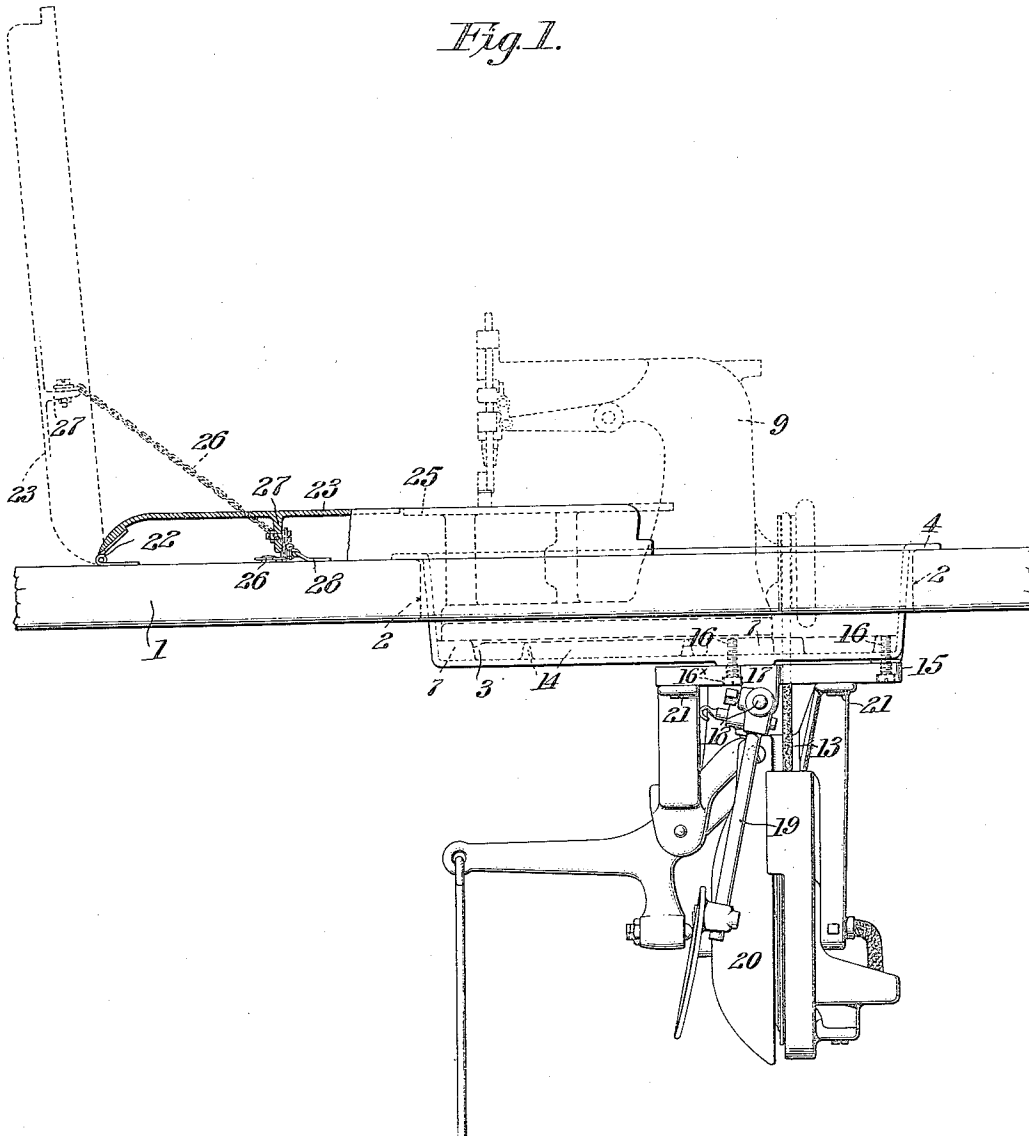


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SEWING MACHINE DRIP PAN.
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Patented Feb. 25, 1919.
2 SHEETS—SHEET 1.

Fig. 1.



WITNESS

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Fig. 2.

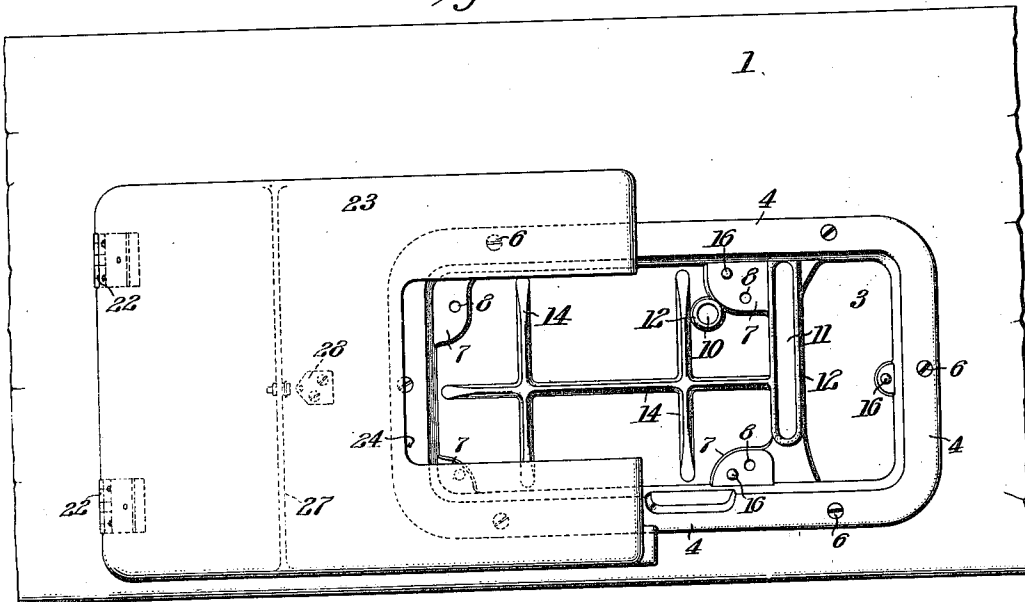
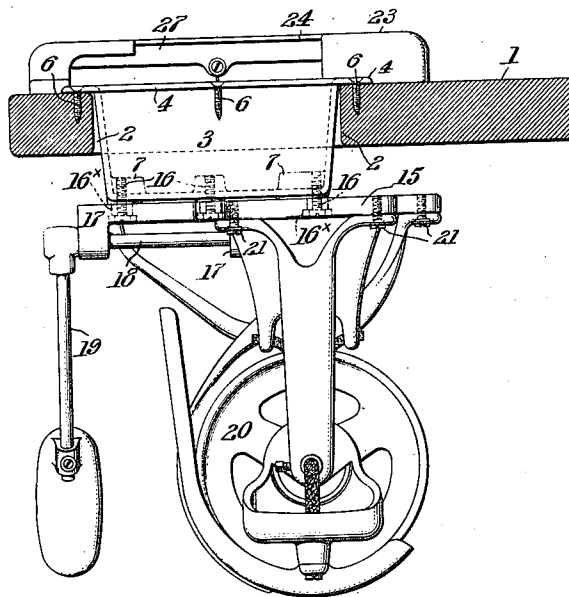


Fig. 3.



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UNITED STATES PATENT OFFICE.

ALBERT H. DE VOE, OF WESTFIELD, NEW JERSEY, ASSIGNOR TO THE SINGER MANUFACTURING COMPANY, A CORPORATION OF NEW JERSEY.

SEWING-MACHINE DRIP-PAN.

1,295,133.

Specification of Letters Patent.

Patented Feb. 25, 1919.

Application filed October 3, 1916. Serial No. 123,488.

To all whom it may concern:

Be it known that I, ALBERT H. DE VOE, a citizen of the United States, residing at Westfield, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Sewing-Machine Drip-Pans, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to power bench construction for sewing machines and especially to a drip-pan support therefor.

My invention aims to reduce vibration in power-driven sewing machines, to carry the weight of a sewing machine and auxiliary mechanism therefor from the upper face of the bench instead of below as heretofore, to insure proper alinement and assemblage of certain auxiliary mechanisms relative to a sewing machine, to increase the area of the cloth-sustaining surface, and to provide an adjustment for tightening the tension of the driving belt.

To the attainment of these ends a bench is provided with a substantially rectangular shaped opening in which is received a drip-pan having lateral flanges. Secured to the under side of the drip-pan are a power-transmitter and a knee-shift, the former being adjustable relative thereto. Hinged to the upper surface of the power-bench is an extended cloth surface provided with a U-shaped recess which, in normal operative position, is adapted to embrace upon three sides the cloth-plate of a sewing machine seated in the pan.

The invention further consists in certain details of construction which will appear from the following description of the device shown in the drawings in which Figure 1 is a side elevation of a power-bench equipped with my invention showing in dotted lines a sewing machine seated in the drip-pan. Fig. 2 is a plan view of the bench and Fig. 3 is an end elevation of the drip-pan, transmitter, knee-shift and the extended cloth surface in normal operative position.

A power-table made of any suitable material is provided with a substantially rectangular shaped recess 2 through which depends a drip-pan 3 having laterally extended flanges 4 provided with holes for receiving fastening screws 6. On the upper surface of the bottom of the drip-pan are

provided lugs 7 having threaded apertures 8 for removably securing a sewing machine shown in dotted outlines at 9 with its bed-plate 9' in spaced relation from the bottom of the pan. A hole 10 and elongated slot 11 having raised edges 12 are provided in the bottom of the pan to permit the passage therethrough of a chain (not shown) and a driving belt 13. Internally arranged on the bottom of the pan are stiffening ribs 14.

A supporting head 15 is adjustably secured to the bottom of the pan in any suitable manner such as by screws 16 and slots 16* and has lugs 17 drilled to form horizontal bearings for the pivot-pin 18 of a knee-shift 19. Depending from the supporting head 15 is a power-transmitter 20 of any suitable form removably connected to the head by the clamp-screw 21.

Hinged at 22 to the upper surface of the table is an auxiliary cloth-plate 23 recessed at 24 so as to embrace the work-plate 25 of the machine 9 on three sides. This auxiliary cloth-plate may be swung from its normal operative position a little more than ninety degrees to a position shown in dotted lines in Fig. 1 and held in such position by means of the chain 26 suitably secured to the reinforcing rib 27 of the extended cloth-plate 23 and an apertured clip 28 screwed to the upper surface of the bench.

From this description of the device it will be obvious that I have devised a compact arrangement in which a diminution of vibration incident to power driven machines is effected by the aggregate weight of the machine, drip-pan, knee-shift and power-transmitter, in which the weight of the parts is carried by flanges bearing on the upper surface of a power-bench, in which the area of the cloth-sustaining surface is increased, and in which an adjustment for tightening the tension of the belt is provided.

Having thus set forth the nature of the invention, what I claim herein is:—

1. A power table bench for sewing machines provided with an opening in combination with a sewing machine having a bed-plate and a drip-pan within which the sewing machine is seated on its bed-plate, said drip-pan being arranged within said opening of the bench and having laterally extending flanges resting upon the edges of the bench adjacent said opening.

2. A power-table bench for sewing machines provided with an opening, in combination with a drip-pan arranged within said opening and having laterally extending flanges overlying the bench about the opening therein, a plurality of openings with raised walls in the bottom of said drip-pan for preventing oil from dripping there-through, a power-transmitter and a knee-shift secured to the under side of the bottom of said drip-pan and respectively alined with said openings.

3. A power-table bench for sewing machines provided with an opening, in combination with a drip-pan arranged within said opening and having laterally extending flanges overlying the bench about the opening therein, a supporting head secured to the bottom of said drip-pan, a power-transmitter carried by said head, and a knee-lever having a horizontally arranged pivot suitably journaled in said head.

4. A power-table bench for sewing machines provided with an opening, in combination with a drip-pan arranged within said opening and having laterally extending flanges overlying the bench about the opening therein, a sewing machine having a cloth-plate and being seated within said drip-pan, and an auxiliary cloth-plate movably secured to the bench and having a recess embracing said cloth-plate thereby am-

plifying the cloth-sustaining area of a sewing machine cloth-plate.

5. A power-table bench for sewing machines provided with an opening, in combination with a drip-pan entirely depending through said opening, a sewing machine supported on the upper face of the bottom of said drip-pan, and driving mechanism depending from the lower face of the bottom of said drip-pan.

6. In a power-table bench having an opening, a drip-pan depending through the opening and having lateral flanges overlying the bench about said opening, and a power-transmitter adjustably secured to the bottom of said drip-pan whereby the belt may be tightened.

7. A sewing machine bench provided with an opening in combination with a trough-shaped drip-pan having a bottom wall from which rise side walls, flanges extending laterally from said side walls and resting upon the bench about the opening therein, whereby a sewing machine, having a work-plate spaced above its bed-plate, may be sustained from the top surface of the bench, with its work-plate spaced a less distance from the upper surface of the table than from the bed-plate of the machine.

In testimony whereof, I have signed my name to this specification.

ALBERT H. DE VOE.