

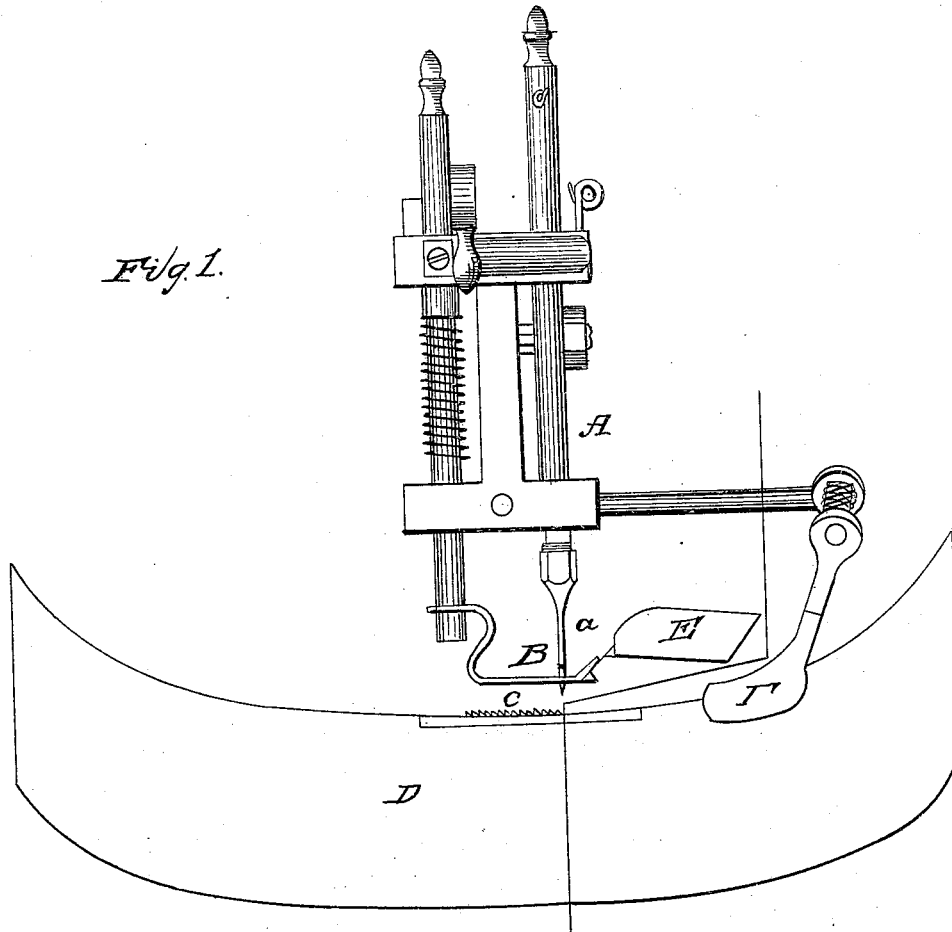
SANFORD & WHEELER.

Sewing Machine.

2 Sheets—Sheet 1.

No. 53,927.

Patented April 10, 1866.



Inventor

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*John A. Humway
Attorney at Law*

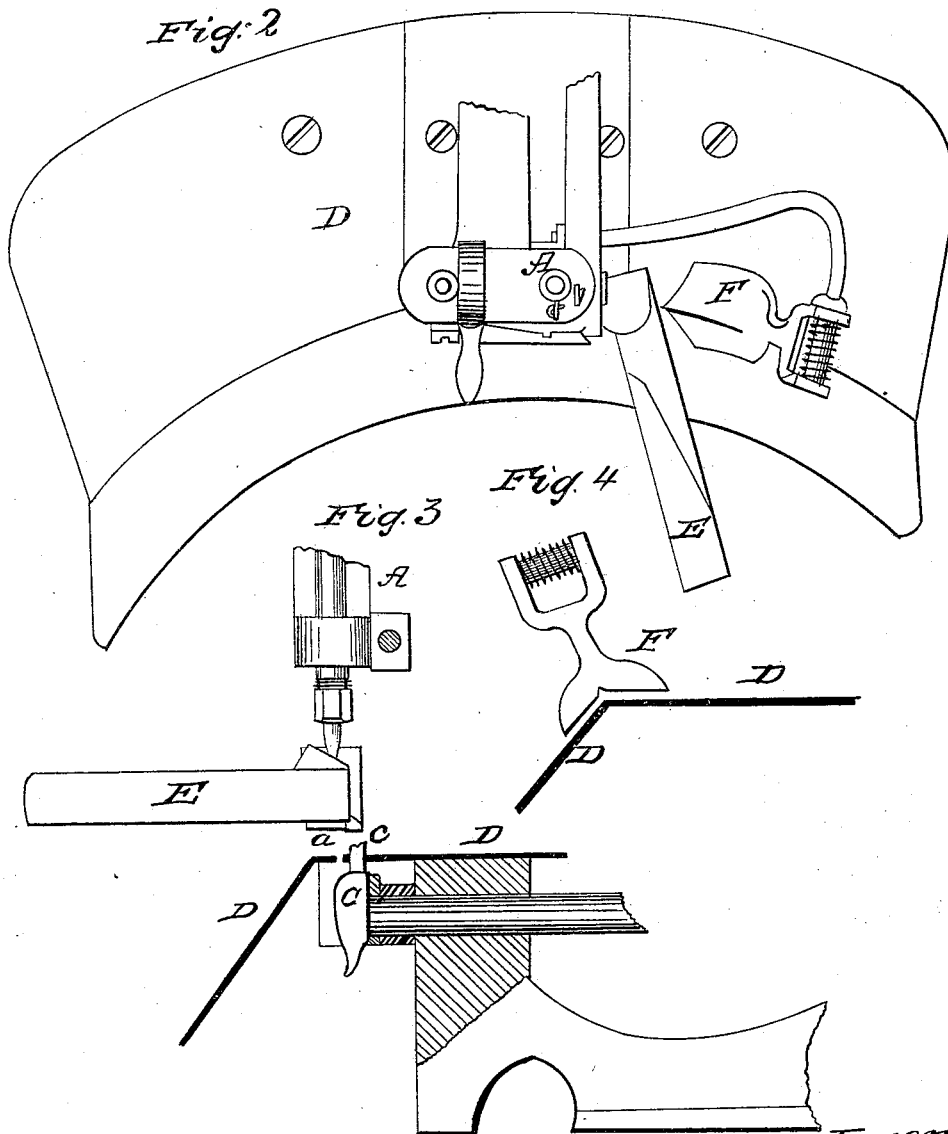
*By the atty
John O. Earle*

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witnesses
John H. Shumway
Wadley B. Dow
John E. Earle

UNITED STATES PATENT OFFICE.

FREDK. S. SANFORD AND DWIGHT WHEELER, OF BRIDGEWATER, CONNECTICUT, ASSIGNORS TO O. GLOVER SANFORD & SONS AND DWIGHT WHEELER, OF SAME PLACE.

IMPROVEMENT IN SEWING-MACHINES FOR SEWING THE SWEAT-LININGS TO HATS.

Specification forming part of Letters Patent No. 53,927, dated April 10, 1866.

To all whom it may concern:

Be it known that we, FREDERICK S. SANFORD and DWIGHT WHEELER, of Bridgewater, in the county of Litchfield and State of Connecticut, have invented a new and useful Improvement in Sewing-Machines; and we do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a front view; Fig. 2, a top view; Fig. 3, a sectional view; and in Fig. 4, a sectional view of the work-plate and guide.

Our invention is designed for the purpose of stitching the sweats to hats; and it consists in the peculiar form of the work-plate, with a guide for the sweat and a guide for the hat, combined with a sewing-machine or stitching apparatus.

To enable others to construct and use our improvement, we will proceed to fully describe the same, as illustrated in the accompanying drawings.

In illustrating our invention we have shown it as applied to the machine known as the "Willcox & Gibbs" sewing-machine, in which A is the needle-bar, *a* the needle, B the presser-foot, C the looper, and *c* the feed, all constructed and operated in the usual manner.

D is the work-plate, its upper surface made concave, as seen in Fig. 1, its front edge turned down, as seen in Fig. 3, and curved, as seen in Fig. 2, so that the rim of the hat rests upon the upper surface of the plate, while the crown rests against the side. The said plate is arranged relatively to the feed, the needle, and looper the same as the ordinary flat work-plate.

E is the sweat-guide, attached to the presser-foot B, or other part of the machine, and is

formed from thin sheet metal of the proper width, and so as to permit the sweat-leather to pass freely down beneath the presser-foot.

F is a guide resting upon the angle of the work-plate, as seen in Fig. 4, and so as to properly guide the hat upon the work-plate, the angle of the hat brim and body to rest upon the angle of the plate thus constructed. The hat to which the sweat is to be attached is placed upon the table so that the angle of the brim and hat comes beneath the needle, the guide F bearing thereon with the force of the spring denoted in red. The sweat-leather is then passed through the guide E, beneath the presser-foot, and so that the needle will catch upon the edge of the leather; then the machine is caused to operate in the usual manner, stitching the leather to the hat. The peculiar form of the table, combined with the feed, causes the hat to be turned gradually around until the leather is neatly stitched entirely around the hat, which being removed, a second hat is placed therein for a like operation.

Our improvement is alike applicable to other sewing-machines or stitching apparatus than the one described. We therefore do not confine ourselves to any particular stitching apparatus, preferring only the one described.

Having therefore thus fully described our improvement, what we claim as new and useful, and desire to secure by Letters Patent, is—

The work-plate D and guides E and F, constructed and arranged substantially in the manner described, in combination with a stitching apparatus, for the purpose specified.

FREDERICK S. SANFORD.
DWIGHT WHEELER.

Witnesses:

GRANDISON R. WARNER,
PETER WOOSTER.