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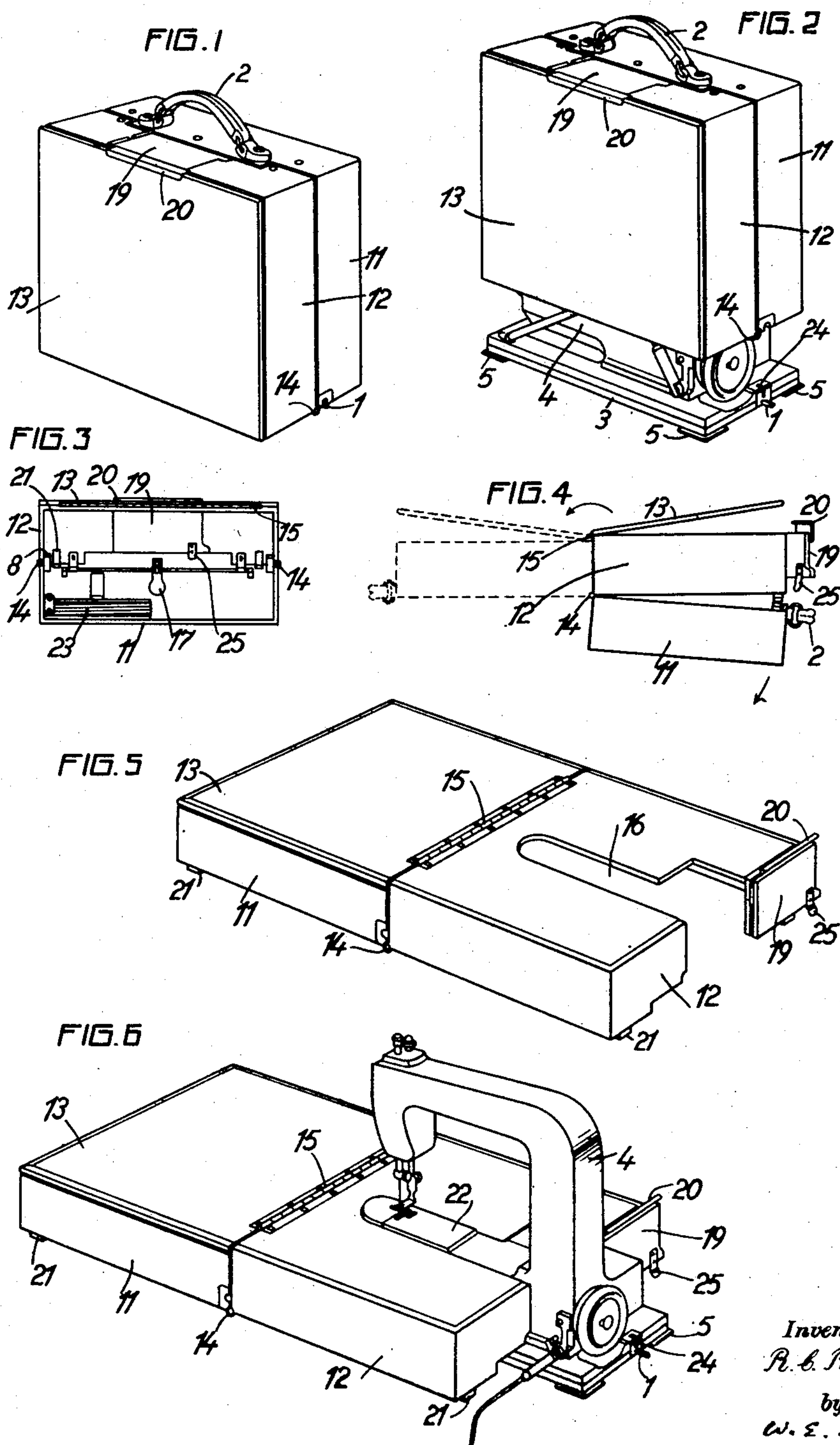
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2,148,645

PORTABLE CASING TRANSFORMABLE INTO A TABLE FOR SEWING MACHINES

Filed Dec. 9, 1936

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

FIG. 7

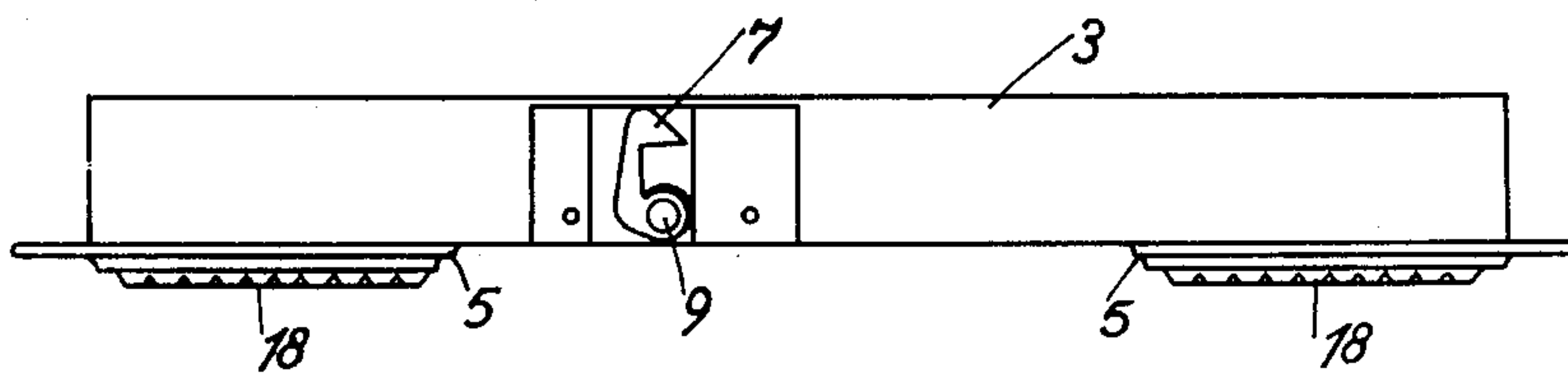
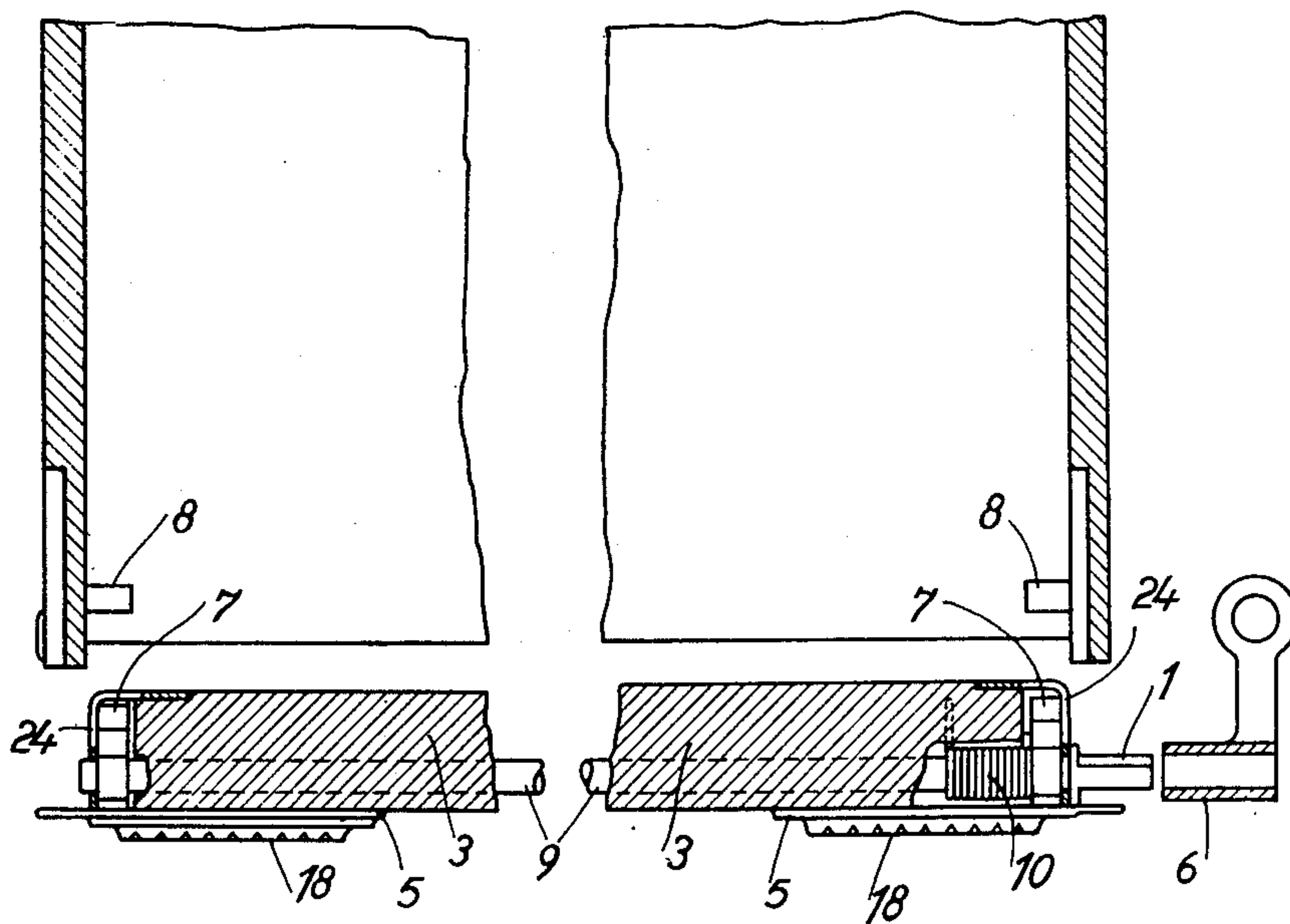


FIG. 8



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UNITED STATES PATENT OFFICE

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PORTABLE CASING TRANSFORMABLE INTO A TABLE FOR SEWING MACHINES

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7 Claims. (Cl. 45—68.2)

The invention has among its objects to provide a portable casing in which to place and to carry portable sewing machines and which is also adapted to be used as a work-table by a convenient changing of the positions of its component parts in such manner that the table is disposed at the level of the plate of the machine on which the garment or other object to be sewn is placed.

The use of a portable casing of this kind to form the casing of the sewing machine avoids the use of additional tables for increasing the surface on which the garment may be placed, so that the machine itself need only be provided with a platform of reduced area in the form of an elongated arm, so that certain articles or parts of garments of a tubular form, such as sleeves, stockings, or like articles, can be sewn.

The invention is diagrammatically illustrated by way of example in the accompanying drawings:—

Figure 1 is a perspective view of the outside of the portable casing according to the invention.

Figure 2 is a view corresponding to Figure 1, assuming that the cover is slightly raised away from the base.

Figure 3 is an elevation of the portable casing without the sewing machine and disposed horizontally, the view being taken looking from the bottom upwards.

Figure 4 is a side elevation illustrating the method of opening the casing.

Figure 5 is a perspective view of the casing opened out ready for use as a table or platform for a sewing machine.

Figure 6 is a view corresponding to Figure 5, but showing the sewing machine fitted to the opened casing serving as a platform.

Figure 7 is an elevation showing the base of the sewing machine adapted for the mounting thereon of the casing serving as a cover for the machine.

Figure 8 is a sectional elevation of the base of the machine showing the locking device for the casing as well as the lower part thereof.

The portable casing according to the invention is released or locked in relation to the base of the machine by means of a bolt 1. After release the casing can be raised by means of the handle 2 from the base 3 of the machine, which in the closed position, forms the base of the casing, as shown in Figure 2.

To the base 3 are secured the component parts

of the sewing machine. The base 3 is provided with four feet 18, preferably of rubber, secured by means of corresponding metallic frames which project a certain distance from the base 3 so that they may serve as a support for the part of the portable casing forming the actual cover or case in the form of a rectangular cover 11—12.

The cover 11—12 is provided on the inside with two projections 8, 8 (Figure 8) disposed in such manner that, when the cover is lowered, the projections engage in notches or slots 24, 24 where they are retained by means of latches 7, 7 which are subject to the force of springs 10 secured on a common shaft 9 on which may be set the key 6 for opening the casing. These latches 7 move elastically when the projections 8 are introduced into the notches or slots 24, 24, since they are set to present surfaces at a slightly oblique angle to the path of movement of the projections. By reason of this arrangement the key 6 alone is adapted to open the casing.

The cover 11—12 formed as a parallelepiped which serves to enclose the machine is divided into two leaves; the leaf 11 is less in depth than the leaf 12, the difference being represented by the thickness of a panel 13. The two leaves 11, 12 are held together at the opening of the cover by two hinges 14, 14, which permit of the leaves being moved through 180°, as is clear from Figure 4.

The hinge 15, by which the panel 13 is hinged to the leaf 12, also permits of a relative movement through 180° so that the panel may come to rest on the leaf 11 when the latter is in the unfolded position, and may equalize the height of the leaf 11 with that of the leaf 12, thus forming a work-table when the two leaves are opened out in the horizontal positions, (see Figure 5).

In pivoting about the hinge 15, the panel 13 uncovers one wall of the portable casing. In this wall is formed a slot 16 in which may be received the platform 22 and the lower part of the machine 4, as is shown in Figure 6. When the leaves 11 and 12 are brought together to reform the portable casing in its rectangular form, the panel 13 is revolved about the hinge 15 to cover the slot 16 by laying against the wall in which the slot is formed, as is shown in Figure 4. Thus the panel 13 protects from surface wear the surface of the table formed as has been described, by the two extended leaves 11 and 12.

The opening in the upper or end wall of the leaf 12 in continuation of the slot 16 is closed

by a shutter 19 hinged at one side of the said opening to swing outwardly upon the adjacent part of the said end wall.

Feet such as 21 support the table assembly (Figures 5 and 6) so that it rests at the level of the platform 22 through which the needle of the sewing machine reciprocates.

In order to swing the leaves 11 and 12 to the open position, the hand must first be introduced inside the cover forming the body of the portable casing to grip a handle 17 fixed to a spindle carrying bolts, so that the bolts may be operated to release the two leaves, which up till then have been held by the bolts so that they may be separated. On the separation of the leaves the shutter 19 is also released from the closed position in which it has been retained by a metal member 25 which is adapted to extend inwardly on the inner face of the end wall of the leaf 11.

When the leaves 11 and 12 are separated, it thus becomes possible to raise a shutter 19 which up till then had held the panel 13 by means of an annular member 20 of angular form, so that the said panel can be swung on the hinge 15. In order to close the portable casing, the reverse procedure is followed. The opening of the shutter 19 allows the machine 4 to be fitted into the slot 16 when it is desired to use the opened out casing as a work-table.

At 23 is disposed a drum or similar member on which is wound the flex supplying the electric current for the working and lighting of the machine.

I claim:—

1. A casing for portable sewing machines, comprised by a base member and a hollow bell-like cover removably connected to the base member, the said cover consisting of two parts meeting along a plane normal to the base member and pivotally connected together to revolve relatively into alignment about an axis that is transverse to and disposed at the mouth of the cover, the said parts of the cover when in alignment and resting upon the edges which when the cover is closed are in contact constituting a hollow table of an inverted tray-like form, the upper surface of which is formed by the side walls of the parts and the end walls of which are respectively formed by the two parts of the top of the cover.

2. A casing for portable sewing machines provided with a base member and an elevated work platform, comprised by the base member of the machine and a hollow bell-like cover removably connected to the said base member, the said cover consisting of two parts meeting along a plane normal to the base member and pivotally connected together to revolve relatively about an axis that is transverse to the mouth of the cover into alignment, the said parts of the cover when in alignment forming a hollow table of an inverted tray-like form, the end walls of which are respectively formed by the two parts of the top of the cover, the side wall and end wall of one of the said parts being slotted to permit the hollow table to be disposed in position in relation to the sewing machine to dispose the work platform as part of the said slotted side wall.

3. A casing for portable sewing machines pro-

vided with a base member and an elevated work platform, comprised by the base member of the machine and a hollow bell-like cover removably connected to the said base member, the said cover consisting of two parts meeting along a plane normal to the base member and pivotally connected together to revolve relatively about an axis that is transverse to the mouth of the cover into alignment, the said parts of the cover when in alignment forming a hollow table of an inverted tray-like form, the end walls of which are respectively formed by the two parts of the top of the cover, the side wall and end wall of one of the said parts being slotted to permit the hollow table to be disposed in position in relation to the sewing machine to dispose the work platform as part of the said slotted side wall, a panel hingedly mounted upon the said slotted side wall to cover the said slot when the two parts form the cover, and means for retaining the said panel in position.

4. A casing for portable sewing machines according to claim 3, having a shutter to close the slotted end wall, the said shutter being pivotally attached to the end wall for removal for admission of the sewing machine into the slot.

5. A casing for portable sewing machines according to claim 3, having a shutter to close the slotted end wall, the said shutter being pivotally attached to the end wall for removal for admission of the sewing machine into the slot, the said shutter carrying a retaining element to engage the hinged panel when in the closed position.

6. A casing for portable sewing machines according to claim 3, having a shutter to close the slotted end wall, the said shutter being pivotally attached to the end wall for removal for admission of the sewing machine into the slot, the said shutter carrying a retaining element to engage the hinged panel when in the closed position, and bolts on the inner side of the parts of the cover for locking together the parts of the cover and the shutter.

7. A casing for portable sewing machines provided with a base member and an elevated work platform, comprised by the base member of the machine and a hollow bell-like cover removably connected to the said base member, the said cover consisting of two parts meeting along a plane normal to the base member and pivotally connected together to revolve relatively about an axis that is transverse to the mouth of the cover into alignment, the said parts of the cover when in alignment forming a hollow table of an inverted tray-like form, the end walls of which are respectively formed by the two parts of the top of the cover, the side wall and end wall of one of said parts being slotted to permit the hollow table to be disposed in position in relation to the sewing machine to dispose the work platform as part of the slotted side wall, a panel hingedly mounted upon the said slotted side wall to cover the said slot when the two parts form the cover, and means for retaining the said panel in position, the thickness of the two parts of the cover being different by the thickness of the panel so that the panel forms part of the top of the hollow table when the parts of the cover are revolved into alignment.

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