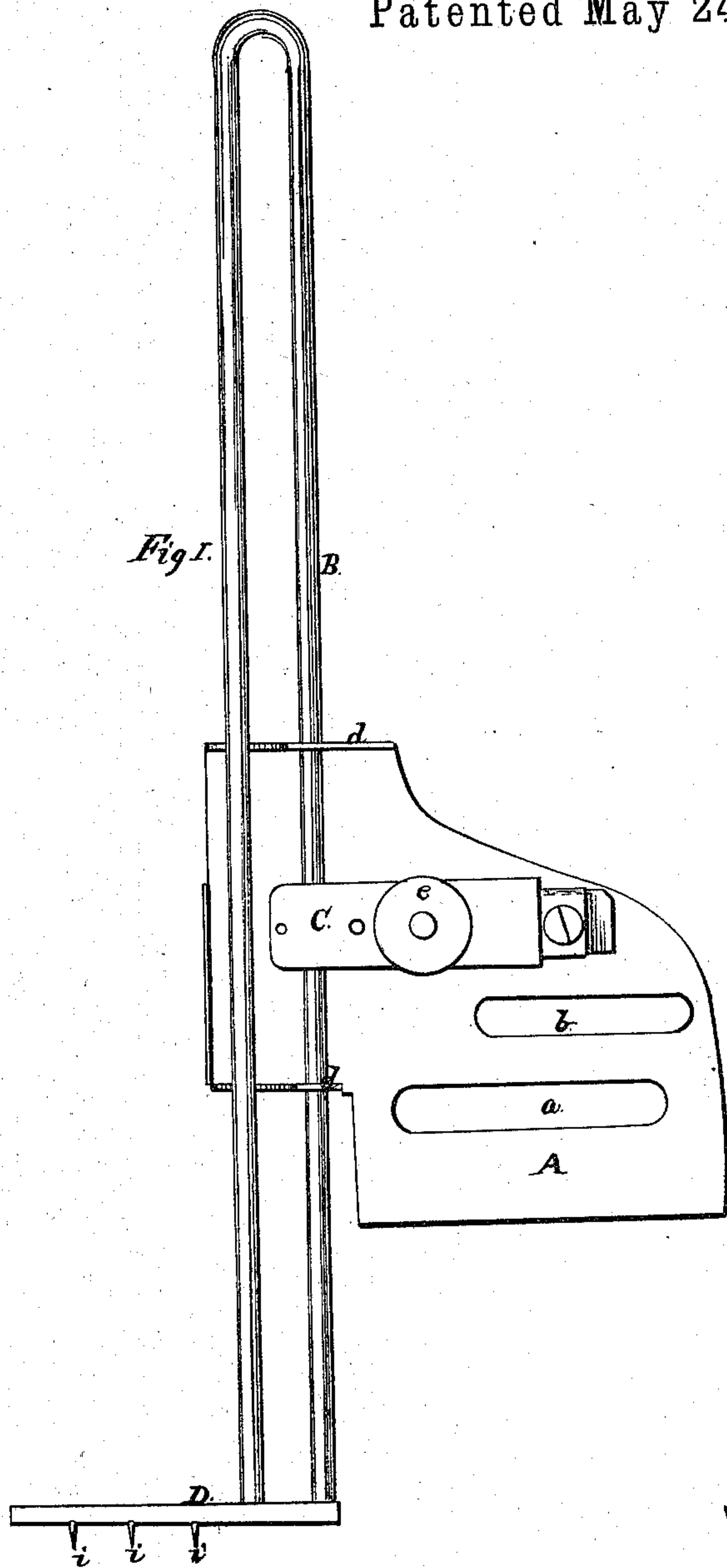


H. A. FISHER.
GATHERING ATTACHMENT FOR SEWING MACHINES.
No. 103,318. Patented May 24, 1870.



Witnesses.
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HART A. FISHER, OF ELYRIA, OHIO.

Letters Patent No. 103,318, dated May 24, 1870.

IMPROVEMENT IN GATHERING ATTACHMENT FOR SEWING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same

I, HART A. FISHER, of Elyria, in the county of Lorain and State of Ohio, have invented certain Improvements in Gathering Attachments to Sewing-Machines, of which the following is a specification.

The nature of this invention relates to a device to be attached to sewing-machines for gathering and sewing onto a band the cloth or fabric sewed.

The following is a description of its construction and operation, reference being had to the accompanying drawing, in which—

Figure 1 is a plan view;

A is a plate of metal of suitable size and form, which may be secured to the cloth-plate of a sewing-machine by means of a thumb-screw in either of the slots *a b*.

On the front and rear sides of the plate A are flanges *d d*, turned up, through which are made holes in which a guide-rod, B, plays, which is made double, the two being parallel.

On the plate A is fixed a tension-bar, C, bearing upon the rod B, the tension being adjustable by the thumb-screw *e*.

A piece of leather, or other suitable material, is secured to the under side of the bar C, where it bears on the rod B.

On the front end of the rod B is a cross-head, D, in which is set a number of pin-points, *i i*.

The operation of this device is as follows:

The plate A being properly placed and secured to the cloth-plate of the sewing-machine, the rod B is drawn forward to full extent, when the cloth to be gathered, together with the band, is placed under the presser-foot of the machine, the band on top. The band is placed on the pin-points *i i* only; the tension-bar C is turned down sufficiently to cause the rod B to be drawn but a little at each movement of the feed, the cloth under the band being taken up the full extent of the feed, thus gathering the cloth under the band and sewing it at the same time.

The amount of cloth gathered may be regulated by increasing and diminishing the pressure of the tension-bar C on the rod B.

I claim—

The tension-bar C, thumb-screw *e*, guide-rod B, cross-head D, and pin-points *i i*, all constructed and arranged as shown, and for the purpose set forth.

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Witnesses:

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