

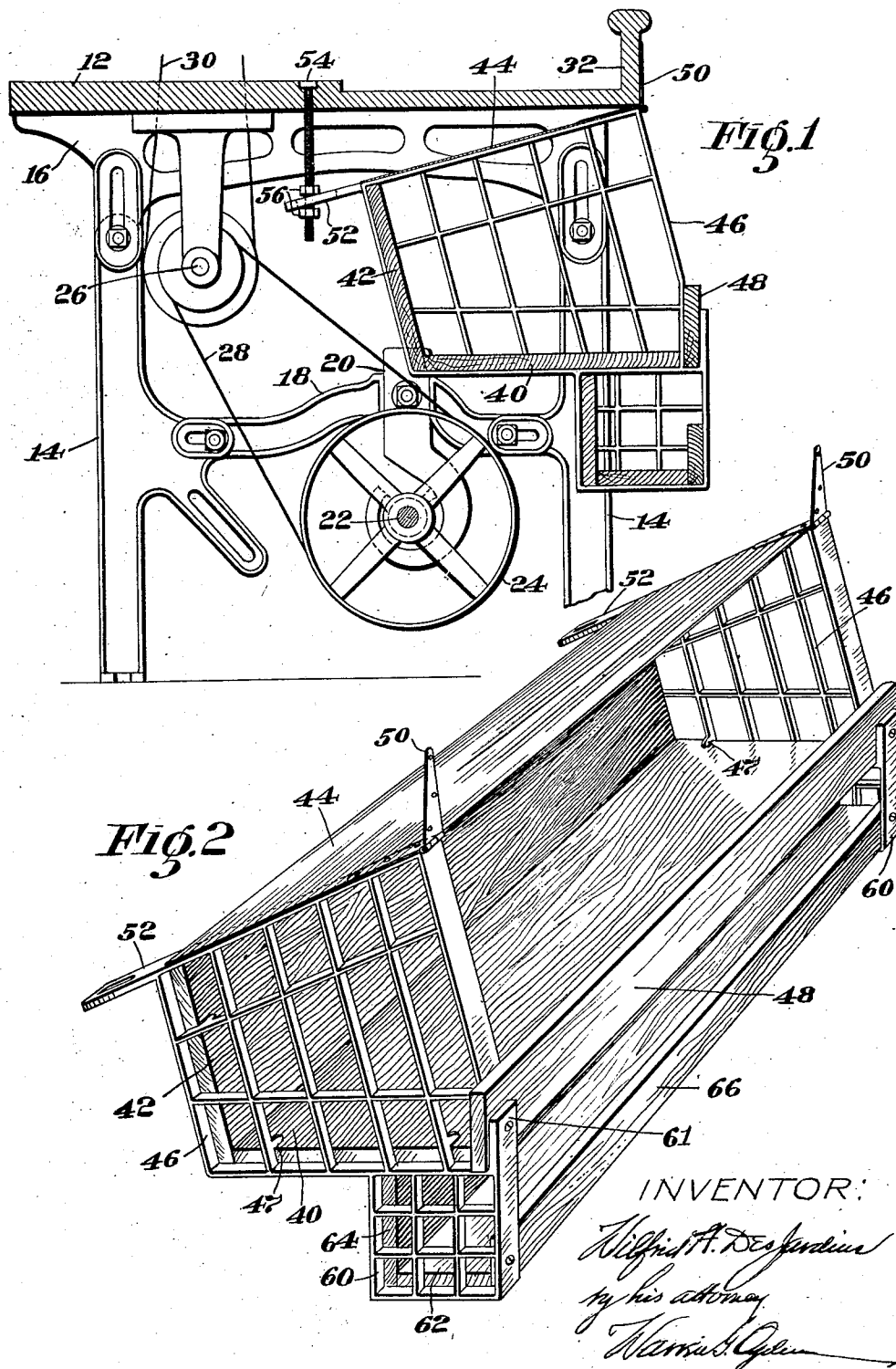
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WORK RECEPTACLE FOR MACHINE BENCHES

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WORK RECEPTACLE FOR MACHINE BENCHES

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This invention relates to work receptacles for use in connection with machine benches or power tables used in manufacturing establishments operating sewing machines, eye-
5 leting machines, folding machines or stitching room machinery in general. Such benches or tables are furnished as commercial equipment to shoe factories, for example, and are usually installed in long parallel
10 rows with the operators ranged along one edge. Floor space is always at a premium and the problem of maintaining and supplying work within easy reach of each operator and of affording a convenient place for
15 the disposal of finished work is always a serious one. It is desirable to keep the surface of the bench adjacent to the machine clear of all work except the particular case or lot upon which the operator is actually
20 engaged, in order to prevent confusion or mixing of the lots, loss of individual pieces from the bench, or damage by having the pieces crowded against the machine.

With these considerations in view, the object of the present invention is to provide a self-contained work receptacle which may be attached readily to any work bench of commercial type, in convenient position for an operator to reach in providing herself with
30 new work or depositing finished work. In addition to provision for readily attaching the receptacle to the bench, it is important to provide means for adjusting the position of the receptacle, since such benches are ordinarily equipped with a longitudinal driving
35 shaft and a series of transmitters or under drivers bolted to the under side of the bench and belted to the power shaft. In placing a work receptacle beneath such a bench, a location must be determined which will allow
40 proper clearance between the receptacle and the power shaft, belts, transmitters and other equipment.

The work receptacle herein disclosed provides a main compartment for the reception of cases or bundles of work and also a smaller auxiliary compartment for the purpose of holding spools of thread, bobbins and other small accessories of the machines. This
50 auxiliary compartment constitutes a desir-

able feature of construction but is not indispensable.

These and other features of the invention will be best understood and appreciated from the following description of a preferred embodiment thereof, selected for purposes of illustration and shown in the accompanying drawings, in which

Fig. 1 is a sectional view of a power bench showing the receptacle in position, and

Fig. 2 is a view in perspective of the complete receptacle.

The bench, which forms no part of the present invention, will first be described. This comprises a series of leg sections serving to support the top 12 of the bench and having provision for adjustment so that the top of the bench may be leveled even upon a uneven floor. As shown in Fig. 1, the leg section comprises two upright portions 14, adjustably secured by a bolt and slot connection to a transverse bracket 16 which extends beneath the table top 12 from back to front. The upright sections 14 carry an intermediate transverse bracket 18, also adjustably secured to the upright sections by bolt and slot connections and serving to carry an adjustable hanger 20 for a power shaft 22. The adjustable mounting of the bracket 18 and of the hanger in the bracket permit lining up the shaft and locating it in the most favorable position for the work in hand. The power shaft 22 is shown as provided with a driving pulley 24, by which it is connected, through the medium of the belt 28, to a transmitter 26 secured to the under side of the top of the bench.

The top of the bench is of wood and of relatively thick section in its forward portion above the transmitter 26 where the operating machine is to be bolted in place. Slots are shown in this portion of the table for the passage of the driving belt 30, by which the machine, not shown, is actuated from the transmitter 26. The rear portion of the table top is somewhat reduced in thickness and is provided at its rear edge with a rail 32.

The bench above described constitutes one well known form of commercial power table to which the work receptacle of my inven-

tion may be attached with particular advantage, although it is, of course, not limited to use with this or with any other particular type of table.

5 The work receptacle comprises an elongated compartment formed by a bottom shelf 40, a rear wall 42, a sheet metal protecting cover 44 and a pair of metal grilled end sections 46. A retaining rail 48 is also provided
10 at the front edge of the shelf or bottom 40. The end sections 46 may be castings or may be fabricated of strip stock. They might be of solid construction but, for the sake of appearance and lightness, I prefer the grilled
15 construction shown in the drawings, the only essentials being that the end sections should be sufficiently rigid to carry the longitudinal elements of the receptacle and constitute with them a rigid self-contained structure which
20 will not sag or loosen in use and which may be transported or stored in stock without deterioration.

The bottom shelf 40, the back wall 42 and the retaining rail 48 are preferably formed
25 of wood, while the protective cover 44 is formed of sheet metal, as it is intended to protect the articles in the receptacle from oil which might drip from the machines on the bench or be thrown by the mechanism be-
30 neath the bench. As shown, certain members of the grilled end sections are provided with barbs or lugs 47 for engaging the longitudinal members of the receptacle and provision is also made for additional securing means
35 in the shape of screws or bolts if desired.

For the purpose of adjustably attaching the receptacle to the bench, a pair of hinges 50 are provided, one being riveted to the metal of each end section 46 at the upper forward
40 corner thereof. The hinges may be screwed to the rear rail 32 of the bench top in attaching the receptacle, as indicated in Fig. 1. Each end section is also provided with a rearwardly extending arm 52, slotted to receive a threaded rod or bolt 54, having a pair
45 of clamping nuts 56 and depending from the top of the bench. It will be apparent that the receptacle as a whole may be tilted about the horizontal axis of its hinges 50 and clamped
50 in any desired position of angular adjustment by the nuts 56. This permits the receptacle to be so located as to insure the proper clearance between it and the belt 28, for example, or other parts of the bench
55 equipment.

The principal compartment of the receptacle, as clearly shown, is trapezoidal in cross section, with its upper and lower walls somewhat diverging and substantially open at its
60 front side, so that bundles of work may be easily deposited or withdrawn from it.

An auxiliary compartment is also provided beneath the principal compartment and co-
65 extensive therewith in length, for the purpose of containing spools or reels of thread, bob-

bins and other accessories. To this end, each end section is provided with an auxiliary portion 60 of the same character as its main portion, substantially rectangular in shape and depending from the lower edge thereof.
70 Secured between the portions 60 are a shelf 62, a back wall 64 and a front rail 66, which together form the auxiliary compartment. While the front rail 66 is secured within the outline of the end portion 60, its front edge is
75 extended to form a tongue 61, to which is secured the retaining rail 48 of the main compartment.

I have shown the receptacle of my invention as secured to the rear part of the power
80 bench in position to be utilized by the operator working at the next bench, who may conveniently turn and reach into the compartment to furnish herself with bundles of work delivered there by an attendant or to deposit
85 therein bundles of finished work. While this arrangement will be convenient in most cases, the receptacle may be located in any position suitable for the work in hand.

Having thus described my invention, what
90 I claim as new and desire to secure by Letters Patent is:

1. A self-contained attachable work receptacle for power work benches having an elongated shelf with a retaining rail, a rear wall,
95 end sections and a sheet metal protective cover, hinges secured to each end section for attachment to the edge of a bench, arms projecting rearwardly from the upper portion of each section, and threaded clamping means
100 cooperating with each arm.

2. A self-contained work receptacle for suspension beneath a power sewing machine bench, having a shelf, end sections carrying
105 hinges at one upper corner and outwardly projecting arms at the opposite upper corner, and means depending from the bench cooperating with said outwardly projecting arms for clamping said arms in various vertical positions and thereby effect an angular adjust-
110 ment of the receptacle with respect to the power mechanism beneath the bench.

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