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G. R. MOCK

1,452,696

SUPPLEMENTAL WORK SUPPORT FOR PORTABLE SEWING MACHINES

Filed June 28, 1920

Fig. 1.

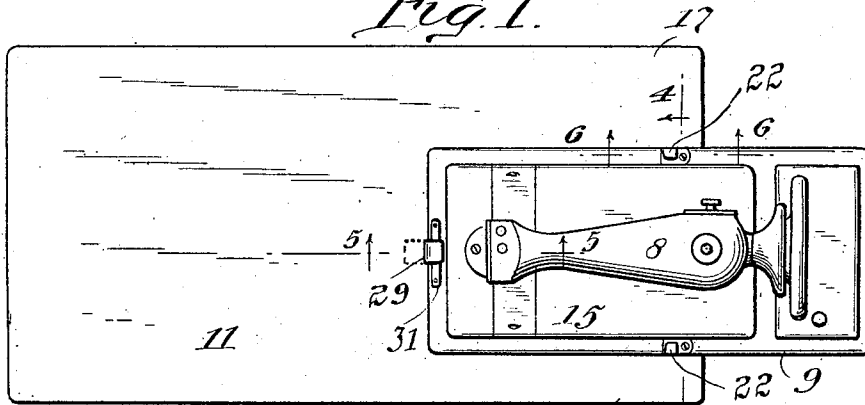


Fig. 2.

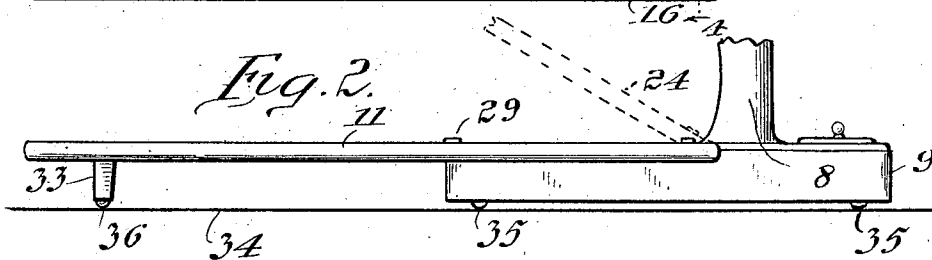


Fig. 3.

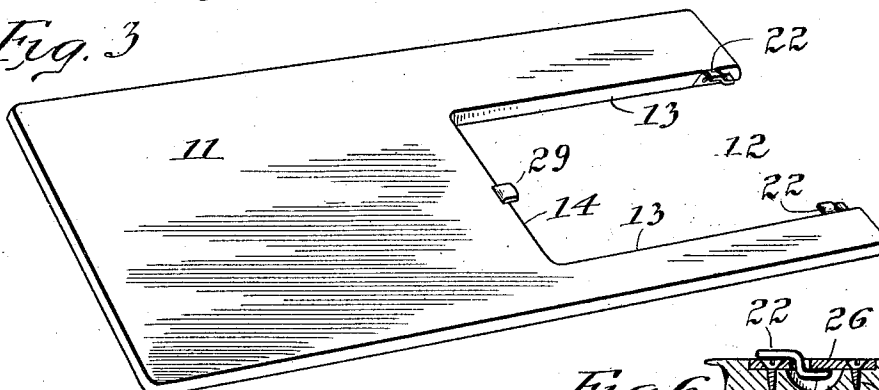


Fig. 4.

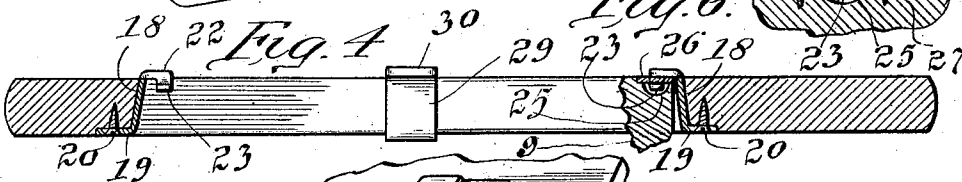


Fig. 6.

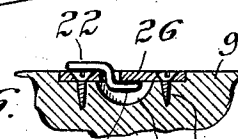


Fig. 5.

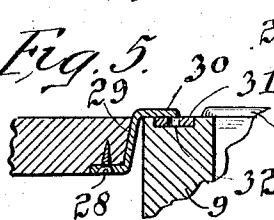
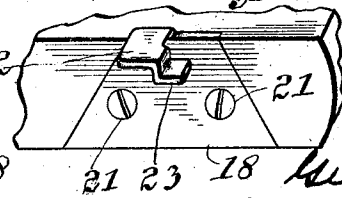


Fig. 7.



Inventor:

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By Jno. L. Elliott, Atty.

UNITED STATES PATENT OFFICE.

GEORGE R. MOCK, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-THIRD TO ROBERT L. CAMPBELL, OF CHICAGO, ILLINOIS.

SUPPLEMENTAL WORK SUPPORT FOR PORTABLE SEWING MACHINES.

Application filed June 23, 1920. Serial No. 392,316.

To all whom it may concern:

Be it known that I, GEORGE R. MOCK, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Supplemental Work Supports for Portable Sewing Machines, of which the following is a full, clear, and exact specification.

This invention is concerned with supplemental work supports for portable sewing machines, heretofore confined and limited to a portion of the top surface of the bed-plate of the sewing machine in a plane substantially above the surface of the table upon which the sewing machine is placed for its operation.

The prime object of my invention broadly stated, is a work support of unlimited area for portable sewing machines adapted to be detachably secured to the base of the machine, with its top surface maintained substantially in a plane parallel with that of the bed-plate of the machine.

A further object of my invention is to provide a portable sewing machine with a work support not only extending along the side of its bed-plate for a considerable distance, and forwardly beyond the work-supporting end thereof, but which also provides for an arm rest for the operator during the operation of the machine.

Another object of my invention is to provide means by which the supplemental work support may be conveniently attached to and detached from the bed-plate of a portable sewing machine in such a manner that it may be securely locked against longitudinal and lateral movement without the aid of tightening screws or other devices requiring manipulation for actuating them towards and from their locking position.

A still further object of my invention is to provide for locking the supplemental work support to the bed-plate of the machine by means of locking devices which do not project in a plane materially above the plane of the surface of the bed-plate or supplemental work support and which are secured in their operative position on tilting the supplemental work support from an abnormal to its normal operative position, and vice versa for disengaging it from the sewing machine.

With these ends in view, my inventions finds

embodiment in certain features of novelty in the construction, combination and arrangement of parts, by which said objects and certain other objects are attained, all as hereinafter described with reference to the accompanying drawings, and more particularly pointed out in the appended claims.

In said drawings,—

Fig. 1 is a top plan view of a portable sewing machine and the supplemental work support therefor in their operative position.

Fig. 2 is a side elevation of the same, with dotted lines indicating the abnormal position of the supplemental work support, for engaging and disengaging the locking devices therefor.

Fig. 3 is a perspective view of the supplemental work support detached from the machine.

Fig. 4 is a cross-section taken on the line 4—4 of Fig. 1, looking in the direction of the arrows.

Fig. 5 is an enlarged detail section taken on the line 5—5 of Fig. 1.

Fig. 6 is a detail section taken on the line 6—6 of Fig. 1; and

Fig. 7 is an enlarged detail in perspective of the locking tongue shown in Fig. 6.

Similar characters of reference indicate the same parts in the several figures of the drawing.

8 indicates a portable sewing machine, the base 9 for which is commonly made of wood, and the edges of which, next its upper surface, are provided with and surrounded by a single, slightly outwardly projecting bead 10, and 11 is a supplemental work support or table provided at one end with an open slot 12, the opposing side walls 13—13 and end wall 14 of which are inwardly beveled for the purpose of securing their close fit against the outwardly projecting bead 10.

The slot 12 is of a depth and width adapted to receive about two-thirds of the length of the bed-plate 15 of the machine, and, in any event, of a depth sufficient to present a surface adapted to support the goods passing beneath the overhanging arm of the machine, and an arm rest 16 for the operator, which may be of less width than the opposing arm 17.

Respectively countersunk in the inner edges of the arms 16 and 17, is a truncated wedge-shaped plate 18, provided at its bottom edge with a flange 19 countersunk in the

underside of the table and secured thereto by a set-screw 20, and for which purpose other set-screws 21—21 may be projected laterally through the plate into the edges of these arms, as indicated in Fig. 7.

Integrally connected with and projecting outwardly and laterally from the plate 18 is a lug 22, which, in cross-section, is Z-shaped and terminates in a horizontal latch-piece 23, which, when the table is in an inclined position, as indicated at 24 in Fig. 2, is adapted to be projected into a recess 25 in the base 8, and when the board is lowered to its normal position, to lie flat against a plate 26 secured to the base by means of one or more set-screws 27, the width of the slot being such as to prevent lateral movement of the latch-piece 23 when in its operative position against the plate 26.

Secured to the end wall 14 of the slot by means of a set-screw 28 is a Z-shaped plate 29 preferably countersunk therein, the arm 30 of which plate is adapted to overlap and be supported by a plate 31 provided with a perforation 32 and commonly employed for receiving the bolt of the lock for the cover (not shown) of the machine, which cover, as usual, is provided in its edges with hooks (not shown), and the bed of the machine with the recess 25 and plate 26 for securing the cover against accidental detachment from the wooden base of a portable sewing machine.

In other words, my invention provides a work-supporting table and locking devices firmly secured thereto adapted to be secured to the base of a portable sewing machine without any change in the construction of such base before provided wholly for the purpose of securing and locking in its operative position the detachable cover commonly accompanying such machines.

For the purposes of relieving the locking devices of the table from strains tending to bend or break them, the table is provided, toward its free end, with a leg or legs 33, so that when, for the operation of a portable sewing machine, it is placed upon a kitchen or other table, the plane of the surface of the work supporting table will be substantially that of the plane of the upper surface of the bed-plate of the machine, as indicated in Fig. 2 by the line 34.

Portable sewing machines are usually provided with rubber balls 35—35 and therefore the leg 33, with a rubber cushion 36, for preventing the table from being scratched and also reducing the transmission of vibrations from the machine to the table and vice versa.

With the understanding that I am the first to provide a portable sewing machine with a table substantially supplementing the work-supporting surface of the bed-plate thereof, and which may be detachably locked

against displacement in any direction from its operative position, when its working surface is in a plane with that of the bed-plate, it will at once be apparent that my invention is not limited to the form and construction herein disclosed, and that my invention includes broadly a table for a portable sewing machine supplementing the work-supporting surface thereof, provided with any means by which it may be detachably secured in its operative position against lateral displacement relative to such a machine.

Furthermore, it is also apparent that my invention is not limited to such a table formed in one piece, and that, for the purposes of convenience in shipping and storage, it may be formed of a number of detachable or else hinged sections foldable one upon the other.

Having described my invention, what I claim and desire to secure by Letters Patent is:—

1. A detachable work support for a portable sewing machine, consisting of a table, provided with edges adapted to oppose one end edge and the side edges of the bed-plate of the machine, said end edge having secured thereto a plate provided with a hook-shaped arm adapted to overlap the adjacent surface of the bed-plate and thereby furnish a support accordingly for the supplemental table.

2. A detachable supplemental work support for a portable sewing machine, provided with edges opposing one end edge and the side edges of the bed-plate of the machine, an arm secured to said support and projecting to overlapping engagement with the adjacent surface of the bed-plate of the machine, a vertical leg for said support located in the vicinity of the free end of and adapted to maintain said support with its operating surface in a plane substantially that of the working surface of the bed-plate.

3. A detachable supplemental work support for a portable sewing machine, provided with an opening towards one end thereof, a plate secured to the opposing side walls of said opening, provided with a laterally extending Z-shaped member, the free end of which is adapted to be projected into recesses normally adjacent the edges of the bed of the machine, provided with an overhanging plate and whereby on swinging the supplemental support to its operative position the under-surface of said overhanging plate is engaged by the free end of said Z-shaped member.

In witness whereof, I have hereunto set my hand and affixed my seal, this 22nd day of June, A. D. 1920.

GEORGE R. MOCK. [L. s.]

Witness:

JNO. G. ELLIOTT.