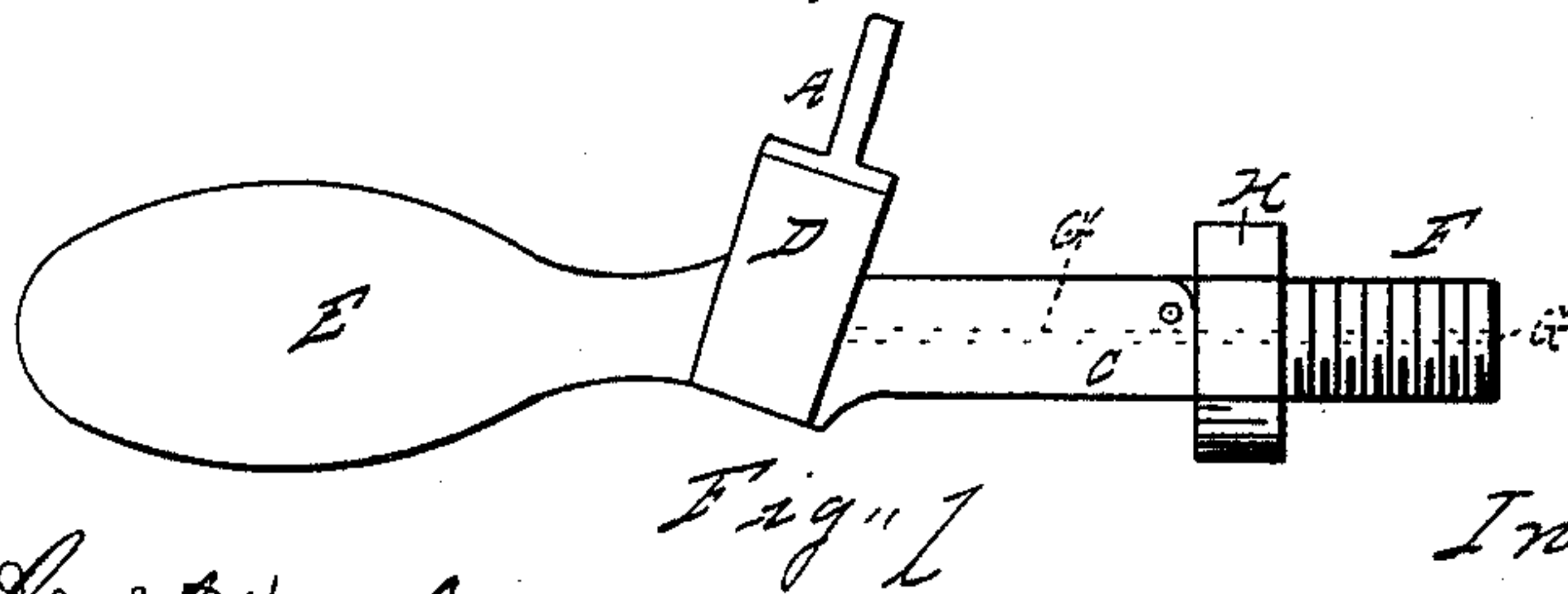
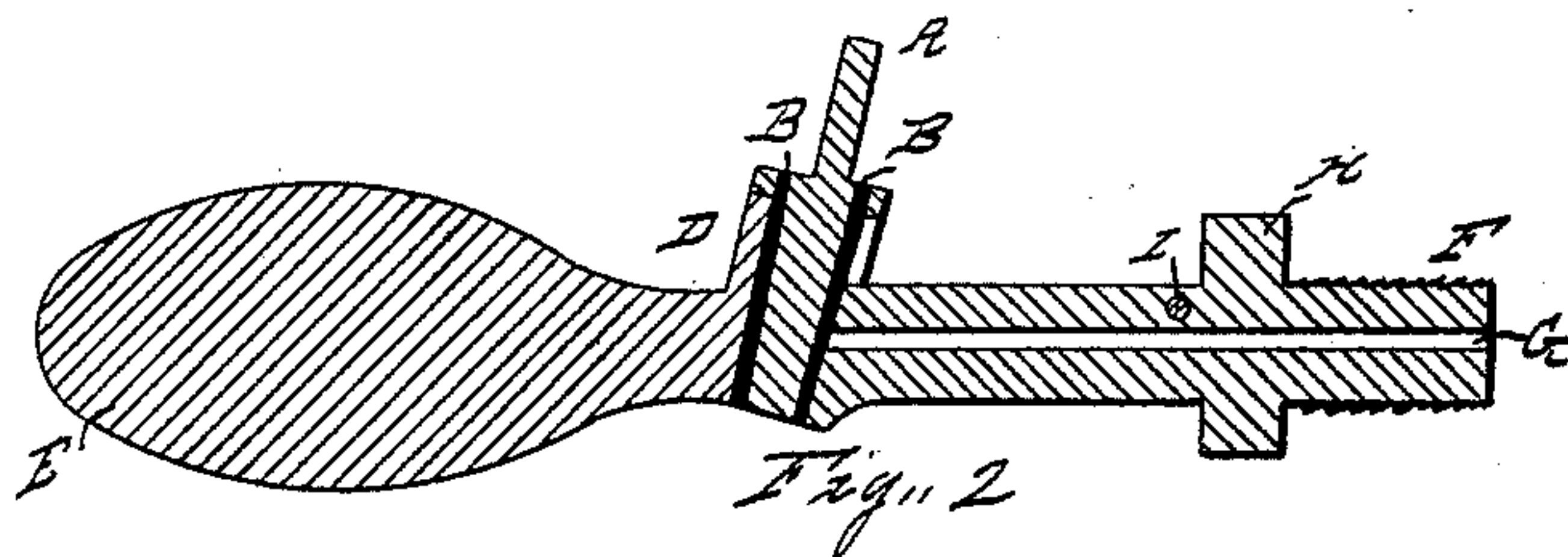
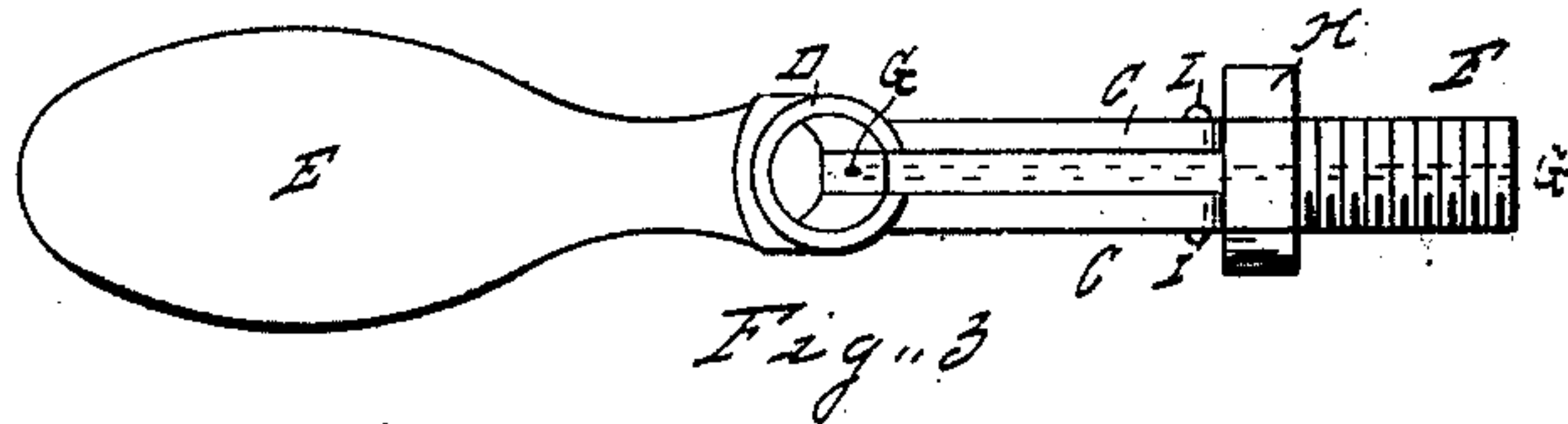
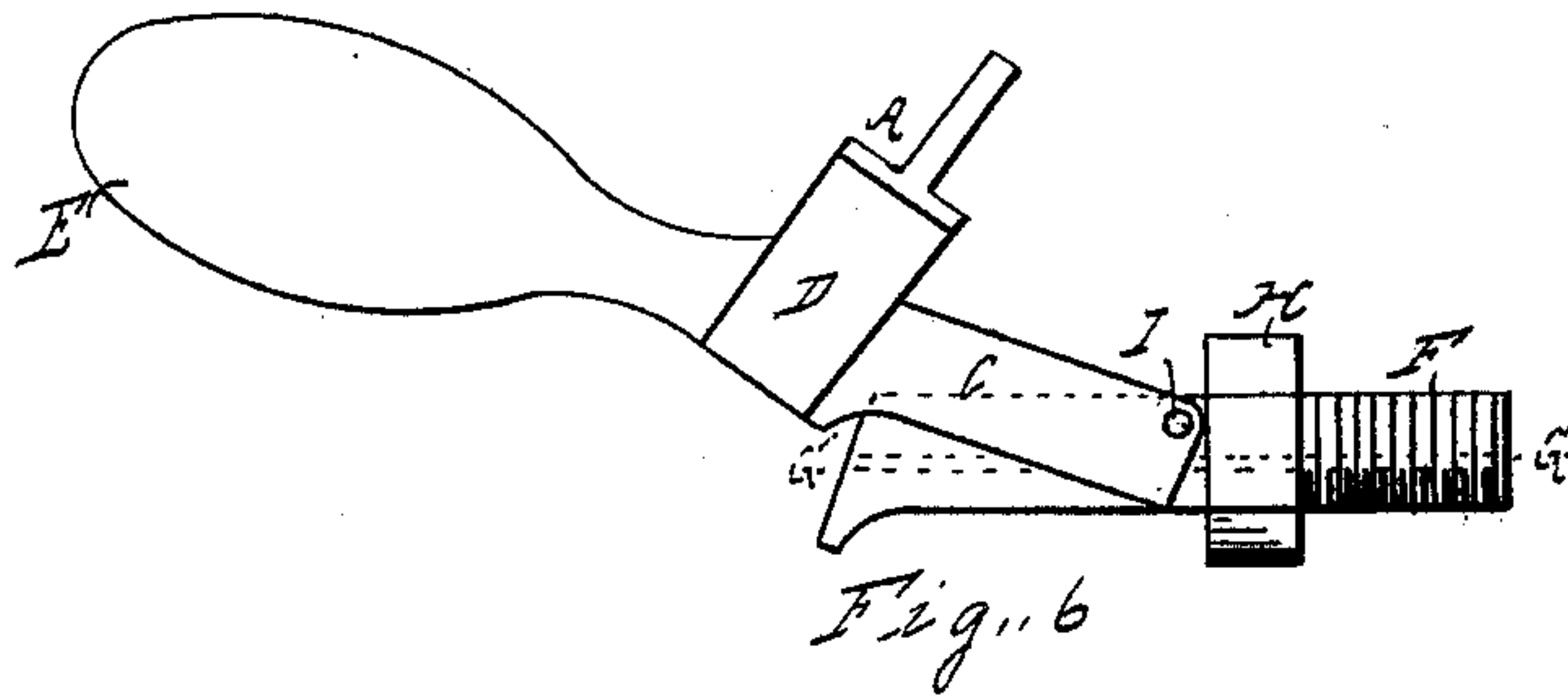
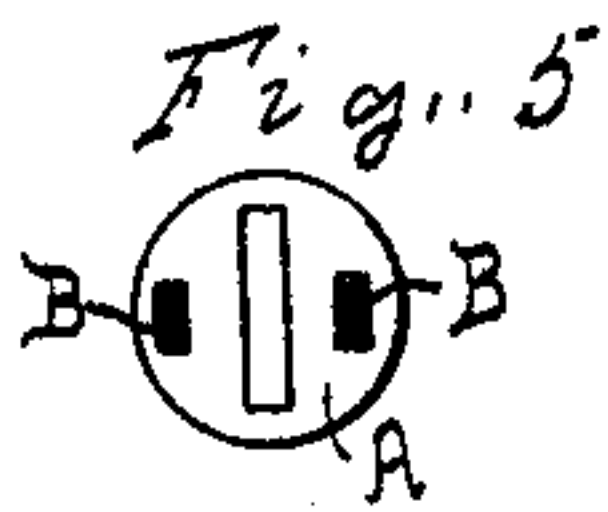
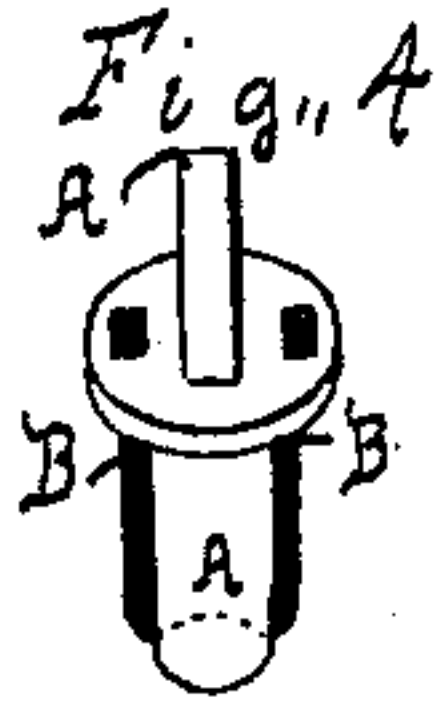


(No Model.)

J. G. FINDLEY.
GAGE COCK.

No. 414,034.

Patented Oct. 29, 1889.



Witnesses

Gertrude Aufersw.

Geo. H. Lothrop

Inventor

John G. Findley

by Geo. H. Lothrop

att'y

UNITED STATES PATENT OFFICE.

JOHN G. FINDLEY, OF WALLACEBURG, ONTARIO, CANADA.

GAGE-COCK.

SPECIFICATION forming part of Letters Patent No. 414,034, dated October 29, 1889.

Application filed June 29, 1889. Serial No. 316,026. (No model.)

To all whom it may concern:

Be it known that I, JOHN G. FINDLEY, of Wallaceburg, in the county of Kent, Province of Ontario, Canada, have invented a new and
5 useful Improvement in Gage-Cocks, of which the following is a specification.

My invention consists in an improvement in gage-cocks, hereinafter fully described and claimed.

10 Figure 1 is a side elevation; Fig. 2, a longitudinal vertical section; Fig. 3, a plan view, omitting the plug; Fig. 4, an elevation of the plug; Fig. 5, a plan view of the same; and
15 Fig. 6 is a side elevation of the cock, showing the swinging head elevated to permit escape of steam.

F represents the screw-threaded stem of the cock, having therein the longitudinal bore G and provided with the usual shoulder H for
20 screwing the same into the boiler.

C represents a swinging head having the weighted end E and pivoted to the stem F by the pin I.

Instead of having a simple seat in the head
25 C for the reception of packing to bear against the end of the stem F, I form in the head C the cylinder D, in which is inserted a plug A, formed like the plug of a stop-cock, and with a handle whereby the plug may be turned
30 and flatten the opposite sides of plug A, as clearly indicated in Fig. 5, to receive two separate and independently-removable packing-strips B, of rubber or other suitable substance. I preferably make each packing-strip a little
35 wider than the slot in head C, which embraces

the end of the stem F, so that said packing B is all times held in the cylinder D.

In use one strip of packing B rests against the end of stem F, closing the bore G in the ordinary manner. 40

When it becomes necessary to renew the packing in a gage-cock of an ordinary kind, the head C must be raised, and if there is steam-pressure on the boiler steam issues from the bore G with violence and the engineer is
45 liable to be scalded. With my invention all that is necessary is to turn the plug A until the other strip of packing B closes the bore G, when the worn-out strip of packing may be removed and a fresh piece inserted, the
50 gage-cock remaining closed.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a gage-cock, the combination of a hollow stem, a head pivoted to said stem, and a
55 rotary plug having separate and independently-removable packing-strips on two sides thereof, substantially as shown and described.

2. In a gage-cock, the combination, with the stem F, having therein the bore G, of the head
60 C, pivoted to said stem and having therein the cylinder D, and the rotary plug A, carrying the separate and independently-removable packing-strips B B, substantially as shown and described.

JOHN G. FINDLEY.

Witnesses:

M. DOYLE,
DANIEL DOBIE.