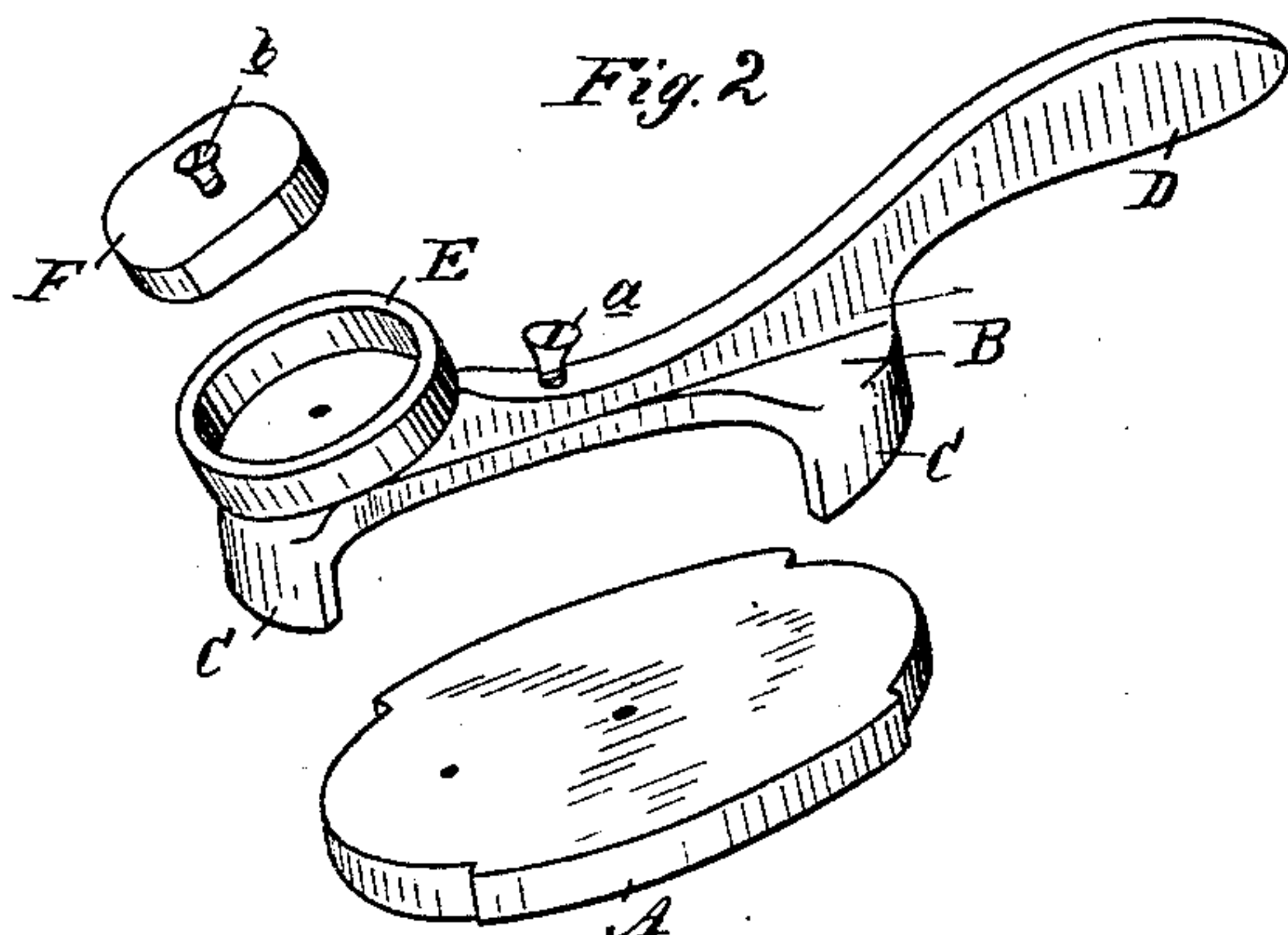
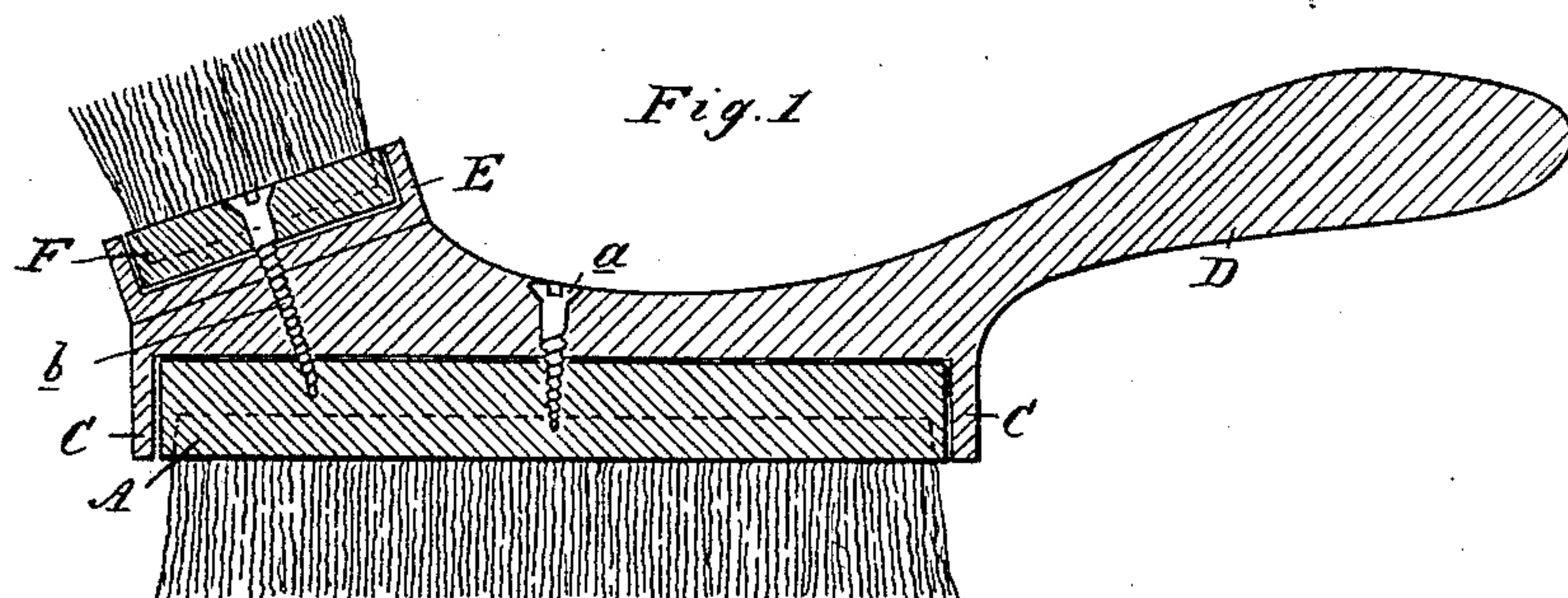


(No Model.)

E. HAMBUJER.
BRUSH.

No. 348,842.

Patented Sept. 7, 1886.



Attest:

John Schuman.
John Schuman

Inventor:

Ephraim Ham bujer.

by his Atty

Thos. L. Sprague

UNITED STATES PATENT OFFICE.

EPHRAIM HAMBUJER, OF DETROIT, MICHIGAN, ASSIGNOR TO BERNARD G. MORRIS AND MARK G. MORRIS, BOTH OF SAME PLACE.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 348,842, dated September 7, 1886.

Application filed May 10, 1886. Serial No. 201,671. (No model.)

To all whom it may concern:

Be it known that I, EPHRAIM HAMBUJER, of Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Brushes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in brushes.

The object of the invention is to provide means for securing a handle upon the brush-head, more specially of that class wherein the bristles are held in place by longitudinal binding-wires, such as are described in the patent to one McDonel, March 13, 1883, No. 273,867.

The invention consists in the peculiar combinations and the novel construction, arrangement, and adaptation of parts, all as more fully hereinafter described, and then specifically defined by the claim.

Figure 1 is a central longitudinal vertical section through my improved device with the various parts secured together. Fig. 2 is a perspective view showing the several parts detached.

In the accompanying drawings, which form a part of this specification, A represents the head of a shoe-brush, the ends of which are preferably semicircular in form, as shown.

B is a plate substantially of the form shown, each end of which is provided with a downwardly-projecting flange, C, between which flanges the curved ends of the brush-head snugly fit. It will readily be seen that by the employment of this flange-plate, if the brush is constructed after the McDonel patent herein-

before referred to, the flanges C will effectually prevent the displacement of the binding-wires or the end staples that secure them in place, while it presents a much more finished appearance to the brush.

D is a handle, which is secured to the top of the plate B in any convenient manner, or it may be formed as an integral part of such plate B, this depending largely upon the material from which these parts are constructed.

The plate and handle are secured to the brush-head by means of a screw, *a*. Upon the forward end of the handle is a socket, E, into which the head F of the "dauber" is designed to closely fit. The socket E may, if desired, be rigidly secured to the handle, or it may be secured merely by the screw *b*, which passes through the center of the dauber-head, as shown. By this construction it will readily be observed that, beyond affording means for preventing the withdrawal or displacement of the binding-wires in a brush of the kind described, additional strength is given to the brush, the handle being prevented from turning upon the head by the flanges, while at the same time either the brush proper or the dauber may readily be removed and replaced with new brushes at very slight expense.

What I claim as my invention is—

In a brush, the combination of the head A, plate B, having flanges C, handle D, socket E, and dauber F, constructed, arranged, and operating substantially in the manner and for the purposes described.

EPHRAIM HAMBUJER.

Witnesses:

H. S. SPRAGUE,
E. SCULLY.