(No Model.)

W. H. LANFERSIEK.

DETACHABLE SHADE FOR SEWING MACHINES.

No. 386,251. Patented July 17, 1888.

FIG. 1.

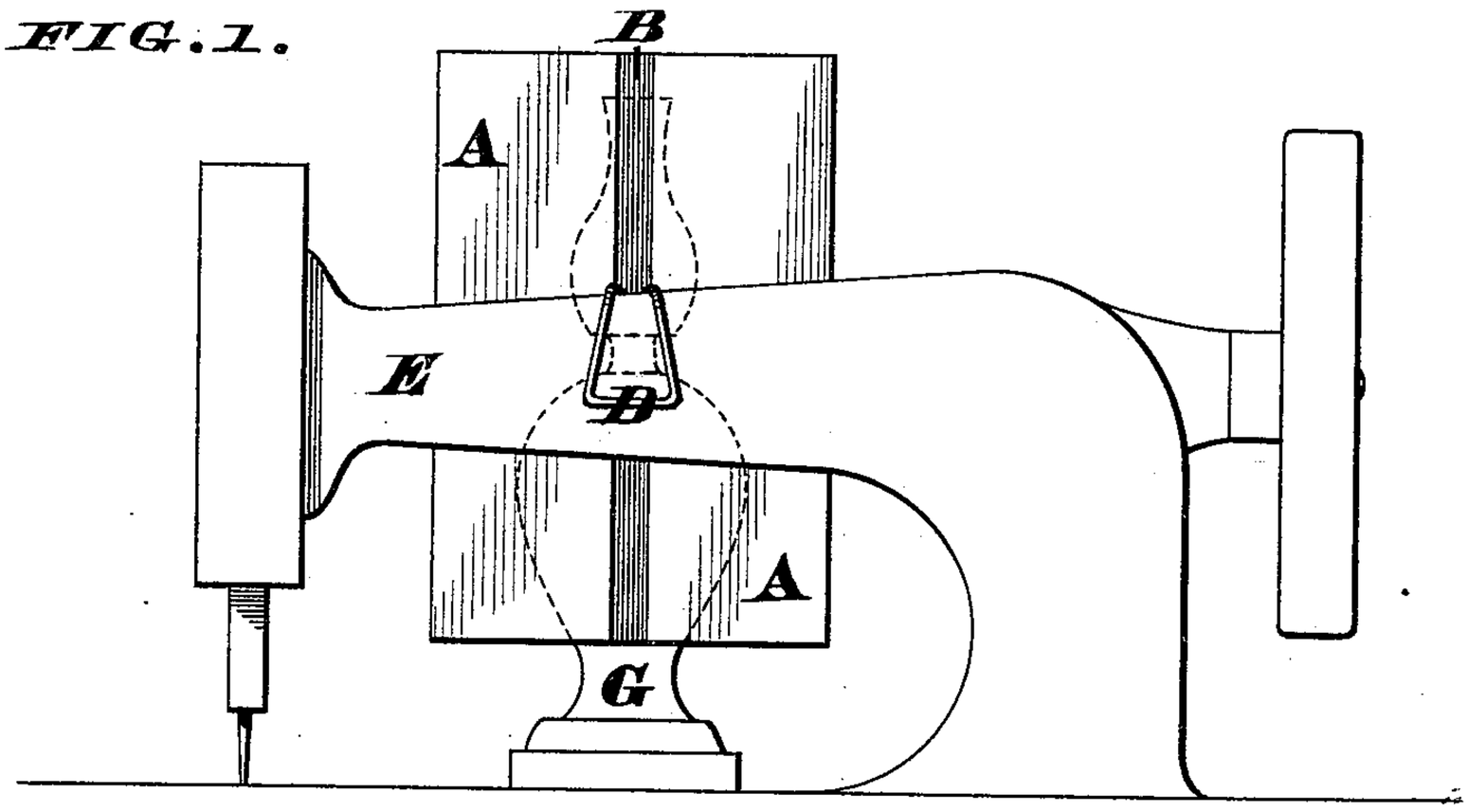


FIG. 2.

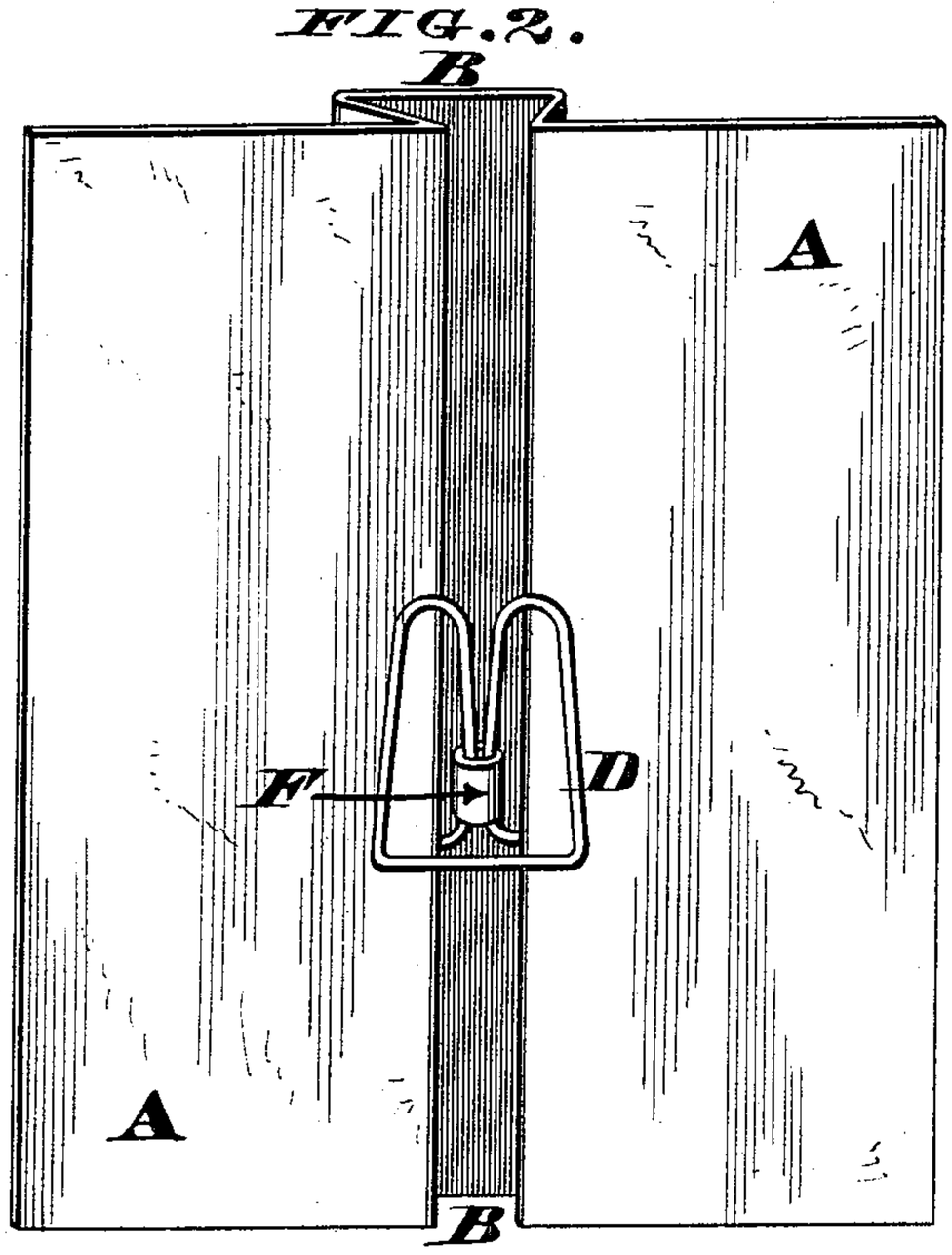
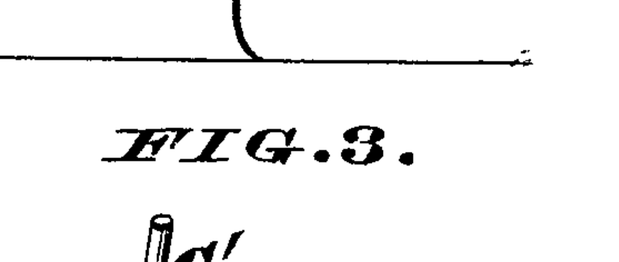


FIG. 3.

FIG. 4.



Attest.
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UNITED STATES PATENT OFFICE.

WILLIAM H. LANFERSIEK, OF CINCINNATI, OHIO.

DETACHABLE SHADE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 386,251, dated July 17, 1888.

Application filed January 31, 1888. Serial No. 262,505. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. LANFERSIEK, a citizen of the United States of America, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented a certain new and useful Detachable Shade for Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention comprises a shade capable of being readily applied to the arm of a sewing-machine for the purpose of shielding the operator's eyes from the rays of a lamp or other artificial light. In its preferred form said shade consists of a sheet of tin grooved vertically at its center to admit a pair of prongs projecting from a spring-clip, which latter is engaged over the sewing-machine arm. The prongs have a frictional hold within the vertical groove, in order that the shade may be conveniently shifted either up or down, as occasion may require. Furthermore, the sides or back of the groove may be corrugated or notched to afford a positive hold of the clip-prongs when the shade is applied to large machines driven by power, as hereinafter more fully described.

In the annexed drawings, Figure 1 is a side elevation of a sewing machine having my shade applied thereto. Fig. 2 is a perspective view of the shade detached from the machine. Fig. 3 is an enlarged perspective view of the spring-clip detached from the shade. Fig. 4 is an enlarged vertical section through the arm and notched groove of the shade, the spring-clip being seen engaged with one of said notches.

A represents the shade, which may be of any size, shape, and material, although it usually consists of a sheet of tin about six inches wide by eight inches high. This shade is grooved centrally and vertically, as at B, to admit the prongs C C′ of a spring-clip, D, which clip can be readily engaged over the arm E of a sewing-machine, as seen in Figs. 1 and 4. Clip C C′ D is usually made of a single piece of spring-wire bent in the manner seen in Fig. 3, the wire being bound together by a tie, F, and the prongs C C′ having a tendency to diverge or spread apart at their upper or free ends. G is a lamp or other artificial light placed behind the shade or screen. To use this shade the prongs C C′ are first compressed or drawn together, so as to enable them to be inserted within the groove B, and then said prongs are permitted to expand and bear against the opposite sides of said groove. Clip D is now engaged over the arm E, and the shade is readily raised or lowered to bring it to the proper position for protecting the operator's eyes from the light of the lamp G. This adjustment is easily effected, because there is no positive engagement of the prongs with the groove, and yet the frictional hold of said prongs is sufficient to prevent accidental shifting of the shade; but when the shade is to be applied to a machine driven by power the expedient shown in Fig. 4 may be resorted to. Here the groove B has a rack, *b*, wherewith the upper ends of the prongs are engaged. This arrangement prevents the shade sliding down, no matter how violently the machine may vibrate.

I claim as my invention—

1. The shade A, having a vertical groove, B, in combination with the detachable spring-clip D, having laterally-spreading prongs C C′, for the purpose described.

2. The shade A, having a notched vertical groove, B *b*, in combination with the detachable spring-clip D, having prongs C C′, for the purpose described.

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

WILLIAM H. LANFERSIEK.

Witnesses:

JAMES H. LAYMAN,

WILLIAM C. LAHMANN.