

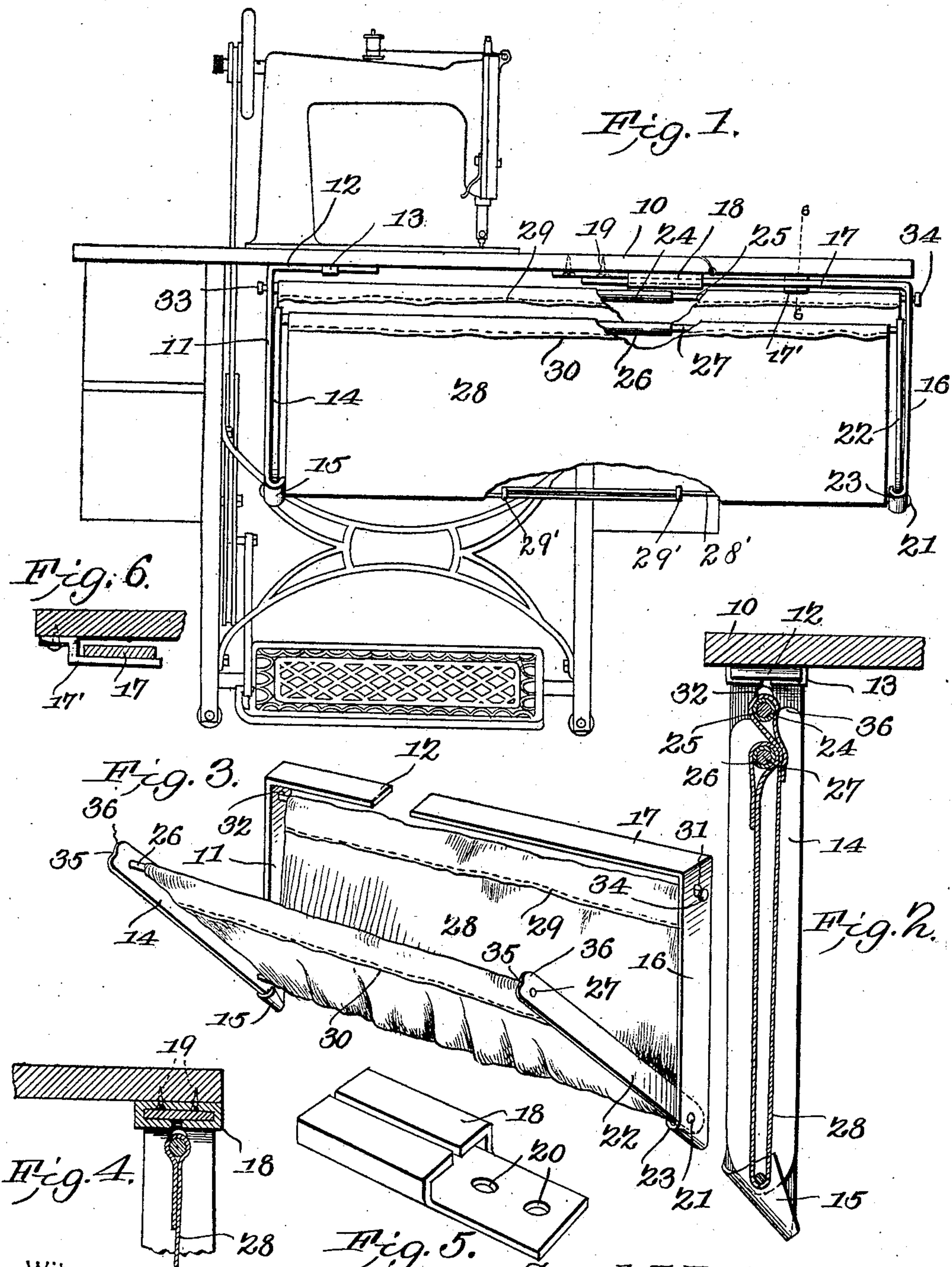
No. 829,830.

PATENTED AUG. 28, 1906.

S. L. BAILEY.
WORK ATTACHMENT FOR SEWING MACHINES.

APPLICATION FILED DEC. 19, 1905.

2 SHEETS—SHEET 1.



Witnesses
E. H. Stewart
L. J. Merrill

Sarah L. Bailey, Inventor.
by *C. A. Snow & Co.*
Attorneys

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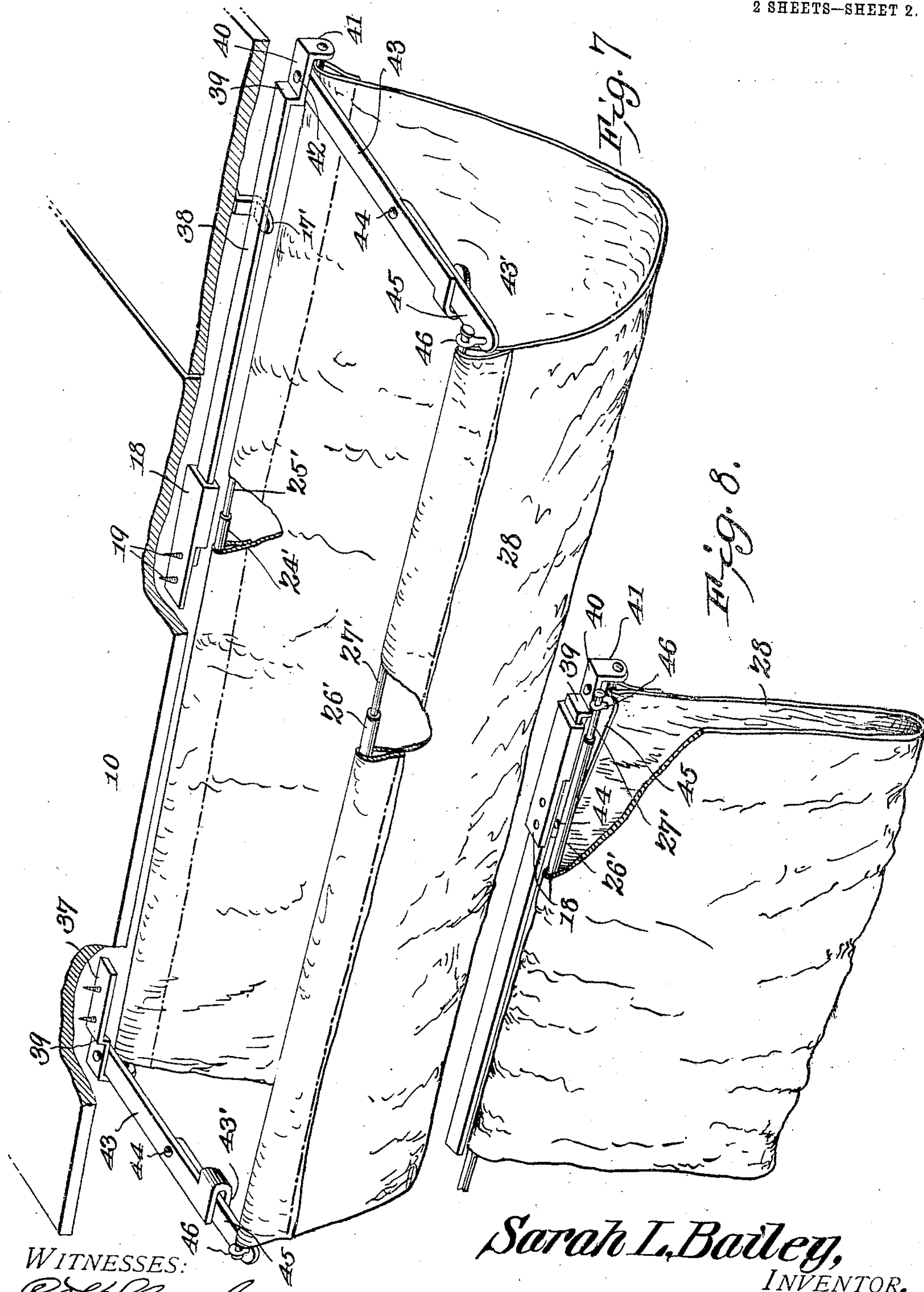
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Sarah L. Bailey,
INVENTOR.

By *C. A. Snow & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

SARAH LAMBERT BAILEY, OF FRANKFORT, MICHIGAN.

WORK ATTACHMENT FOR SEWING-MACHINES.

No. 829,830.

Specification of Letters Patent.

Patented Aug. 28, 1906.

Application filed December 19, 1905. Serial No. 292,486.

To all whom it may concern:

Be it known that I, SARAH LAMBERT BAILEY, a citizen of the United States, residing at Frankfort, in the county of Benzie and State of Michigan, have invented a new and useful Work Attachment for Sewing-Machines, of which the following is a specification.

This invention relates to sewing-machine attachments, and more particularly to an improved work-holder especially designed for attachment to the sewing-machine table and adapted to receive and support the work while the latter is being operated upon, so as to prevent the work from coming in contact with the floor and soiling or otherwise injuring the same.

A further object of the invention is to provide a work-holder which may be adjusted longitudinally of the sewing-machine table and compactly folded beneath the same when not in use.

A further object is to generally improve this class of devices, so as to add to them utility and durability, as well as to reduce the cost of manufacture.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in form, proportions, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of a work-holder construction in accordance with my invention, showing the leaf of the table elevated and the holder adjusted to fit beneath the same. Fig. 2 is a vertical sectional view of a portion of the sewing-machine table, showing the device folded beneath the same. Fig. 3 is a perspective view of the device detached and adjusted for use with the drop-leaf down. Fig. 4 is a transverse sectional view showing the manner of attaching the movable frame. Fig. 5 is a detail perspective view of the supporting-clip detached. Fig. 6 is a detail transverse sectional view taken on the line 6 6 of Fig. 1.

Fig. 7 is a perspective view of a modified form of the device. Fig. 8 is a similar view of one end of the holder, showing the same in closed position.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The improved device comprises a supporting-frame designed for attachment to the rear edge 10 of a sewing-machine table and consists of a stationary arm 11, having one end thereof bent laterally at 12 and secured to the table by a clip 13, while the opposite end thereof is pivoted to a swinging arm 14 and provided with a terminal inclined lip or flange 15, adapted to form a stop to limit the outward swinging movement of the movable arm or member 14.

Disposed in spaced relation to the arm 11 is a similar arm 16, provided with an angular extension 17, mounted for sliding movement in a bracket or keeper 18, fastened in any suitable manner to the under side of the table, as by screws 19, passing through suitable openings 20.

Pivoted at 21 to the lower end of the arm 16 is a swinging arm or member 22 similar in construction to the member 14 and adapted to engage a similar inclined lip or stop 23, formed on the adjacent end of the arm 16.

Carried by the upper end of the arm 11 is a tubular member 24, adapted to receive a rod 25, extending laterally from the arm 16, while secured to the swinging arm 14 is a similar member 26, which telescopes a rod 27, secured to and extending inwardly from the swinging arm 22.

In order to prevent undue sagging of the fabric 28 and to assist in retaining the support or pocket in proper shape, there is provided a pair of rods 28', the outer ends of which preferably form the pivotal connection between the arms 11 and 14 and the arms 16 and 22, while the inner end of each rod is provided with a terminal eye 29' for the reception of the adjacent rod.

Suspended from the rods connecting the side members of the supporting-frame and secured thereto, as by rows of stitching 29 and 30, is a strip of cloth or other fabric 28, which when the movable arms are swung to open position form a pocket or support for reception of the goods being operated upon, so

as to prevent the same from coming in contact with the floor or frame of the machine and soiling or otherwise injuring the goods.

The opposite ends of the tube 24 and rod 25 pass through suitable slots 31 and 32 in the arms 11 and 16 and are formed with terminal heads or knobs 34 to prevent longitudinal displacement of said rods and tubes.

The free ends of the swinging arms 14 and 22 are formed with notches or recesses 35, defining shoulders 36, adapted to engage and elevate the tube 24 and rod 25 in the slots 32 and 31 when the swinging arms are moved to closed position, so that tube and rod will drop by gravity into the recesses 35, and thereby hold the movable arms in folded position.

It will be understood that when the drop-leaf of the sewing-machine table is raised the arm 16 is extended to the position shown in Fig. 1 of the drawings and supported in extended position by means of a suitable supporting-clip 17', fastened to the bottom of the drop-leaf and engaging the angular extension 17, as shown, and when the leaf is closed the parts are telescoped, as shown in Fig. 3.

When the device is not in use, the same may be compactly folded beneath the table by moving the swinging arms to the position shown in Fig. 2 and in which position the shoulders 36 will engage the tube 24 and rod 25 and securely hold the same in closed position.

To open the support or pocket, it is simply necessary to exert an outward pull on the free ends of the swinging arms, when the shoulders 36 will elevate the rod and tube and permit said arms to swing outwardly until they engage the stops 15 and 22.

In Figs. 7 and 8 of the drawings there is illustrated a modified form of the invention in which the supporting-arms 11, 14, 16, and 22 are dispensed with and the supporting-frame formed of a stationary member 37 and a movable or sliding member 38. In this form of the device the members 37 and 38 are offset at 39 to form flat bearing-surfaces 40, provided with depending perforated ears 41 for the reception of tube 24' and rod 25'. Pivoted to the flat bearing-surface 40, as indicated at 42, are horizontally-disposed arms 43, to which are pivoted at 44 similar arms 45, having loops or eyes 46 swiveled in the ends thereof and adapted to receive the tube 26' and rod 27', respectively, the fabric forming the work support or pocket being suspended from the connecting-rods as before described. The arms 43 are preferably extended beyond the pivotal points 44 and the free end thereof provided with terminal laterally-disposed hooks or flanges 43', adapted to engage the adjacent edges of the arms 45, so as to hold said arms in alinement and reinforce and strengthen the same. It will thus

be seen that by folding the arms 43 and 45 inwardly at the pivots 44 and moving the same to the position shown in Fig. 8 the device may be folded against the rear edge of the table, so as to take up very little space when the same is not in use.

While the device is especially designed for use in connection with sewing-machines, it is obvious that the same may be used with equally good results on sewing-tables, work-tables, or wherever a device of this character may be found desirable.

Having thus described the invention, what is claimed is—

1. The combination with a table, of a supporting-frame secured thereto and adjustable longitudinally with respect to the table, a vertically-movable rod carried by the frame, arms pivoted to the frame and having their free ends foldable beneath the table and provided with terminal recesses, and a flexible connection between the arms and the movable rod and forming a work-receiving pocket, said recesses being adapted to engage the rod for locking said arms in folded position.

2. The combination with a table, of a supporting-frame secured thereto and adjustable longitudinally of one edge of the table, a vertically-movable rod carried by the frame, arms pivoted to said frame and provided with terminal recesses, a flexible connection between the arms and movable rod and forming a work-receiving pocket, means carried by the frame for limiting the pivotal movement of the arms, said recesses being adapted to engage the movable rod for locking the arms in folded position.

3. The combination with a table of a supporting-frame secured thereto and adjustable longitudinally of one edge of the table, arms pivoted to the frame, telescopic rods forming the pivotal connection between the arms and said frame, a flexible connection between the arms and frame and having its intermediate portion extending beneath the telescopic rods, and means for locking the arms in folded position.

4. The combination with a table, of a supporting-frame secured thereto and adjustable longitudinally of the table, arms pivoted to the frame and foldable beneath the table, a flexible connection between the arms and frame and forming a work-receiving pocket, telescopic rods forming the pivotal connection between the arms and frame respectively and means for locking the pivoted arms in folded position.

5. The combination with a table, of a supporting-frame secured to one edge of the table and adjustable longitudinally thereof, arms pivoted to the frame and foldable beneath the table, telescopic rods connecting the free ends of the arms, a flexible connection between the rods and the frame and

forming a work-receiving pocket, means for limiting the pivotal movement of the arms, and means for locking said arms in folded position.

5 6. The combination with a table, of a supporting-frame secured to and adjustable longitudinally along one edge of the table and provided with alined slots, an extensible rod engaging the walls of said slots, swinging
10 arms pivoted to the frame and having their free ends provided with terminal recesses defining shoulders adapted to engage the extensible rod for locking said arms in folded position, and a flexible connection between
15 the rod and arms and forming a work-receiving pocket.

20 7. The combination with a table, of a supporting-frame secured to and adjustable along one edge of the table and provided with laterally-extending hooks forming stops, swinging arms pivoted to the frame and adapted to engage said hooks, said arms be-

ing foldable beneath the table, a telescopic rod connecting the free ends of the arms and a flexible connection between the rod and
25 frame and forming a work-receiving pocket.

8. The combination with a table, of a supporting-frame secured thereto and adjustable longitudinally of the table, swinging arms pivoted to the frame and foldable beneath
30 the table, an extensible rod connecting the arms, an apron connecting the frame and extensible rod and forming a work-receiving pocket, and a longitudinally-adjustable rod forming the pivotal connection between the
35 frame and the pivoted arms.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

SARAH LAMBERT BAILEY.

Witnesses:

GEORGE M. MOORE,
HATTIE ROBERTSON.