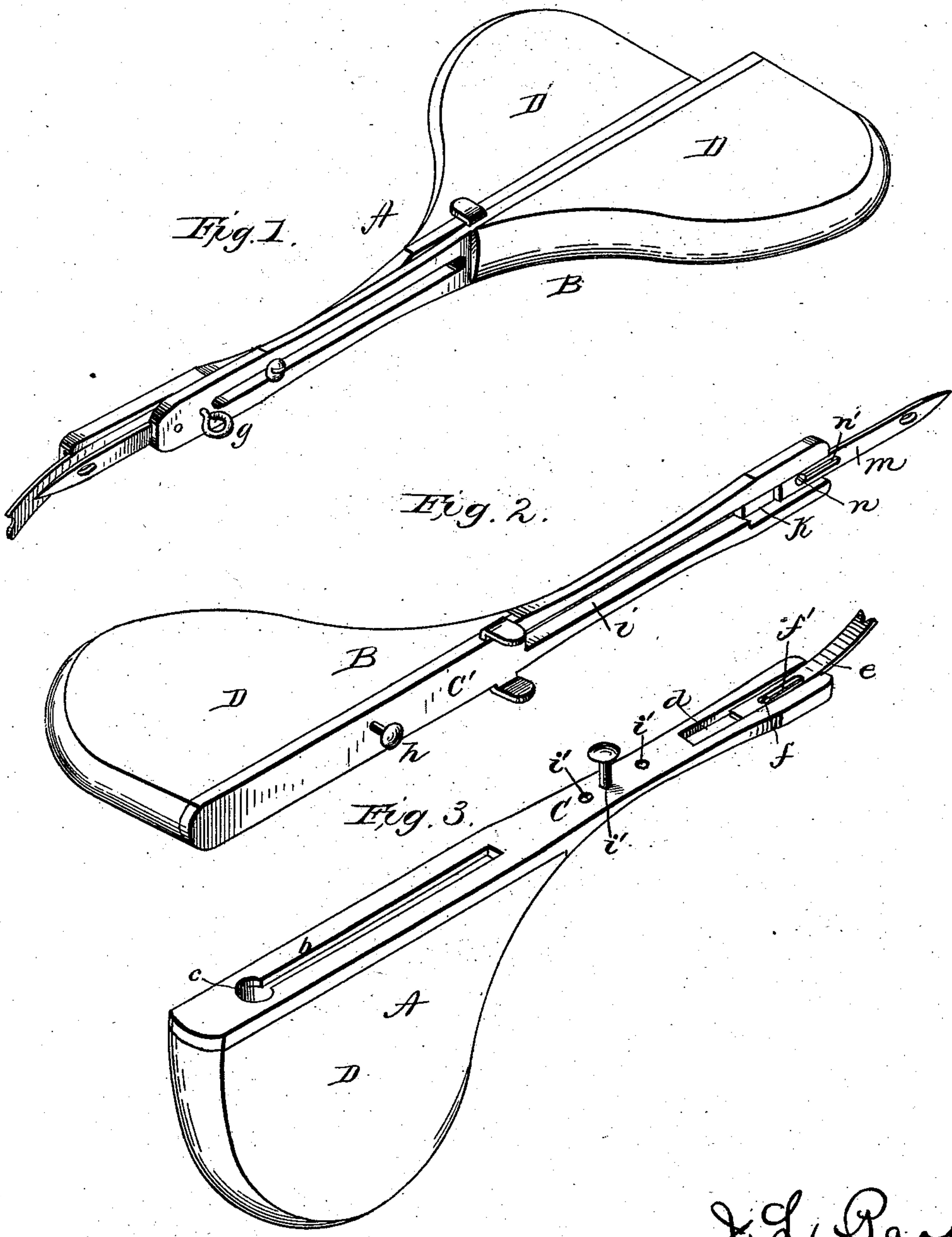


(No Model.)

J. L. PARKS.
EMBROIDERY MACHINE.

No. 294,499.

Patented Mar. 4, 1884.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOSEPH L. PARKS, OF WAUSEON, OHIO.

EMBROIDERY-MACHINE.

SPECIFICATION forming part of Letters Patent No. 294,499, dated March 4, 1884.

Application filed December 3, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH L. PARKS, a citizen of the United States, residing at Wauseon, in the county of Fulton and State of Ohio, have invented a new and useful Embroidery-Machine, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to embroidery-machines, and is designed as an improvement upon the means shown and described in the patent granted to E. Ross, dated December 27, 1881, No. 251,381.

The objects of the improvements under consideration are to simplify the construction and to dispense with unnecessary parts in the manufacture of the machines.

My improvements consist in the combination of two parts provided with coupling means, as will be hereinafter more fully set forth.

My improvements further consist in the combination of the two parts provided with adjusting means, whereby the needle attached to one part and the spring attached to the other part can be relatively adjusted to each other for increasing or decreasing the length of the loop during the process of embroidering.

Figure 1 represents a perspective view of my improved device. Fig. 2 represents a perspective view of the part or member carrying the needle; and Fig. 3 represents a perspective view of the part or member carrying the flat spring.

In the annexed drawings, A B represent two sections or members, formed with suitable handles, by which they are manipulated. The bars C C' of these sections are preferably made of malleable iron, while the extensions DD', forming the handles or grip portions, are preferably made of wood or other soft material. The section-bar C is formed near its upper end with an elongated slot, *b*, terminating at the upper end with an enlargement or button-opening, *c*, and the lower end is formed with a recess or groove, *d*, into which is fitted the flat spring *e*, adjustably secured by means of the set-screw *f*, working in the slot *f'* near the upper end of the spring *e*, as shown in Fig. 3 of the drawings. The section-bar C' is

formed at a suitable point from its upper end with the headed stud *h*, to engage with the opening *c* and slot *b* of the section-bar C for a connection or union. This bar C' is also formed with an elongated slot, *i*, and recess or groove *k*, in which latter (*k*) the flat needle *m* is adjustably secured by means of a set-screw, *n*, working in a slot, *n'*, near the upper end of the flat needle *m*, as shown in Fig. 2 of the drawings. This bar C' is further provided on its outer side with an eye, *g*, for receiving and guiding the embroidery-yarn to the needle. The needle and flat spring are substantially of an old construction, except the slots and set-screws for rendering them adjustable. The handles or grips of the sections are connected to their respective bars in any suitable manner. The sections or members A and B, being constructed and arranged as described, are brought together by adjusting the headed stud of the section A into the elongated slot *b* of the section B, and connecting the lower ends of the bars by means of a screw passed through the slot *i* and into one of the holes *i'* of the bar C. The recesses *d* and *k* in the inner faces of the bars C and C' prevent any lateral motion of the flat spring *e* or the flat needle *m*.

The necessary adjustments of the needle and flat spring having been made for either a short or long embroidery loop, the parts are ready for operation. As the operation of this machine is substantially the same as that set out in Patent No. 251,381, hereinbefore referred to, a repetition is not deemed necessary.

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

1. As an improvement in embroidering-machines, the section A, provided with the bar C, formed with an elongated slot, *b*, and button-opening *c* and adjustable flat spring *e*, the section B, provided with bar C', having headed stud *h*, elongated slot *i*, and adjustable flat needle *m*, and a connecting-screw for coupling the lower ends of the bars C and C', substantially as and for the purposes set forth.

2. In an embroidery-machine, the combination, with the needle-bar C', provided with a flanged recess, *k*, in its inner face, at its lower

end, in which the needle is secured, said flanges projecting above the needle, of the bar C, having the flat spring e, curved inwardly, so that it enters between the flanges k; whereby the
5 flat spring will be guided and lateral movement of the same prevented, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOSEPH L. PARKS.

Witnesses:

W. C. KELLEY,
GEO. W. SHICK.