLIAM D. McRAE, OF SAME PLACE.

GAGE-COCK.

SPECIFICATION forming part of Letters Patent No. 406,956, dated July 16, 1889.

Application filed September 12, 1888. Serial No. 285,228. (No model.)

To all whom it may concern:

Be it known that I, DUGALD HARVEY ROBERTS, engineer, of the village of Wallaceburg, in the county of Kent, in the Province of Ontario, Canada, have invented a certain new and useful Improvement in Gage-Cocks, of which the following is a specification.

The invention relates to an improvement upon a gage-cock patented by me in the United States on the 23d August, 1887, under No. 368,899; and the object of the present invention is to protect the pin on which the adjustable handle is pivoted and prevent the same being corroded, and to enable the operator to oil the pin, if necessary.

The invention consists, essentially, in forming a partition immediately below the pin, so as to separate the latter from the steam or water passage-way through the cock, the whole being otherwise constructed substantially as hereinafter more particularly explained.

Figure 1 is a perspective sectional view of my improved gage-cock. Fig. 2 is a perspective detail of the portion of my improved gage-cock which screws into the boiler. Fig. 3 is a perspective detail of the pivoted head of the gage-cock.

I may state that the original invention covered by the patent herein referred to related to an improvement in that class of gage-cocks in which the passage-way leading to the boiler is closed by means of a pivoted weighted handle or head having a seat formed of rubber packing or similar material suitable for making a steam and water tight joint; and the improvement consisted in forming two or more seats on the face of the head, hinged to the gage-cock and adjustably connecting the said head to the portion of the cock which screwed into the boiler, so that either of the seats might be utilized for closing the passage-way leading to the boiler during the period that the packing in the other seat was being changed.

In practice I have found that the pin on which the adjustable head was pivoted became corroded by the action of the water escaping

from the boiler through the passage-way, and that as a consequence it was difficult to keep it clean and lubricated.

In the drawings, A represents the portion of the cock which screws into the boiler, through which portion the passage-way B is made.

C is the weighted head or handle, which is pivoted on the head C by means of the pin D, which is fixed to the head C, as indicated, and passes through a hole E, made in the portion A. The recesses F, made in the head C, are each designed to contain a piece of packing G, made of rubber or other suitable material, and forming a seat by which the passage-way B may be closed.

H is a curved partition attached to or forming part of the head C. This curved partition or guard is shaped to fit into a curved recess I, made in the portion A of the cock, immediately above the passage-way B, as indicated. The sides J of the head C serve to box in the ends of the partition H, and also to form lugs to which the pin D may be fixed. Owing to the location of the partition described, the pin D is completely protected from the steam and water escaping through the passage-way B.

What I claim as my invention is—

1. A gage-cock having two or more seats formed on the face of its pivoted head, in combination with a partition located between the passage-way and the pin on which the head is pivoted, substantially as and for the purpose specified.

2. A gage-cock having two or more seats formed on the face of its pivoted head, sides J formed on the said head to support the pin D, which passes through a hole E, made in the boiler portion A of the cock, in combination with the curved partition H, made in the head C and projecting into a curved recess I, located between the passage-way B and the pin D, as shown.

Wallaceburg, September 5, 1888.

DUGALD H. ROBERTS.

In presence of—

ALBERT LITTLE,
A. McRAE.