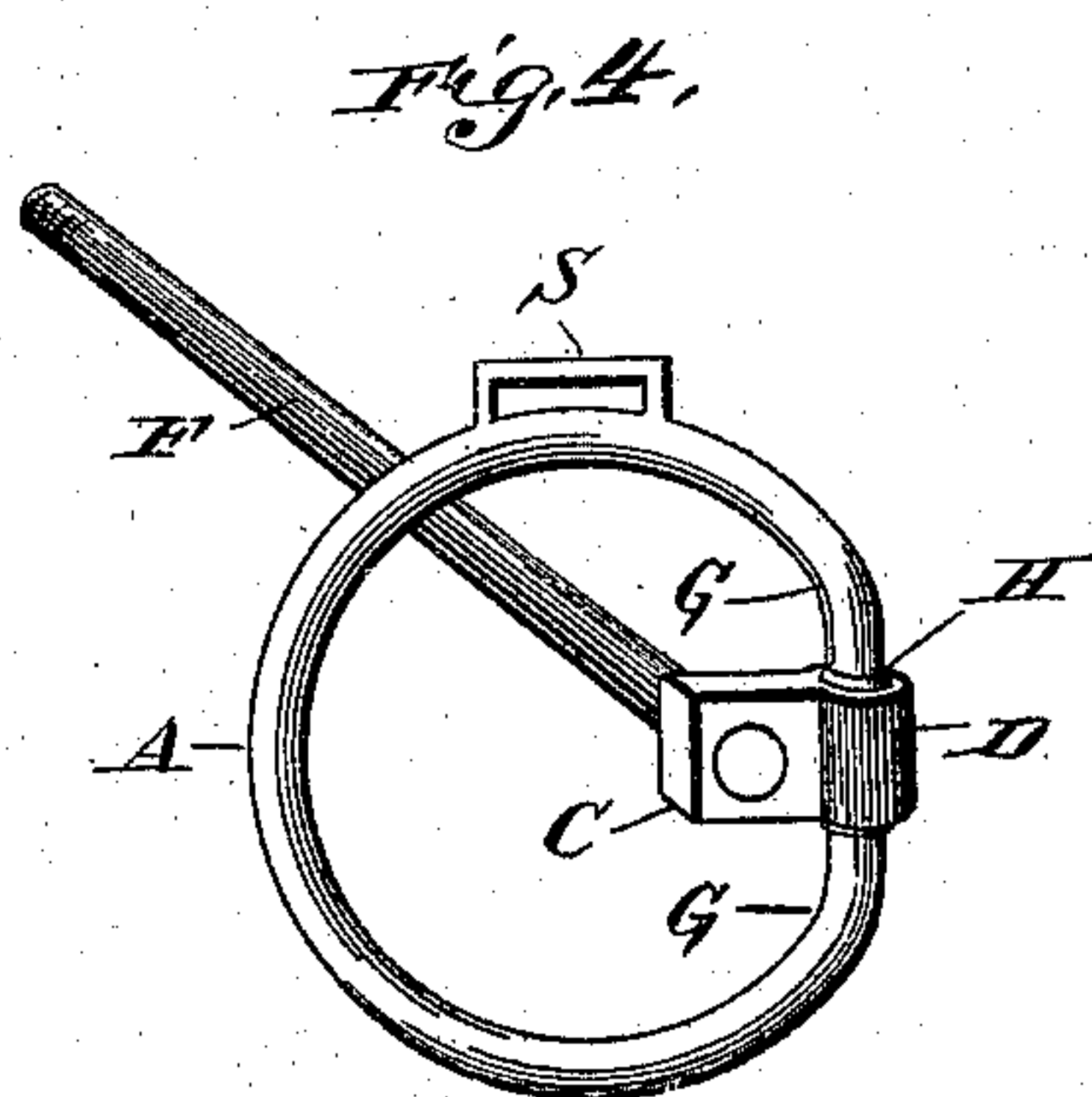
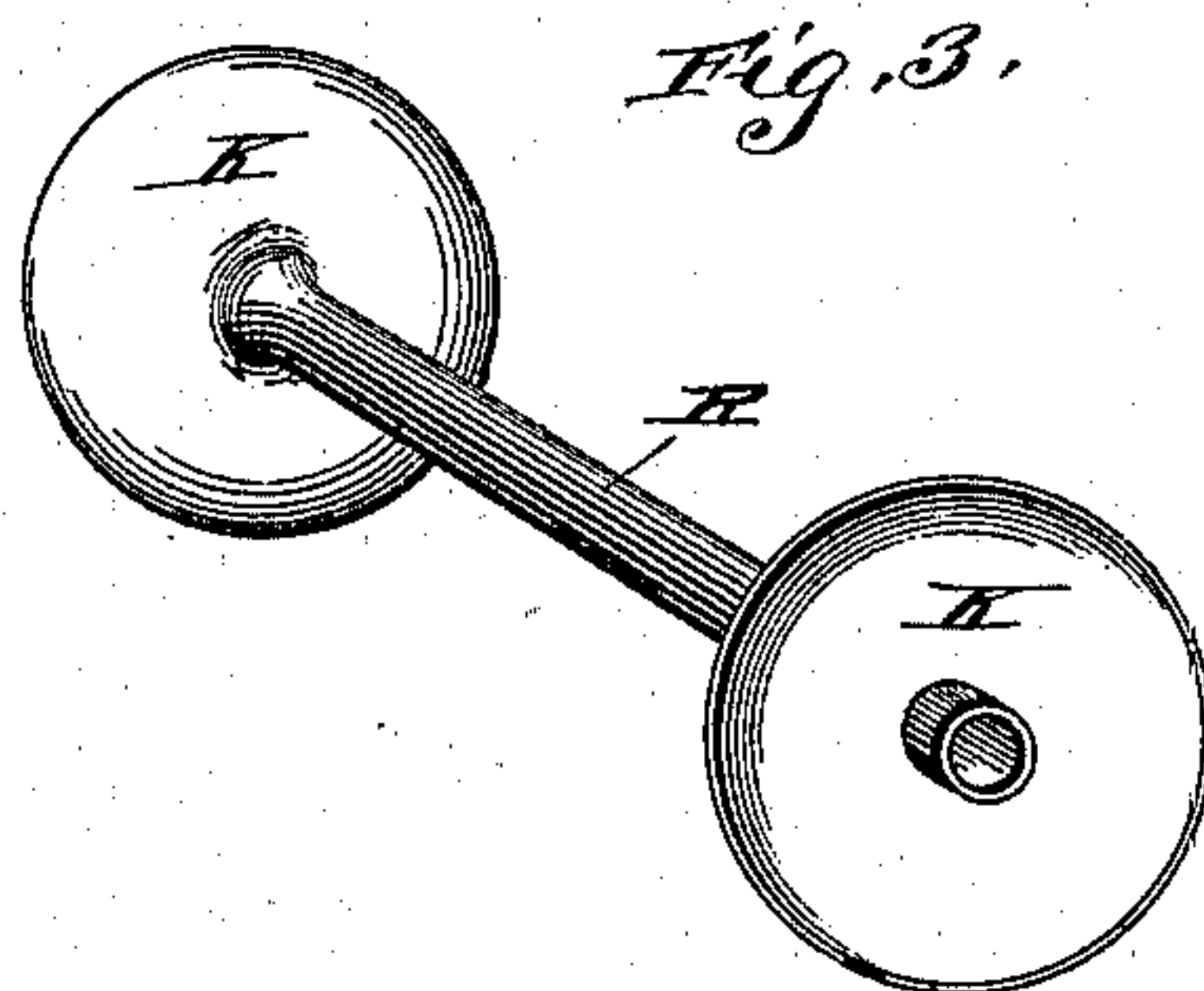
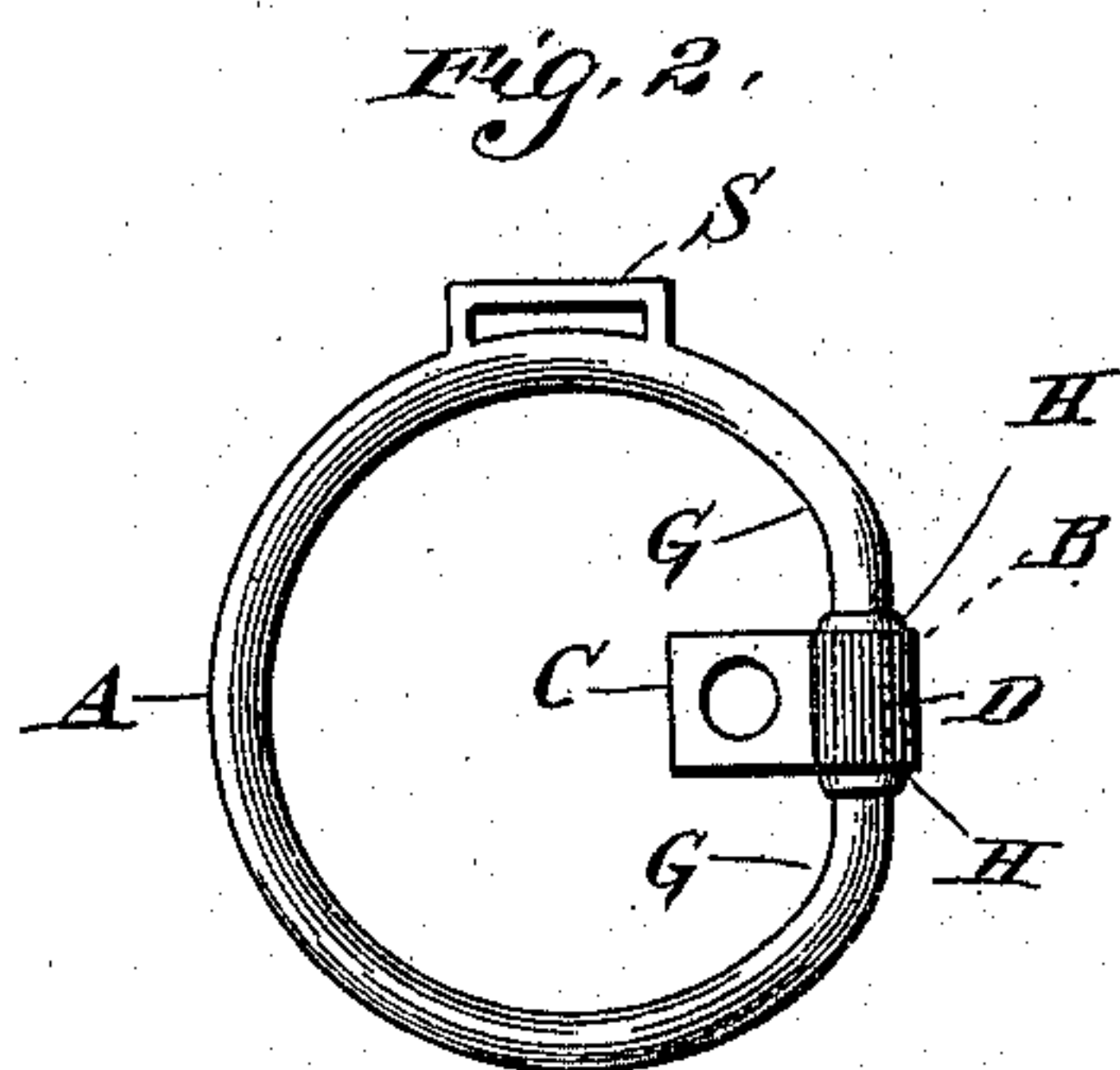
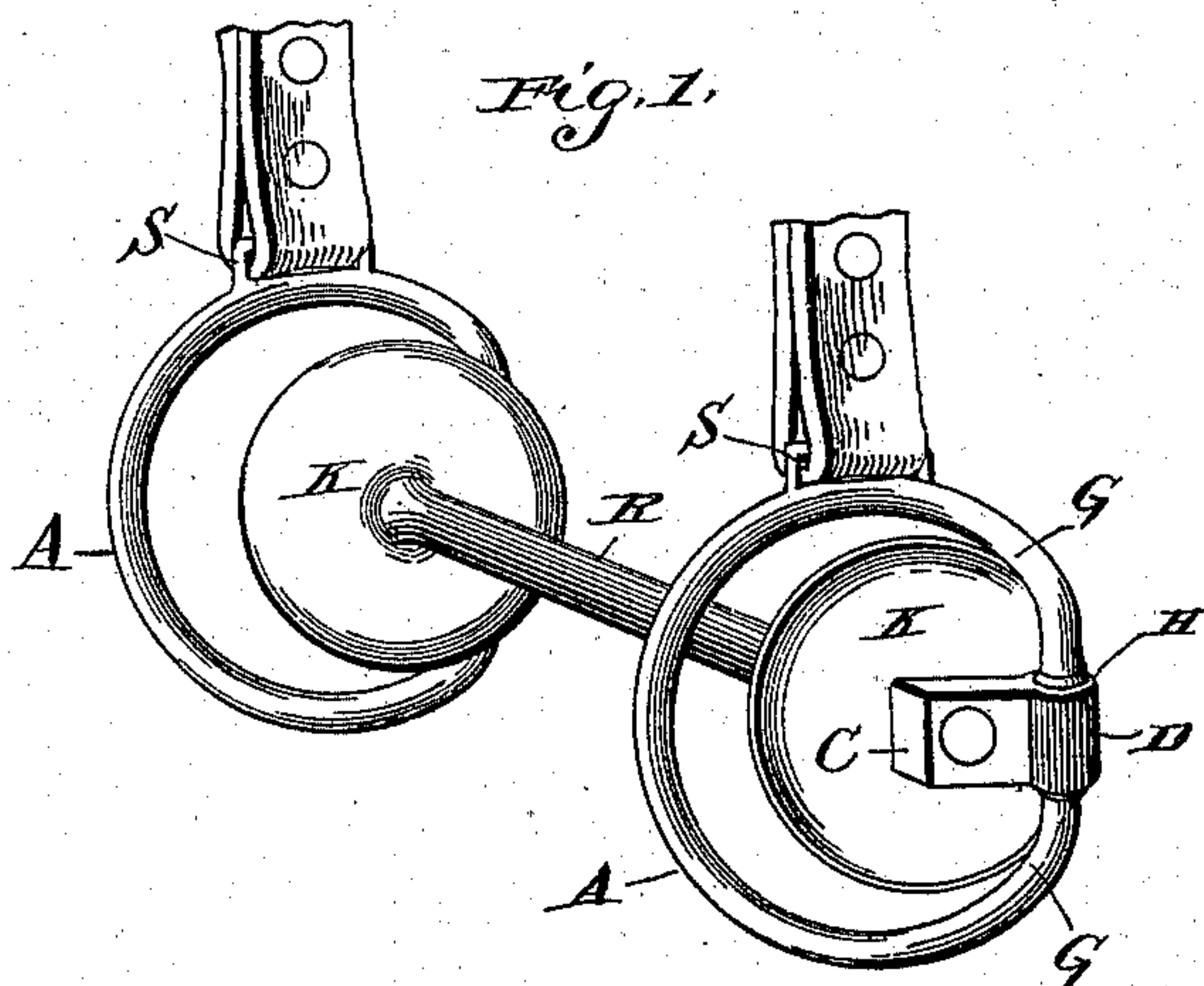


(No Model.)

C. H. FALLS.
BRIDLE BIT.

No. 559,273.

Patented Apr. 28, 1896.



Witnesses:

John Lenschart
Charles B. Nelson

Inventor:

Charles H. Falls

UNITED STATES PATENT OFFICE.

CHARLES H. FALLS, OF CLARKSVILLE, IOWA.

BRIDLE-BIT.

SPECIFICATION forming part of Letters Patent No. 559,273, dated April 28, 1896.

Application filed November 2, 1893. Serial No. 489,890. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. FALLS, a citizen of the United States, residing at Clarksville, in the county of Butler, State of Iowa, have invented a new and Improved Bridle-Bit, of which the following is a specification.

This invention relates to certain new and useful improvements in bridle-bits, and especially to a bit which has the mouthpiece made of a hollow tube of any suitable material designed to receive a rod carrying at its ends the bit-rings, suitable flanges being provided on said tubular mouthpiece, which are smaller in diameter than the bit-ring.

To these ends and to such others as the invention may pertain the same consists, further, in the novel construction, combination, and adaptation of the parts, as will be hereinafter more fully described and then specifically defined in the appended claim.

I clearly illustrate my invention in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings—

Figure 1 is a perspective view of my bit. Fig. 2 is a side elevation of a bit-ring. Fig. 3 is an enlarged perspective view of the hollow mouthpiece. Fig. 4 is a detail view of a bit-ring and rod secured thereto, which latter is adapted to be carried in the hollow mouthpiece.

Referring to the details of the drawings by letter, R designates the mouthpiece of the bit, which is made of any suitable material and is hollow and provided with outwardly-flaring flanges K and a central flange about the perforation.

C is a metallic member which is provided with a screw-threaded aperture to receive the rod F, which has screw-threaded ends.

A is the bit-ring, provided with a loop S, to which the check-strap is attached, and the ends of the ring A are sprung into an aperture of the member C, and the portions of the ring at the points G are so curved that the ring may be swung over the flanged portion of the mouthpiece without crowding against the said flanges.

From the foregoing it will be seen that the mouthpiece has a movement on the rod F, and owing to the peculiar construction of the outwardly-flaring flanges the bit-rings are prevented from crowding against the flanges.

What I claim is—

As an improved article of manufacture a bridle-bit consisting of a hollow mouthpiece having outwardly-flanged portions with an outwardly-extending flange about the end of the aperture in said mouthpiece, combined with a bit-ring A the ends of which are held within the member D and adapted to turn over the flanged portions of the mouthpiece, and the rod F having screw-threaded ends designed to be inserted in the aperture of the mouthpiece and its ends screwed into the members D, the said member C being adapted to abut against the small flange about the aperture of the piece R, substantially as shown and for the purpose set forth.

C. H. FALLS.

Witnesses:

C. B. NELSON,
JOHN LENHART.