

H. T. STAIN.
Sewing Machine.

No. 42,149.

Patented March 29, 1864.

Fig. 1

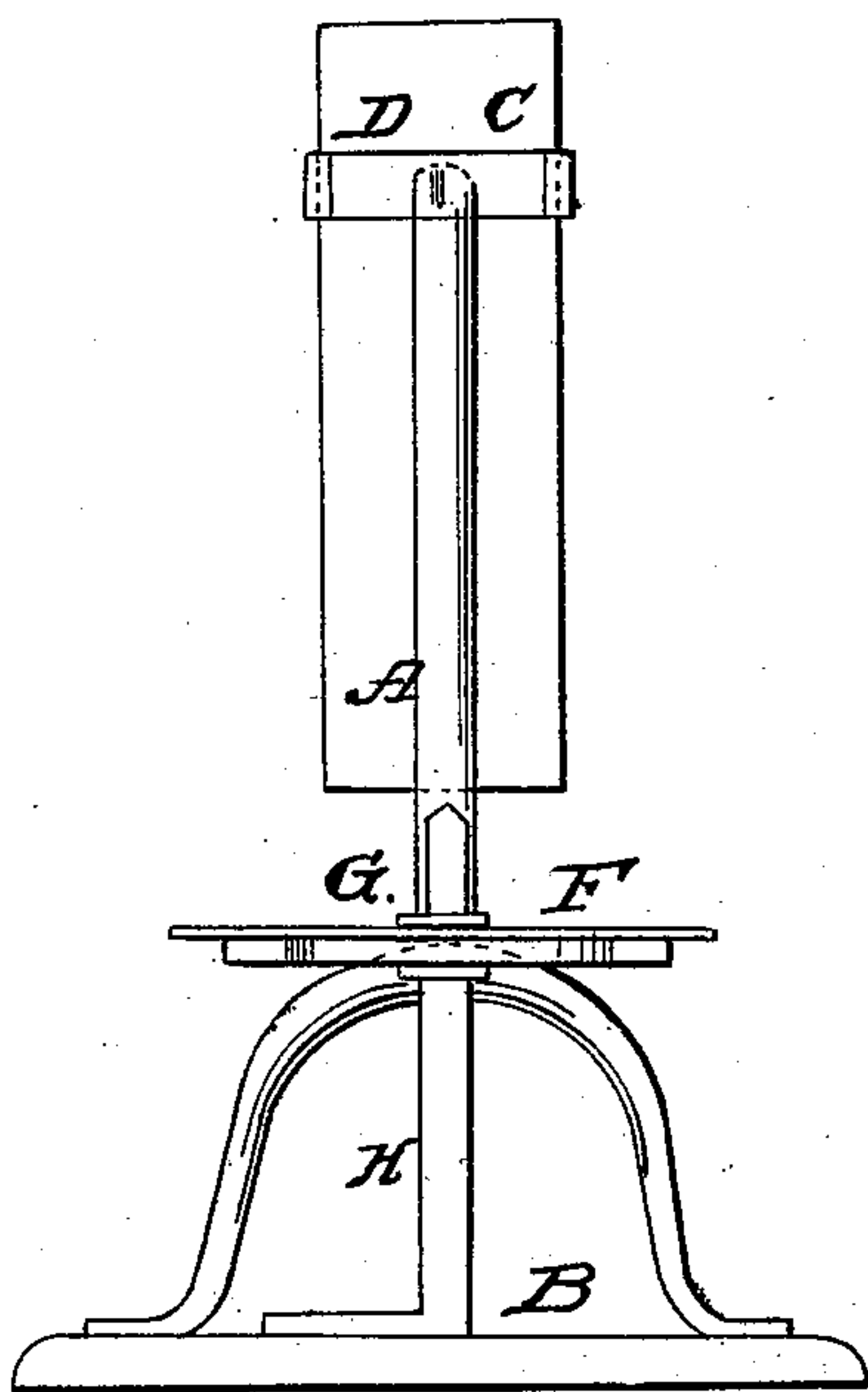


Fig. 3

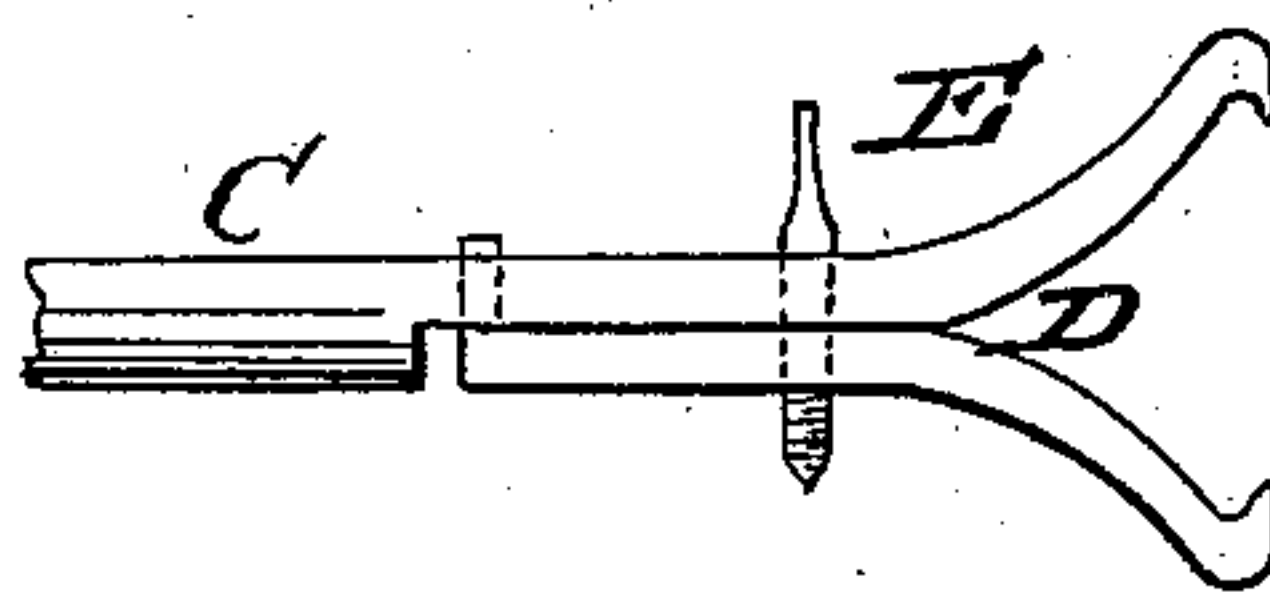
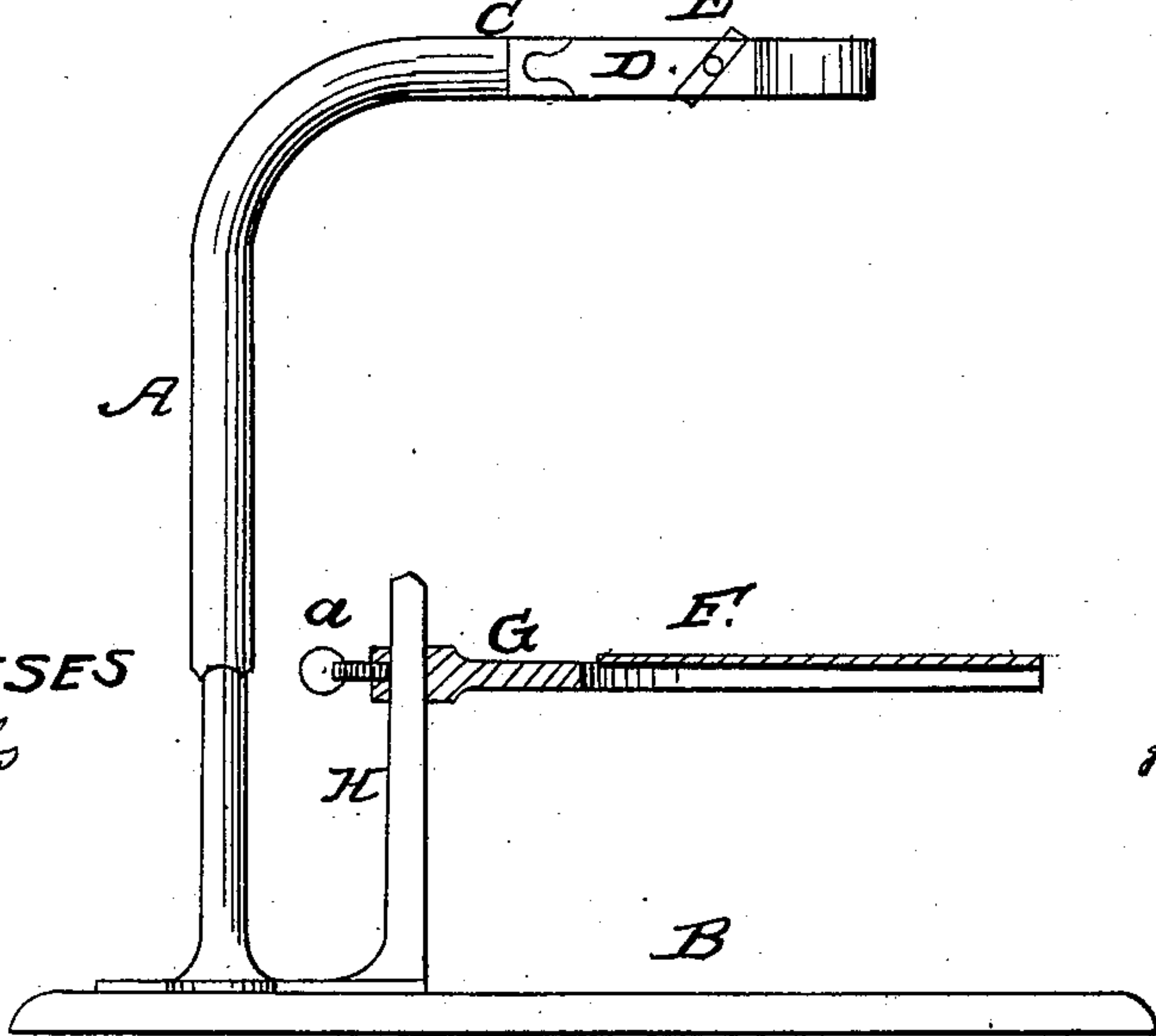


Fig. 2



WITNESSES
Geo Coombs
Geo Reed

INVENTOR
Henry T. Stain
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UNITED STATES PATENT OFFICE.

HENRY T. STAINS, OF SCOTTSVILLE, ASSIGNOR TO ROBERT BAIRD, OF SHIRLEYSBURG, PENNSYLVANIA.

IMPROVEMENT IN SEWING-MACHINES.

Specification forming part of Letters Patent No. 42,149, dated March 29, 1864.

To all whom it may concern:

Be it known that I, HENRY T. STAINS, of Scottsville, in the county of Huntingdon and State of Pennsylvania, have invented a new and useful Improvement in Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a sectional front elevation of my invention. Fig. 2 is a sectional side elevation of the same. Fig. 3 is a plan or top view of the clamp.

Similar letters of reference in the three views indicate corresponding parts.

The object of this invention is a device capable of holding stationary the stitching device of Henry Hudson, patented November 1, 1859, or any other similar stitching device, in proper position over an adjustable table, in such a manner that said stitching device can be used as a stationary sewing-machine. The stitching device of Henry Hudson consists essentially of a flat plate of sheet metal or other suitable material, provided with a vertical arbor and cams to impart motion to two needles, and with a curved foot; and the original idea of the invention, as described in the patent above referred to, has been to produce a self-feeding automatic stitch-forming device which can be carried or will carry itself over the stretched or stationary fabric. In experimenting with his machine I found that the same could be used with advantage as an ordinary sewing-machine, in which the stitching device remains stationary and the fabric is fed along by the action of the machine. With this object in view I have constructed a clamp and table which forms the subject of this present improvement, and which will be readily understood from the following description.

A represents a standard, made of iron, either cast, malleable, or wrought, or of any other suitable material, and fastened down by means of screws, or in any other desirable manner, upon a bed-plate, B. This bed-plate may be made of cast metal and cast solid with the standard A; or it may be made of wood or any other suitable material. Said standard rises from the bed-plate in a vertical direction, and its upper end is turned at right angles, or nearly so, as clearly shown in Fig. 2 of the drawings, thus forming a horizontal arm, C, from which the sewing-machine is suspended. In order to be able to fasten the sewing-machine to said arm in an expeditious manner, I have provided the same with a screw-clamp, D, one jaw of which is formed by the end of the arm, its other jaw being secured to said arm by a thumb-screw, E. By means of this thumb-screw the bed-plate of the sewing-machine can be firmly secured between the jaws in any desired height above the bed-plate B, from which the standard A rises.

The fabric or material to be stitched is supported by a table, F, which is provided with an arm, G, fitting on a square stud, H. This stud is firmly secured to the bed-plate B, and a set-screw, *a*, passing through the end of the arm G, serves to adjust the table at any desired height.

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

The employment or use of a standard, A, and screw-clamp D, in combination with a vertically-adjustable table, F, and with the bed-plate of a stitching device, all constructed and operating substantially as and for the purpose herein shown and described.

HENRY T. STAINS.

Witnesses:

WM. J. HAMPSON,
RUDOLPH MYERS.