

No. 756,256.

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H. S. MACGREGOR, DEC'D.
R. J. MACGREGOR, ADMINISTRATRIX.
BOOK SEWING BENCH.
APPLICATION FILED JAN. 2, 1904.

NO MODEL.

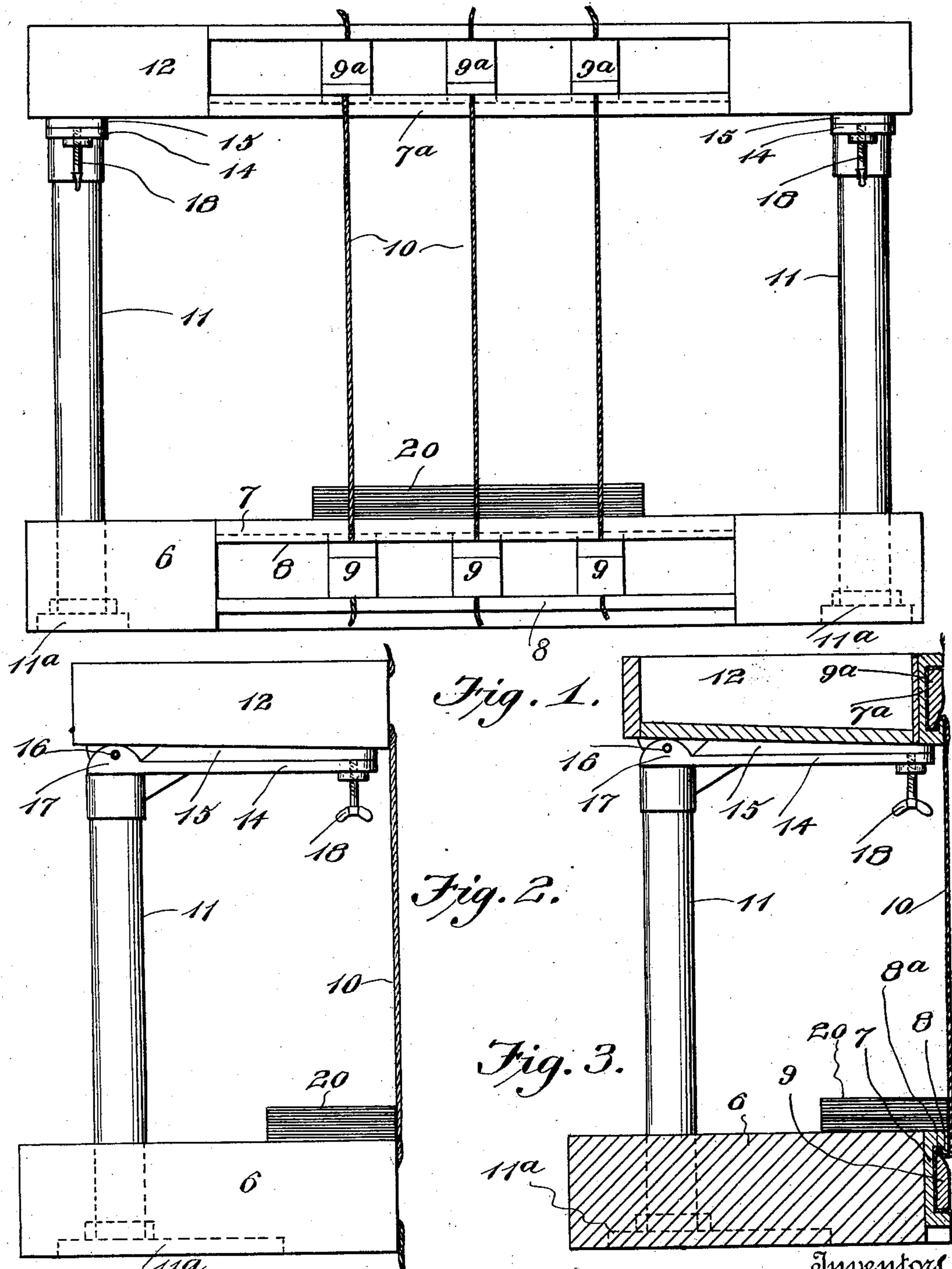


Fig. 1.

Fig. 2.

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

ROSE J. MACGREGOR, OF CLEVELAND, OHIO, ADMINISTRATRIX OF
HENRY S. MACGREGOR, DECEASED.

BOOK-SEWING BENCH.

SPECIFICATION forming part of Letters Patent No. 756,256, dated April 5, 1904.

Application filed January 2, 1904. Serial No. 187,591. (No model.)

To all whom it may concern:

Be it known that HENRY S. MACGREGOR, deceased, late a citizen of the United States, and a resident of Cleveland, in the county of Cuyahoga and State of Ohio, of whose estate I, ROSE J. MACGREGOR, of Cleveland, Ohio, am administratrix, did invent new and useful Improvements in Book-Sewing Benches, of which the following is a specification.

This invention relates particularly to benches used in sewing books by hand, and is characterized especially by improvements with respect to the manner of holding the cords or tapes to which the signatures are sewed and also with respect to an improved overhanging support for such cords, the standards for which are set back from the edge of the bench, so as not to interfere with the arms of the sewer.

Further objects and advantages will be apparent from the following description and the accompanying drawings, in which—

Figure 1 is a front elevation of the bench. Fig. 2 is a side elevation thereof, and Fig. 3 is a cross-section.

Referring specifically to the drawings, 6 indicates the table or bed of the bench, and this has at its front edge a recess, in which is fitted a casting 7, the top edge of which is flush with the top of the table. This casting has a channel or recess in the face thereof, forming flanges 8, the upper of which is undercut, as at 8^a, to receive the points of blocks 9, which are wedged in the channel to hold the cords 10 in place. The channel extends along the whole front face of the casting, so that the blocks and cords may be located in any desired position.

At 11 are indicated tubular standards, which support the upper bar 12, to which the cords are fastened at the upper end to stretch the same. These standards 11 are fitted at the bottom into castings 11^a of considerable size, which castings are let into the bed or table from the under side thereof, the intent and result being to give a firm and substantial base for the standards. The standards are set back a considerable distance from the front edge of the table, so as to give a large clearance in front for the hands and arms of the operator.

At the top the standards have forwardly-projecting arms 14, which are of sufficient length to bring the front edge of the bar 12 directly over the front edge of the table. The bar 12 is mounted upon hinge members 15, which are pivoted at the rear end at 16 between ears 17, projecting at the top of the standards. The bar 12 is carried fast upon these hinge members, and to lift the bar and strain the cords hand-screws 18 are used. These are tapped through bosses formed on the outer ends of the arms, and the screws bear at their ends against the under side of the hinge members 15. Manipulation of the screws will raise or lower the hinge members and the bar 12 in an obvious manner.

In the front edge of the bar 12 a casting 7^a is fixed in all respects similar to the casting 7. It has a channel with an undercut flange to receive the wedge-blocks 9^a, which bind the cords in the same manner as above indicated with respect to the table edge.

In the use of the bench the cords or tapes are fastened at the lower ends in the casting at the edge of the table by means of the wedge-blocks 9 and are then fastened at the top in a similar manner in the casting at the front edge of the cross-bar 12. They are then stretched taut by means of the hand-screws, and are thus held in proper position for sewing the signatures thereto, the signatures being placed against the twines, as indicated at 20, in a manner common in the art. It will be seen that the overhang produced by the arms 14 permits the standards to be set back, so that they are well out of the way of the operator, and the means for fastening the cords at the ends are simple and effective and also permit the cords to be fastened at any place along the length of the channel in the plates 7 and 7^a. The bench may thus be easily accommodated to books of different sizes, and any desired number of twines or tapes may be used.

What is claimed as new, and desired to be secured by Letters Patent, is—

1. A book-sewing bench comprising a table, standards thereon set back from the front edge thereof, a cross-bar supported on the standards and projecting forwardly over the

front of the table, and fastenings for cords or tapes at the front edge of said table and bar.

2. A book-sewing bench comprising a table and a cross-bar supported above the same, 5 castings having channels, in the front edges of the table and bar, and wedge-blocks fitting the channels and constructed to fasten cords or tapes therein.

3. A book-sewing bench comprising a table, 10 standards thereon, a cross-bar hinged to the top of the standards, cord-fastenings at the front of the table and bar, and means to turn the cross-bar on its hinges.

4. A book-sewing bench comprising a table, 15 standards thereon, set back from the front edge thereof and having forwardly-projecting arms at the top, a vertically-adjustable

cross-bar supported on the arms, and cord-fastening devices on the table and cross-bar.

5. The combination with a table, of stand- 20 ards thereon having forwardly-projecting arms at the top, a cross-bar hinged to the top of the standards, adjusting-screws between the arms and the bar, and cord-fastening devices on the table and bar. 25

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROSE J. MACGREGOR,
Administratrix of the estate of Henry S. Mac-
Gregor, deceased.

Witnesses:

JOHN A. BOMMARDT,
LOTTIE NEWBURN.