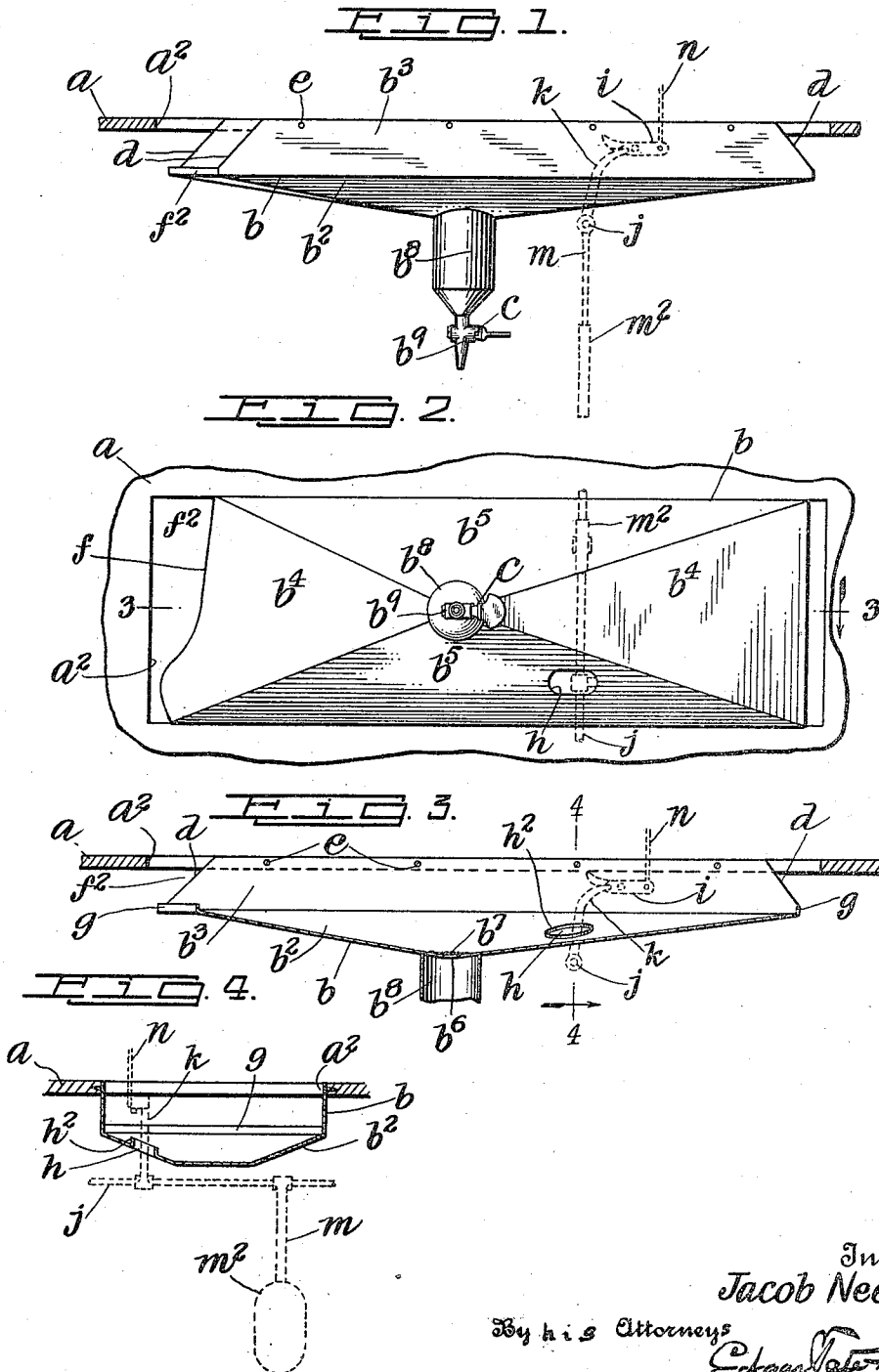


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 DRIP PAN FOR SEWING MACHINES.
 APPLICATION FILED MAY 11, 1917.

1,237,680.

Patented Aug. 21, 1917.



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UNITED STATES PATENT OFFICE.

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DRIP-PAN FOR SEWING-MACHINES.

1,237,680.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JACOB NEEDLE, a citizen of the United States, and residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Drip-Pans for Sewing-Machines, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to drip pans for sewing machines, and particularly to sewing machines of the class in which the presser foot is raised by the knee of the operator by means of a mechanism in operative connection with the presser foot, and in which the shuttle is detached when necessary at the end of the table or beneath the table board and not through the top of said table or table board, and with this and other objects in view the invention consists of a device of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a side view showing the table or table board of a sewing machine with my improvement applied thereto;

Fig. 2 a bottom plan view of the device as shown in Fig. 1;

Fig. 3 a section on the line 3—3 of Fig. 2; and,

Fig. 4 a section on the line 4—4 of Fig. 3.

In the drawing forming part of this specification, I have shown at *a* the table or table board of a sewing machine, and said table or table board may be used in connection with one machine only, or it may be extended and used in connection with a number of machines.

The table or table board *a* is provided with a central longitudinal opening *a*² over which the machine is placed in the usual manner and, in the practice of my invention I provide a drip pan *b* comprising a bottom body portion *b*² and vertical side plates *b*³ which are integral with, or connected with, the opposite side edges of the body portion *b*², and said body portion is inclined from the ends thereof and from the sides thereof downwardly and inwardly as shown at *b*⁴ and *b*⁵ and approximately at

the central bottom part of the body portion *b*² is a drip port *b*⁶ over which is placed a strainer *b*⁷, and connected with the body portion *b*² and inclosing the port *b*⁶ is a depending drip cup *b*⁸ having a downwardly directed discharge spout *b*⁹ controlled by a valve *c*.

The ends of the vertical side plates *b*³ are preferably beveled upwardly and inwardly as shown at *d*, and said side plates are secured to the side walls of the opening *a*² in the table or table board *a* by means of tacks or other suitable devices *e*, and the left hand end of the drip pan, or the bottom thereof, is cut out as shown at *f* to form a recess *f*² to facilitate the insertion of the hand beneath the table or table board in the operation of removing the shuttle of the machine when necessary or desirable, and the end portions of the drip pan, or the bottom thereof, is provided with raised flanges *g* and formed in the bottom or body of the drip pan and at the right of the drip cup *b*⁸ is an opening *h* around which is a raised flange *h*².

Only a part of the mechanism for raising or operating the presser foot is shown and the part shown consists of the bell crank *i* suitably mounted below the right end portion of the machine, the rock shaft *j* mounted transversely of and beneath the machine, and with which the rock shaft lifting bracket *k* is connected, and the arm *m* is also connected with the rock shaft and the knee plate *m*² connected with said arm, and in connecting my improved drip pan with the machine, or the table or table board thereof, the rock shaft lifting bracket *k* is passed downwardly through the opening *h* in the bottom of the drip pan and connected with the rock shaft *j*, and the connecting rod *n* which is connected with the bell crank *i* is placed in operative connection with the presser foot in the usual manner, and in the operation of raising the presser foot, the operator presses his right knee on the knee plate *m*² in the usual manner, and when the pressure on said plate is removed the parts drop back by gravity into the normal position, and the presser foot is lowered.

In the accompanying drawing the machine and the connections between the rod *n* and the presser foot are not shown for the reason that they form no part of my invention, nor does that part of the presser foot operating mechanism herein shown and

described, independent of the method of employing it in connection with the drip pan.

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

1. A drip pan for use in connection with the table or table board of a sewing machine and adapted to be secured to the table or table board beneath the position of the sewing machine, said drip pan comprising a bottom portion having means for securing it to the table or table board and provided approximately centrally with a drip port below which is a drip cup, the bottom of the drip pan being also provided at the right of the drip cup with an opening through which a part of the knee operated mechanism for raising the presser foot of the machine passes.

2. A drip pan for use in connection with the table or table board of a sewing machine and adapted to be secured to the table or table board beneath the position of the sewing machine, said drip pan comprising a bottom portion having means for securing it to the table or table board and provided approximately centrally with a drip port below which is a drip cup, the bottom of the

drip pan being also provided at the right of the drip cup with an opening through which a part of the knee operated mechanism for raising the presser foot of the machine passes, and said drip pan being also provided at the left end thereof with a recess to facilitate the insertion of the hand below the table or table board in the operation of removing the shuttle of the machine.

3. A drip pan for use in connection with a sewing machine and adapted to be secured in the opening in the table or table board upon which the machine is placed, said drip pan comprising a bottom portion having raised side plates and a circular opening below which is a drip cup the bottom being composed of oppositely arranged converging walls, one of which is provided with an opening through which a part of the knee-operated mechanism for raising the presser foot passes.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 8th day of May 1917.

JACOB NEEDLE.

Witnesses:

C. E. MULREANY,
H. E. THOMPSON.

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