

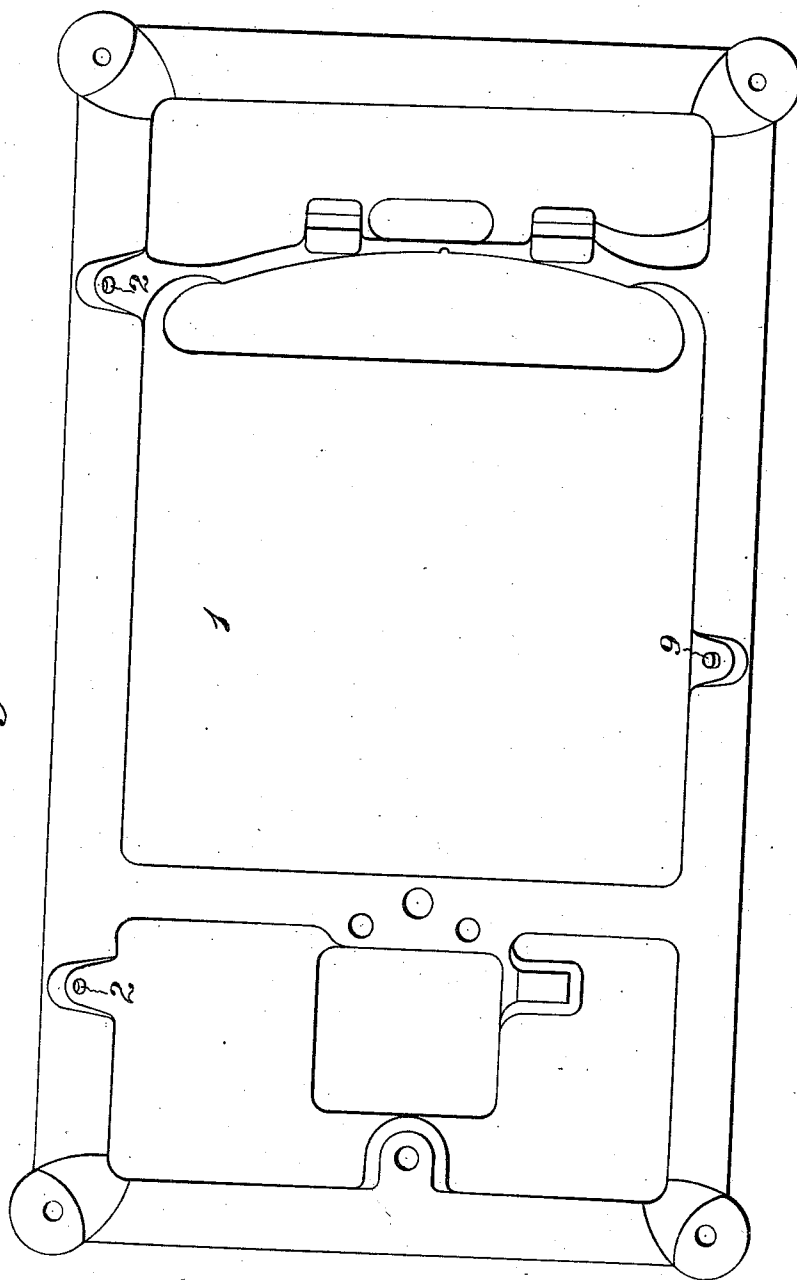
E. B. ALLEN.
SEWING MACHINE DRIP PAN.
APPLICATION FILED MAY 21, 1907.

1,023,351.

Patented Apr. 16, 1912.

2 SHEETS—SHEET 1.

Fig. 1.



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2 SHEETS—SHEET 2.

Fig. 3.

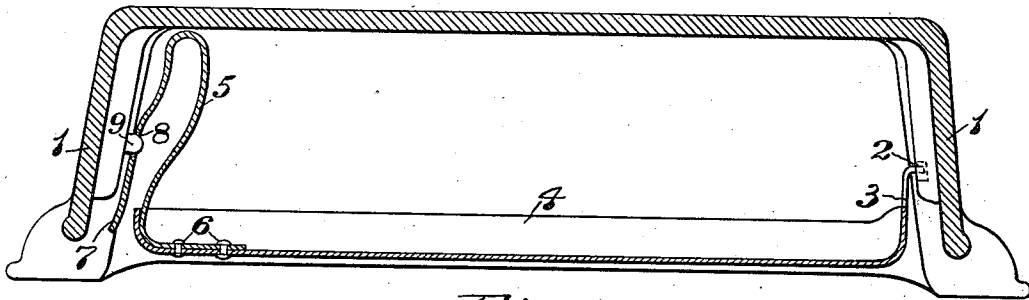


Fig. 4.

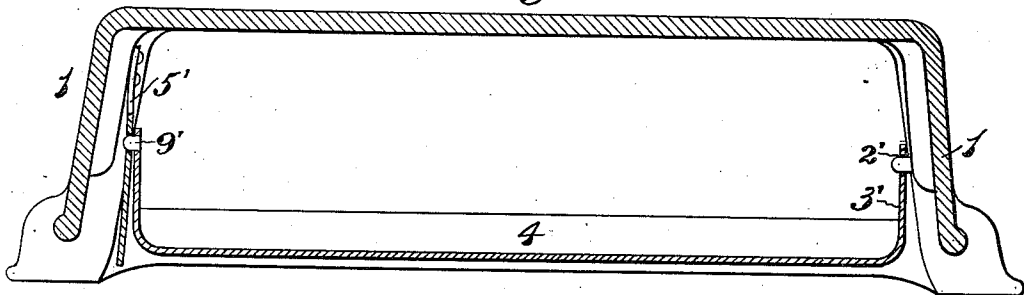
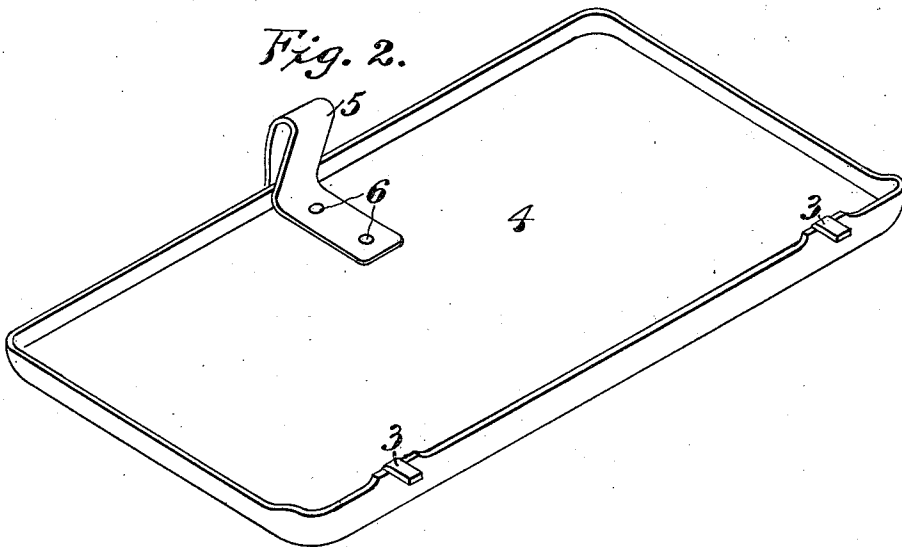


Fig. 2.



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UNITED STATES PATENT OFFICE.

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SEWING-MACHINE DRIP-PAN.

1,023,351.

Specification of Letters Patent.

Patented Apr. 16, 1912.

Application filed May 21, 1907. Serial No. 374,977.

To all whom it may concern:

Be it known that I, EDWARD B. ALLEN, a citizen of the United States, and a resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Sewing-Machine Drip-Pans, of which the following is a specification.

This invention relates to improvements in the construction and application of drip pans or oil receptacles for sewing machines, and has for its object to provide a pan hinged or detachably secured to the frame or bed-plate of the sewing machine and provided with means for yieldingly holding said pan in position below the actuating mechanism of the sewing machine.

Sewing machines constructed for domestic or family use are mounted either upon a suitable stand and connected by a belt with a foot treadle or the sewing machine belt or hand wheel is provided with a suitable crank for operating the main-shaft of the machine by direct action of the hand on said crank, and this latter construction is differentiated from the foot treadle actuated machines by the trade term "hand machine", and it is to this latter machine that the present invention is mainly applicable.

In the mounting of sewing machine heads upon foot treadle power stands it has been the common practice, so far as applicant has any knowledge, to secure the drip pan in the table top of the stand, and in connection with hand sewing machines to secure the drip pan in the base of the hand machine case, which latter is not an essential element except for the purpose of transportation and the sewing machine head is often sold separate from the case.

The primary object of the present invention is to provide a sewing machine head equipped with the necessary means for its convenient use in connection with any suitable rest common to household furnishings, as the ordinary dining table, desk or stand.

In the accompanying drawings illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is an underside view of the frame or bed-plate of the sewing machine. Fig. 2 is a view, in perspective, of the drip or oil pan. Fig. 3 is a view, substantially in central section, of the drip or oil pan and the frame or bed-plate of the sewing machine shown in

Figs. 1 and 2. Fig. 4 illustrates a modification of my invention wherein the coacting elements of construction for securing the drip pan beneath the actuating mechanism of the sewing machine are shown as occupying reversed positions, the lugs and spring catch being made a part of the frame or bed-plate, and their coacting openings formed in the upturned brackets forming a part of the rim of the pan.

I have herein omitted reference to the overhanging arm and the actuating mechanism of the sewing machine, as my invention has to do only with the frame or bed-plate of the machine.

1 is the frame or bed-plate of the sewing machine the upper flat surface of which comprises the cloth-plate upon which is secured the commonly employed throat-plate and upon which is mounted the usual overhanging bracket-arm, said frame being provided with suitable openings 2, 2 into which lugs 3, 3 of the drip pan 4 enter, as shown in Fig. 3.

5 is a catch constructed of spring steel and secured by rivets 6, 6 to the pan 4, the free end 7 of said catch being provided with an opening 8 which coacts with a pin 9, secured in the frame or bed-plate, said spring-catch acting to resiliently hold the lugs carried by and arranged at the opposite edge of the oil receptacle in crowded relationship with their coacting elements carried by the bed-plate, thus securing the pan 4 in its normal position, and in such manner as to positively overcome any looseness, thereby preventing any rattling sound which might otherwise occur from the running of the machine.

From the nature of the construction it will be obvious that hinges of ordinary construction might be substituted for the detachable two-part connections 2, 2, and 3, 3, of Figs. 1, 2 and 3.

In Fig. 4 the lugs 3', 3', openings 2', 2', catch 9' and spring 5' are shown as changed in form and application so as to practically reverse the position of the parts shown in the other figures for securing the pan beneath the bed-plate of the sewing machine.

From the foregoing it will be understood that my invention comprehends the securing of the drip or oil pan to an integral part of the frame or bed-plate of the sewing machine, and in such a manner as to overcome

the liability of the pan becoming loose and producing a rattling sound when the machine is put in operation, as is the case when the pan is secured by brads, tacks or screws to an independently mounted base, usually constructed of wood.

What I claim is:—

1. In a sewing machine, a frame comprising a flat cloth-plate and integrally formed depending flanges, an oil receptacle, and means including coacting catch members for securing said receptacle within the inner walls of said flanges.

2. In a sewing machine, a frame comprising a flat cloth-plate and integrally formed flanges depending from the oppositely arranged longitudinal edges of said cloth-plate, an oil receptacle, and means including coacting catch members for securing said re-

ceptacle within the inner walls of said flanges.

3. In a sewing machine, a frame provided with a flat cloth-plate, an oil receptacle mounted in said frame, and means including coacting catch members for holding said receptacle in oil receiving position in said frame, one of said catch members being constructed and arranged to yieldingly hold said receptacle in crowded relationship with said frame.

Signed at Bridgeport, in the county of Fairfield, and State of Connecticut, this 20th day of May, A. D. 1907.

EDWARD B. ALLEN.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."