

F. W. BROWN.

Tuckers for Sewing-Machines.

No. 146,377.

Patented Jan. 13, 1874.

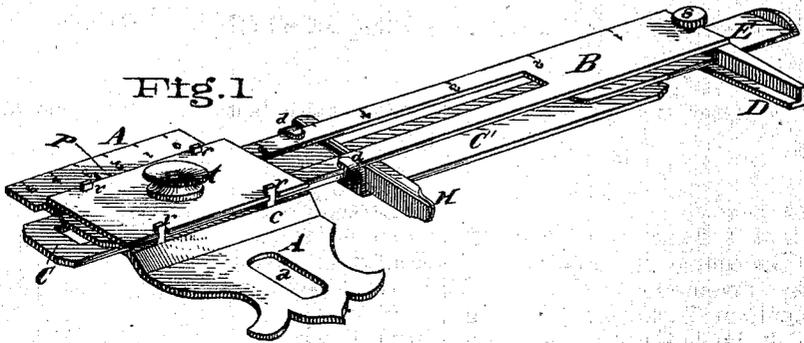


Fig. 2

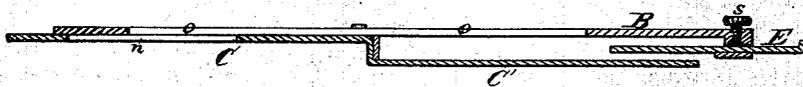


Fig. 3

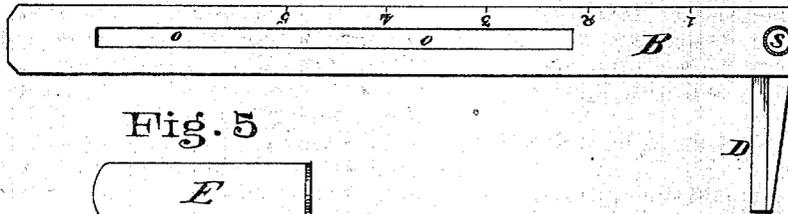


Fig. 5

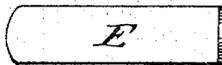
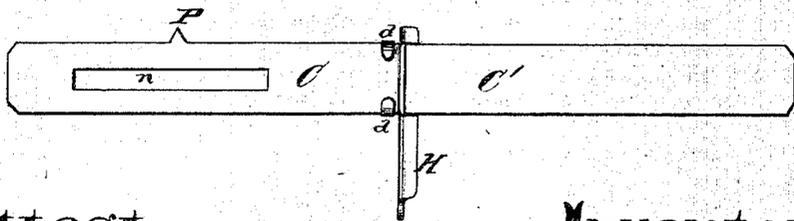


Fig. 4



Attest

Herman Merrett
John C. Lara

Inventor

Francis W. Brown
By Wood & Boyd
his Attorneys

UNITED STATES PATENT OFFICE.

FRANCIS W. BROWN, OF CINCINNATI, OHIO.

IMPROVEMENT IN TUCKERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **146,377**, dated January 13, 1874; application filed August 11, 1873.

To all whom it may concern:

Be it known that I, FRANCIS W. BROWN, of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Tuckers for Sewing-Machines, of which the following is a specification:

Figure 1 is a perspective view of my improvement. Fig 2 is a sectional view of the adjustable arms. Fig. 3 is a plan view of the top of arm B. Fig. 4 is a plan view of the guide-plate C; Fig. 5, a plan of the adjustable arm E.

The nature of my improvement relates to that class of tuckers in which the material is guided by the adjustment of gages, "markers" being dispensed with. My invention chiefly consists in providing an adjustable arm, which prevents the completed tuck from resting upon the material during its passage through the attachment, thereby causing the work to be done more smoothly and with less attention from the operator.

Other features of my invention will be hereinafter described.

A represents the main stationary plate, which is secured to the bed-plate of the machine by a set-screw in slot *a*. *c* represents the elevated bed, upon which the adjustable arms B C slide. *r r* represent guides for keeping arms B C from lateral movement, and these arms are held in position by a set-screw, *t*, passing through slots *o n*. Between this set-screw and the arms B C is a thin plate or washer, which enables the set-screw to perform its office more effectually.

It is unnecessary to more fully describe the parts represented by A, B, C', C, and H, as they are fully described in Letters Patent granted to me August 12, 1873.

Instead of employing a hook upon plate B, as in my former device, I use the gage D. (Shown in Figs. 1 and 3.) A similar gage may be employed in place of the hook-plate H.

E represents a supporting-arm, projecting inward, between arms B and C', through gage D, as shown in Fig. 1. It is made to slide loosely therein, so as to be adjustable; and it may be secured in any desired position by means of set-screw S. Its office is to separate the fold of a completed tuck from the material, upon which it would otherwise rest during the passage of the goods through the attachment, thus serving to pass the same through more freely, smoothly, and with less attention from the operator, and, at the same time, its use enables the tuck to be made more even or true.

The mode of using my improved tucker is the same as that already described in my previous patent, above referred to, with this change: Arm E is adjusted to project under the completed tuck, while each secondary or successive one is being stitched, a sufficient distance to completely separate each tuck or plait from the material upon which it is folded.

Having described my improvement, what I claim as my invention is—

The adjustable tuck-supporting arm E, arranged to slide in the gage D between the plates B C', all combined and arranged substantially as herein described, for the purpose specified.

In testimony whereof I have hereunto set my hand this 8th day of August, 1873.

FRANCIS W. BROWN.

Witnesses:

EDWARD BOYD,
JOHN O'GARA.