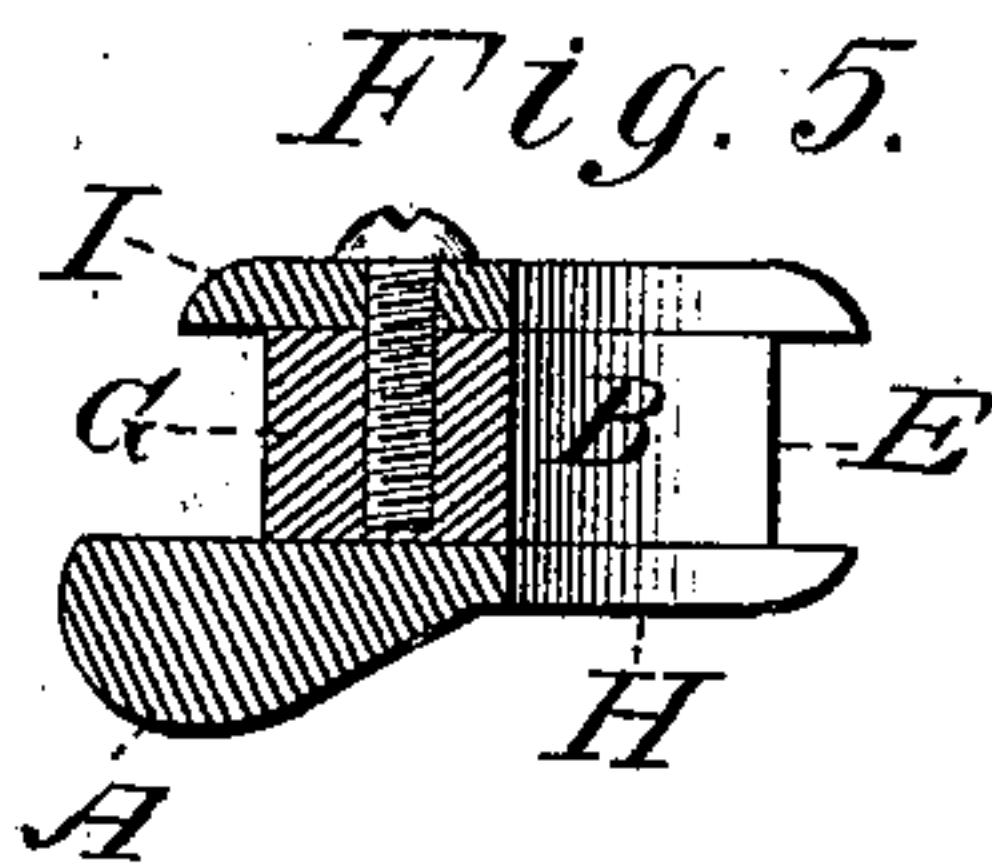
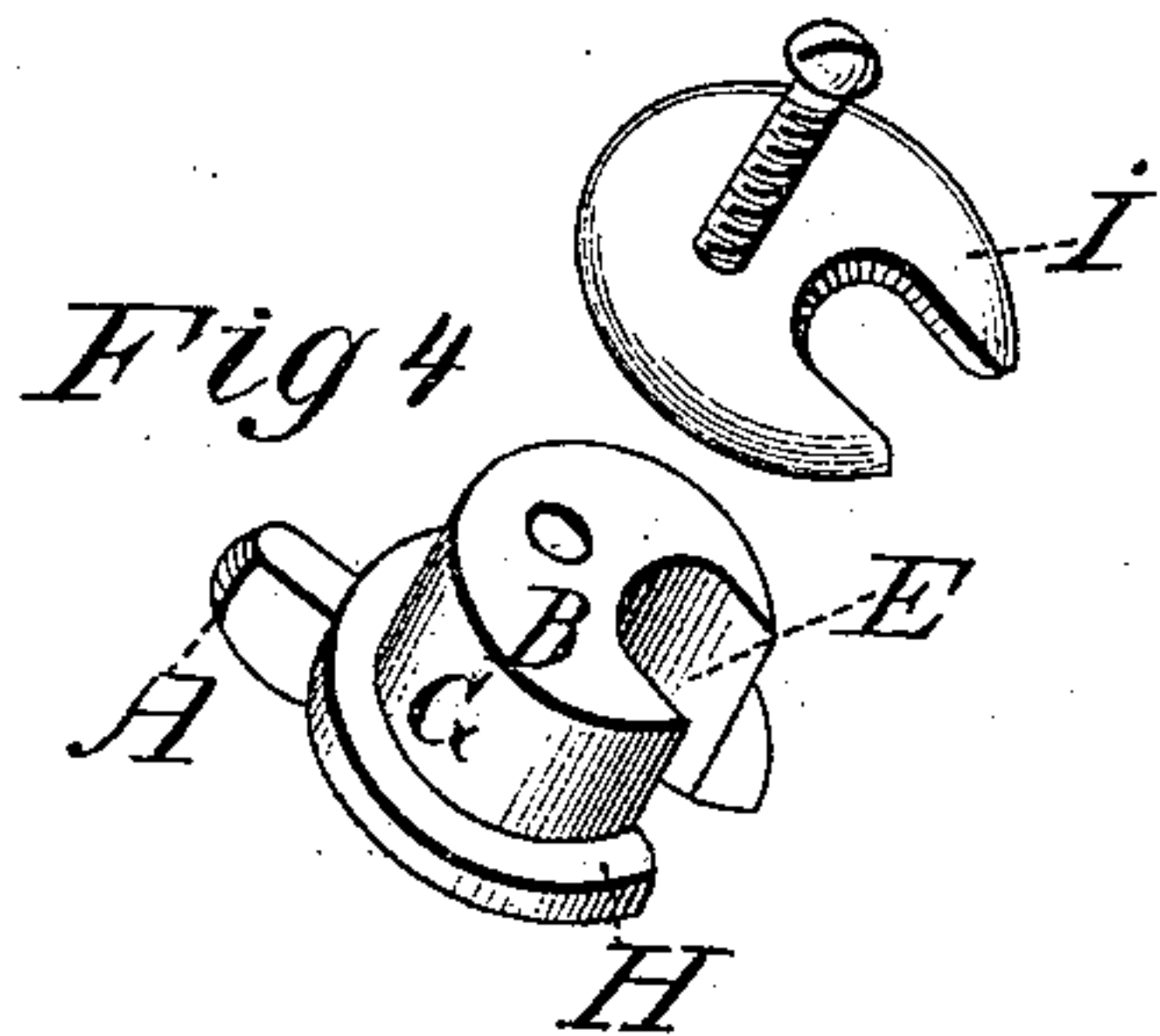
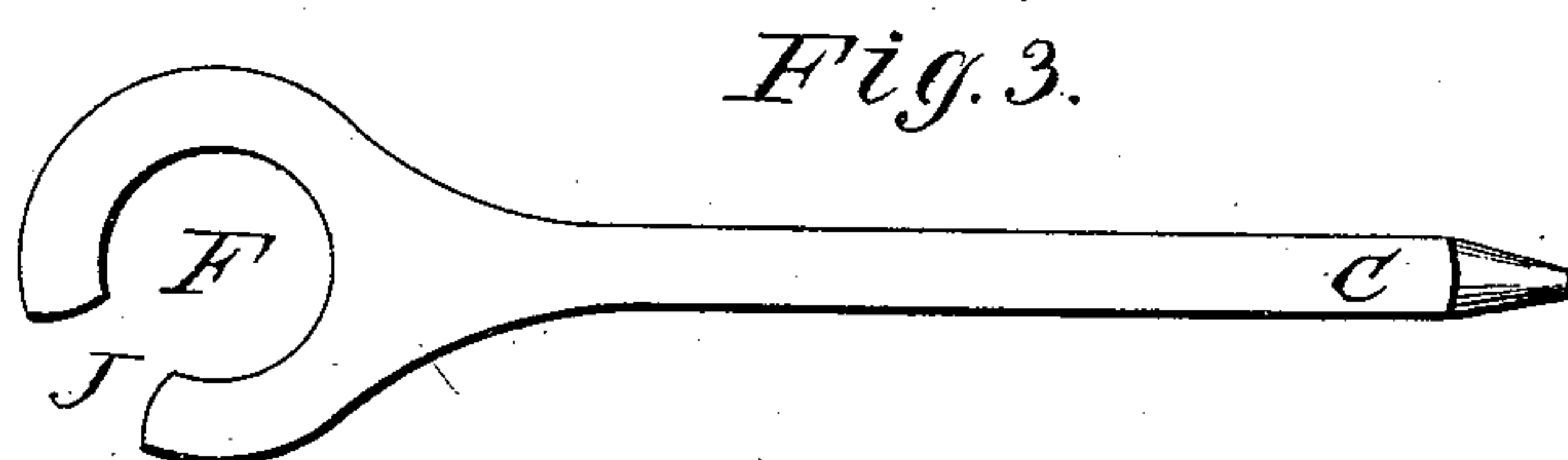
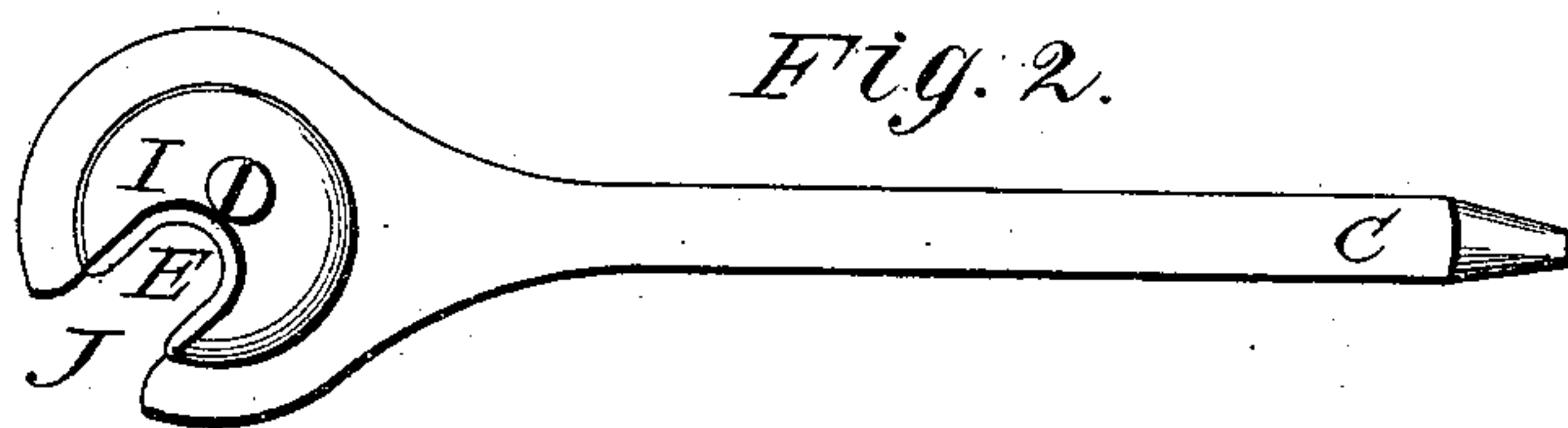
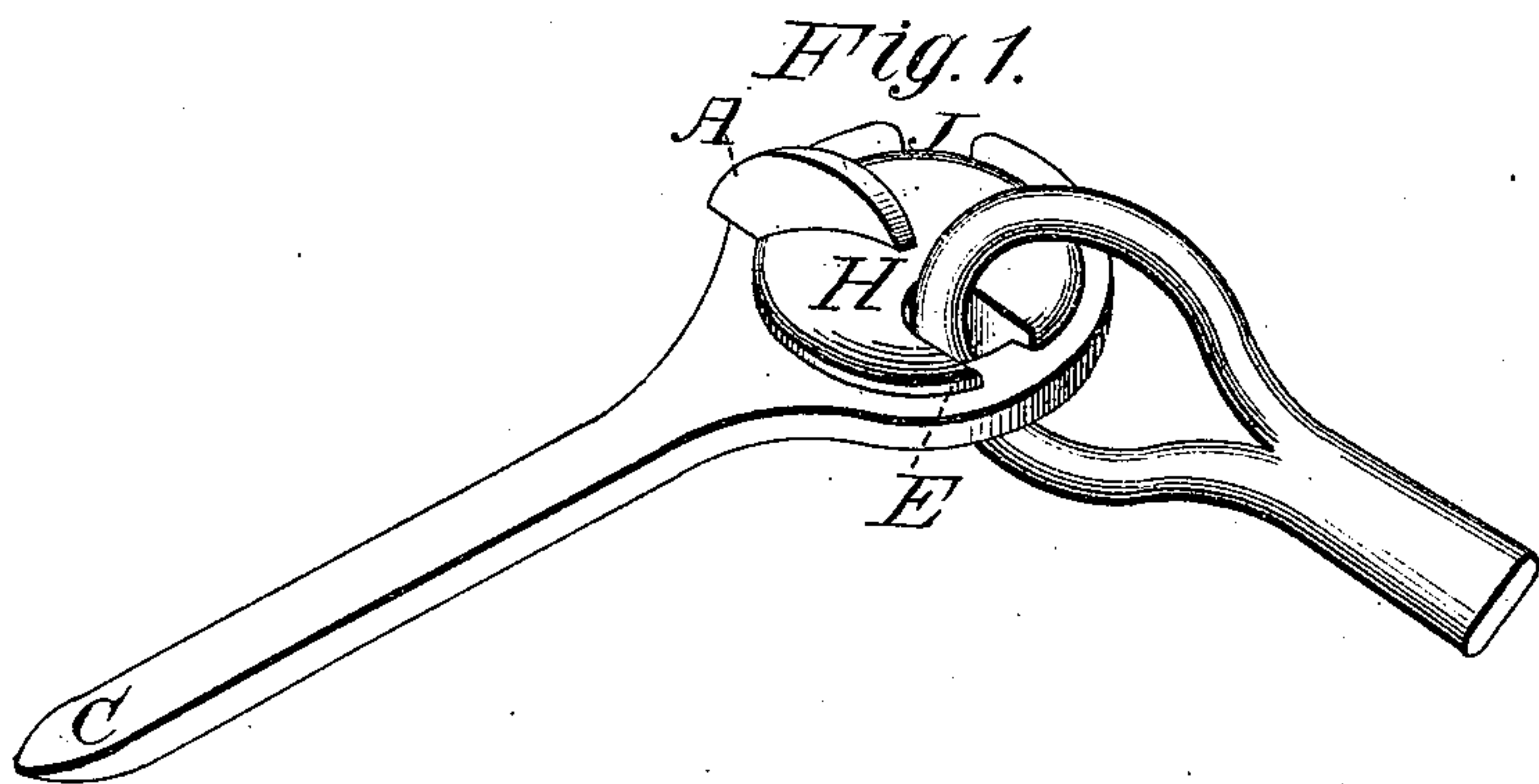


(Model.)

D. C. O'BRIEN.
Trace Fastener.

No. 235,099.

Patented Dec. 7, 1880.



Witnesses:

A. B. Crockett
John Griffin

Inventor:

Dennis C. O'Brien

UNITED STATES PATENT OFFICE.

DENNIS C. O'BRIEN, OF HORNELLSVILLE, NEW YORK.

TRACE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 235,099, dated December 7, 1880.

Application filed May 7, 1880. (Model.)

To all whom it may concern:

Be it known that I, DENNIS C. O'BRIEN, of the town of Hornellsville, county of Steuben, and State of New York, have invented a new and useful Improvement for Fastening a Tug or Trace to the Whiffletree of a Carriage, Wagon, or other Vehicle; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Similar letters of reference indicate like parts.

My invention consists of a circular movable plate arranged inside of the end of the whiffletree-iron, so that when the cockeye is introduced into the end of the whiffletree-iron it also enters the circular plate by means of an opening or notch therein, and the circular plate, being movable, is then turned to such a position that the cockeye is removed from the opening at which it entered the whiffletree-iron, so it cannot escape therefrom.

Figure 1 is a perspective view of the device with cockeye introduced and cylinder turned to working position. Fig. 2 is a view showing the whole device, with the movable circular cylinder in position to receive the cockeye. Fig. 3 is a view of the device without the cylinder. Fig. 4 is a view of the cylinder B with parts detached. Fig. 5 is a sectional view of the same, showing parts connected.

Into the circular opening F in the whiffletree end C is introduced the detached cylinder-body G until the flange H meets the sides of the fastening C. The circular plate I is then fastened, by bolts or otherwise, to the opposite side of the cylinder-body G, the flanges H and I then holding it in position, the cylinder at the side G being made of a size to turn easily in the opening F. The cylinder B is then turned so that the notch E forms a continuation of the opening J. The cockeye is then introduced through the opening J and into notch E. The cylinder is then turned, by means of thumb-piece A, one-quarter of a round, as in Fig. 1, to a working position. The whole is to be made of iron or other suitable metal, and attached to the end of the whiffletree by screwing or otherwise fastening the device at the point C in the same line with the whiffletree.

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

The movable notched flanged cylinder B, in combination with the whiffletree end C, provided with notch J, as and for the purpose set forth.

DENNIS C. O'BRIEN.

Witnesses:

JOHN GRIFFIN,
HAWLEY B. PETTIBONE.