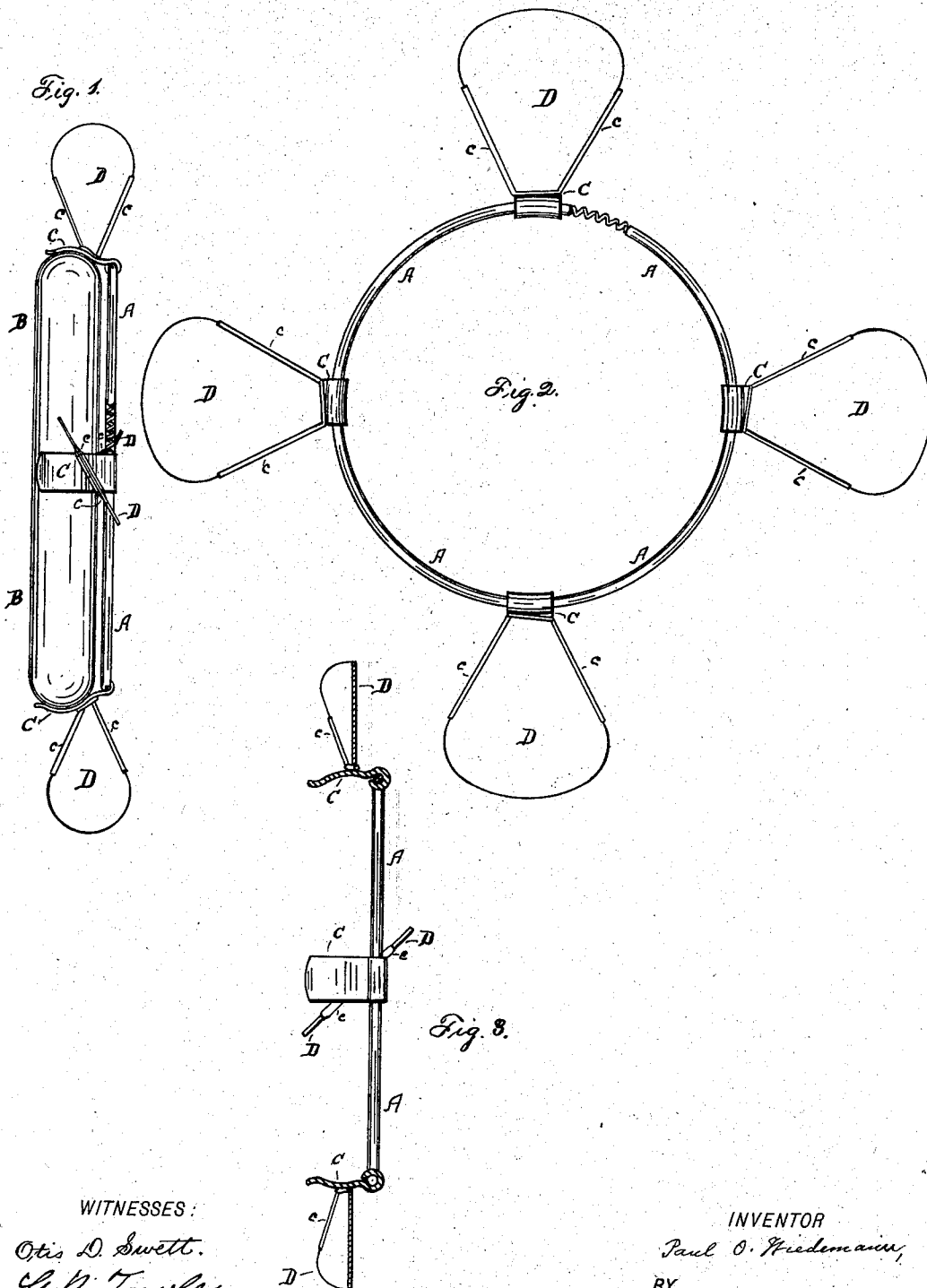


(No Model.)

P. O. WIEDEMANN.
FAN ATTACHMENT FOR SEWING MACHINES.

No. 578,846.

Patented Mar. 16, 1897.



WITNESSES:
Otis D. Swett.
Ch. B. Fowler

INVENTOR
Paul O. Niedemann,
BY
Thomas P. Simpson
ATTORNEY.

UNITED STATES PATENT OFFICE.

PAUL O. WIEDEMANN, OF NEW YORK, N. Y.

FAN ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 578,846, dated March 16, 1897.

Application filed December 3, 1896. Serial No. 614,292. (No model.)

To all whom it may concern:

Be it known that I, PAUL O. WIEDEMANN, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Fan Attachments for Sewing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The invention relates generally to sewing-machine attachments, and has for its special object to gently fan the operator while working on the machine.

Figure 1 of the drawings is a perspective view showing my invention applied to the small fly-wheel of a sewing-machine; Fig. 2, a detail view of the fan, and Fig. 3 a detail sectional view.

In the drawings, A represents a metallic ring made of spring metal with the two ends held together by a spiral spring. One end may be reduced, so as to slide into a socket of the other, while on the reduced end is placed a spiral spring fastened at its ends to the shoulders. By this construction the ring A may be sprung open and easily placed on

the small fly-wheel B, so that the concave plates C may clamp its perimeter.

D are the fan-blades, made broad at the outer end and tapering toward the inner end, so as to fit snugly into the tapering guideways *c c* of the plates C. The fan-blades and their guideways are not in the same plane with the ring or in one parallel therewith, but in one at an angle thereto, preferably at an angle of about forty-five degrees.

The guideways *c c* are attached rigidly to or made integral with the plates C, while the latter are made fast at one end to the ring. I prefer to use four blades, but do not confine myself to any particular number.

As the machine is worked the fans are rotated, so as to create a draft, which is a great comfort to the operator.

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

An open-ring spring held at its ends combined with concave plates fastened thereto and provided with guideways arranged to receive fan-blades as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

PAUL O. WIEDEMANN.

Witnesses:

C. H. FISCHER,
JOSÉ PEYOL, Jr.