

D. STALLARD, Jr.
Barrel-Hoop Stretcher.

No. 210,815.

Patented Dec. 10, 1878.

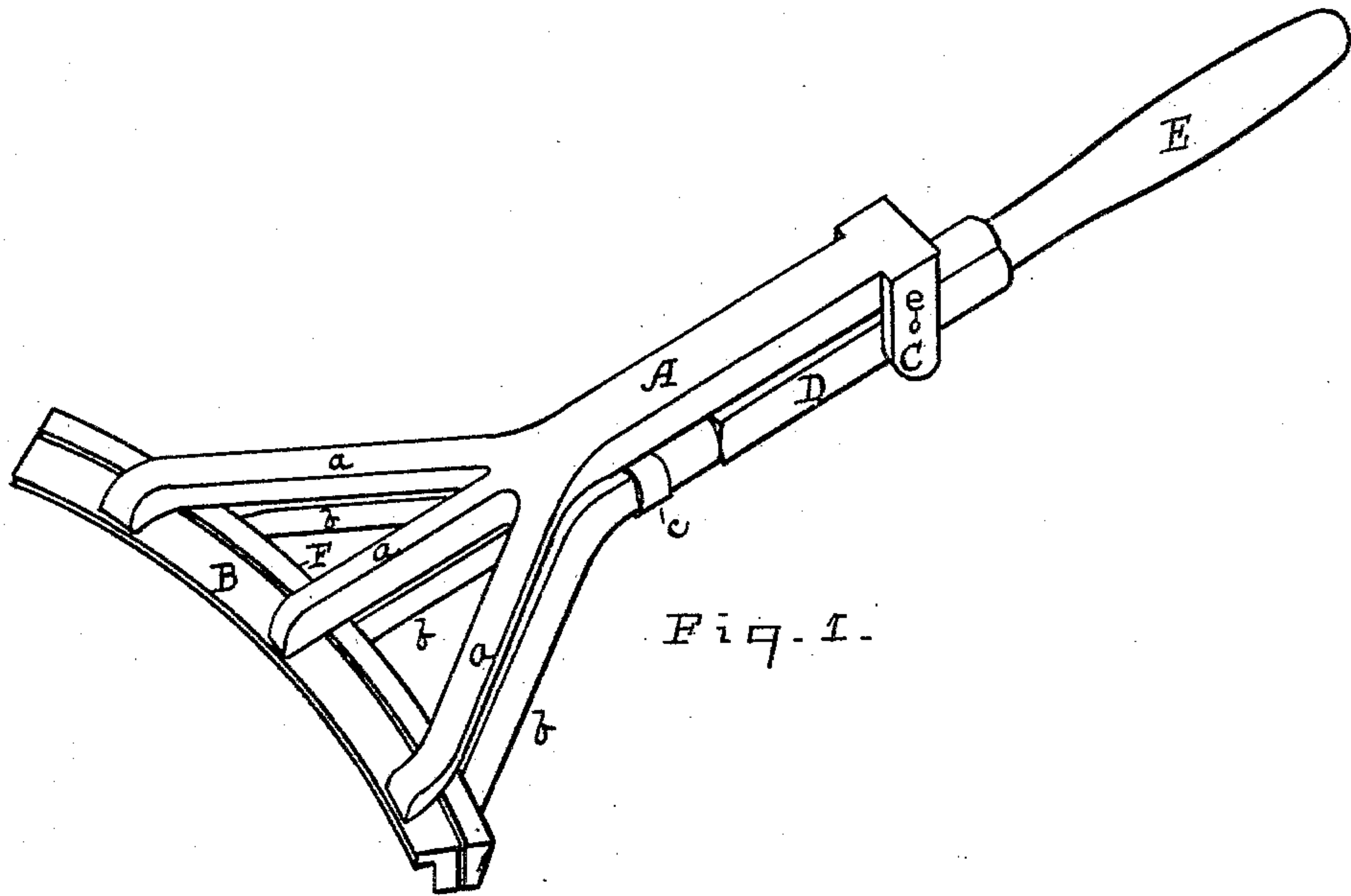


Fig. 1.

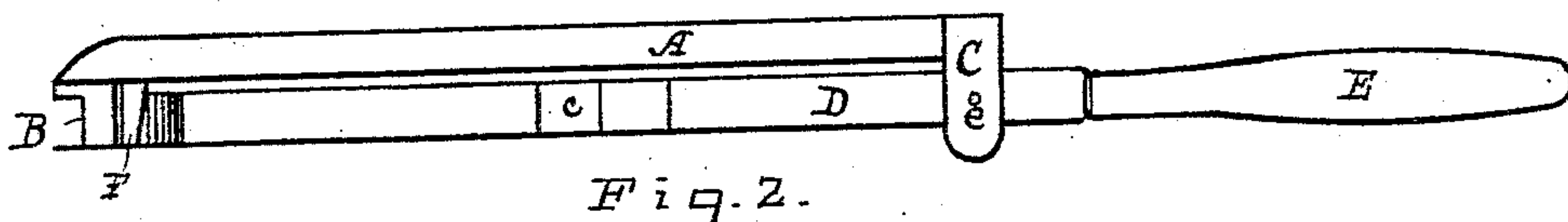


Fig. 2.

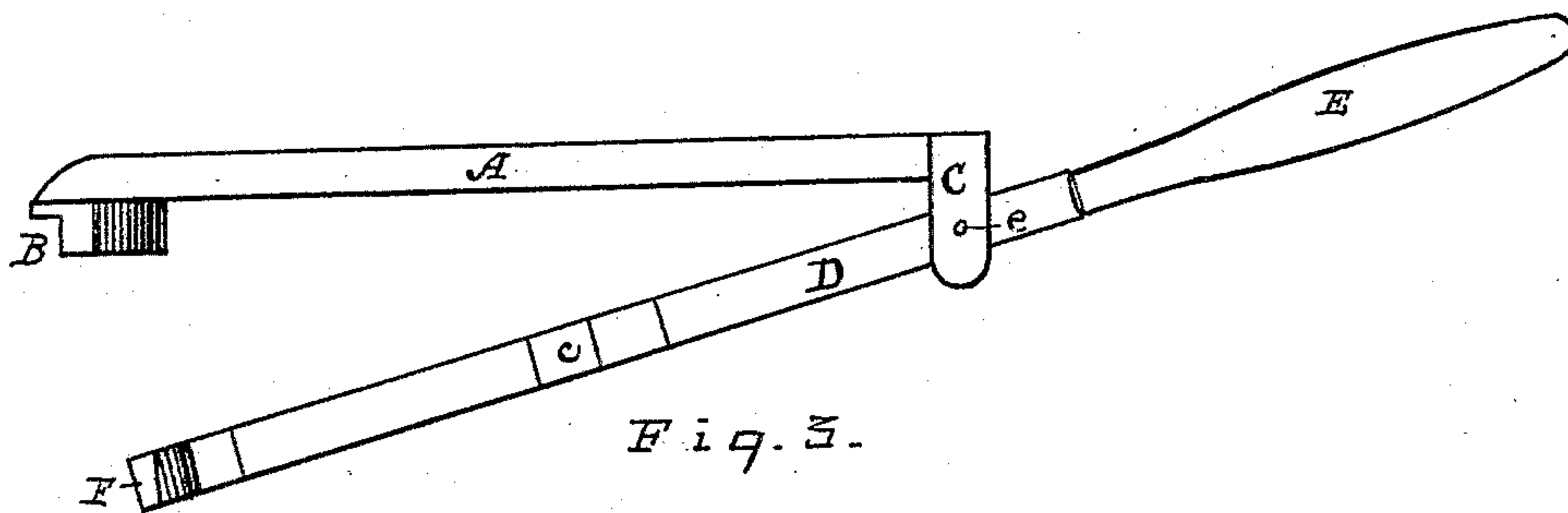


Fig. 3.

Witnesses:
John A. Hughes
O. J. Bailey

Inventor:
David Stallard Jr.
By J. S. Ferber
Atty.

UNITED STATES PATENT OFFICE.

DAVID STALLARD, JR., OF NEW LIBERTY, KENTUCKY.

IMPROVEMENT IN BARREL-HOOP STRETCHERS.

Specification forming part of Letters Patent No. **210,815**, dated December 10, 1878; application filed August 20, 1878.

To all whom it may concern:

Be it known that I, DAVID STALLARD, Jr., of New Liberty, in the county of Owen and State of Kentucky, have invented a new and useful Improvement in Hoop-Stretchers, which improvement is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is a perspective view. Fig. 2 is a side view with the apparatus closed, and Fig. 3 a side view with the apparatus open.

The object of this invention is to provide a stretcher for barrels, hogsheads, or other circular vessels having hoops, so constructed that the hoops can easily be adjusted; and it consists in a semicircle attached to the extremities of three prongs extending from a single stem, and having on the outer surface of this circle another semicircle, also attached to the ends of the prongs extending from a single stem, having at its opposite end a handle, and pivoted near the prongs to the upper stem.

In the drawing, A is a stem, having at one end two ears or lugs, C, extending downwardly, and at the other end three prongs, *a a a*. The stem and prongs are made of any suitable metal.

At the terminal of the prongs is a circular piece, B, forming a portion of any sized circle desired for the purpose.

D is another stem, which is placed directly under stem A, and pivoted to the same through

ears C by means of a pin, *e*. The end of this stem D which extends beyond the end of stem A is provided with a handle, E. The opposite end has also these prongs, which terminate at another circular piece, F, which fits the outer surface of the circular piece B.

The operation of my device is as follows: Fig. 3 shows the position in which the apparatus is held preparatory to placing the hoop on the barrel. The opposite side of the hoop is placed over the barrel, and the circular part of the hoop B is then placed on the inside of the hoop, and the circles B and F are brought close together, and the handle E lowered. This movement causes the top of the barrel to contract, and at the same time draws the hoop over the ends of the staves, when the hoop can be readily driven down.

The use of this is applicable for any sized barrel, cask, or hogshead where staves and hoops are used, and the circles can be made permanent on the prongs or changed at will.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of circles B F, stems A D, ears C, and handle E, substantially as herein described and set forth.

DAVID STALLARD, JR.

Witnesses:

O. J. BAILEY,
F. E. ZERBE.