

M. M. SCHENCK.
SEWING MACHINE.
APPLICATION FILED APR. 29, 1910.

986,224.

Patented Mar. 7, 1911.

Fig. 1.

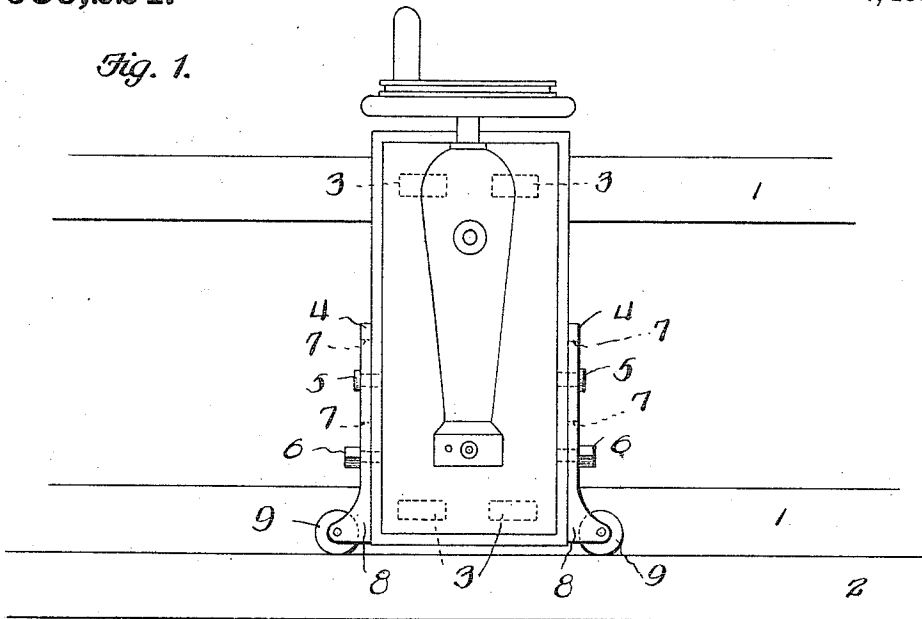


Fig. 2.

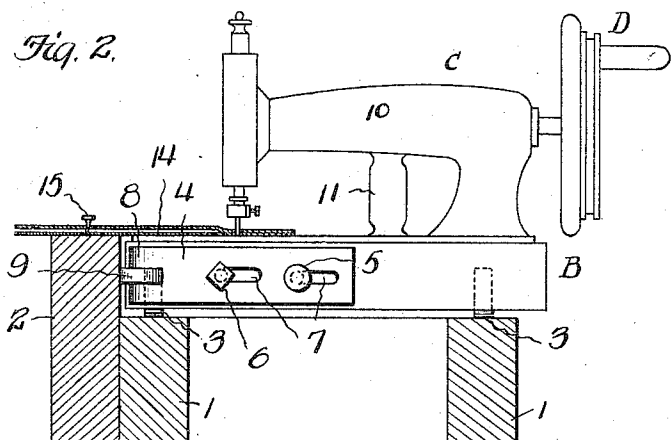
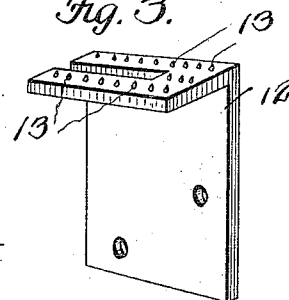


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

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SEWING-MACHINE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MARTIN M. SCHENCK, a citizen of the United States of America, residing at Brownville, in the county of Jefferson and State of New York, have invented new and useful Improvements in Sewing-Machines, of which the following is a specification.

This invention relates to sewing machines which are used for sewing seams to connect long strips of heavy material such as carpet, canvas for paper making machines and the like.

The invention has particular reference to sewing machines of the class referred to which are mounted for movement upon suitable tracks or ways adjacent to which the material or fabric to be operated upon is supported, the machine traveling along as the work is being performed, and the invention has for its objects to simplify and improve the construction and operation of this class of devices.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claim.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the invention may be resorted to when desired.

In the drawing,—Figure 1 is a top plan view of a portion of a track supporting a sewing machine in accordance with the invention. Fig. 2 is a transverse sectional view of the track showing the sewing machine in elevation and showing also in section the fabric or material that is being operated upon. Fig. 3 is a perspective detail view of the feed plate of the sewing machine.

Corresponding parts in the several figures are denoted by like characters of reference.

The track, which may be of any desired length, consists essentially of two planks or rails 1, 1 adjacent to one of which a guard rail 2 is mounted, said guard rail being of dimensions to project a suitable distance above the track rail.

The base B of the sewing machine C is equipped with wheels 3 which are suitably supported for rotation, said wheels being adapted to travel upon the track rails 1, 1. The base is also provided with plates or brackets 4 mounted upon the sides thereof by guide members 5 and fastening members, such as set screws 6 extending through slots 7 in said plates or brackets, whereby the latter may be adjusted laterally with reference to the guard rail 2. The plates or brackets 4 are provided with bearings 8 wherein wheels or rollers 9 are supported for rotation, said wheels being disposed in a horizontal plane so as to engage one side wall of the guard rail 2. It is obvious that by proper adjustment of the plates 4, the base of the sewing machine may be spaced from the guard rail to such extent as may be desired, while the wheels 9 afford a bearing whereby the machine supported upon the base may be correctly guided.

The sewing machine C which may be of any suitable well known construction and which may be operated manually by means of a hand wheel D includes the horizontal arm 10 which is connected with the base by a handle member 11. The feed plate 12, which does not appear in Figs. 1 and 2, being located within the base, but which has been shown in detail in Fig. 3, is operated in the usual or in any suitable and well known manner, but said feed plate is provided in lieu of the ordinary ratchet face with upwardly extending sharp-pointed prongs or barbs 13 adapted to positively engage the fabric 14 which is to be operated upon, so that by the movement of the feed plate in the operation of sewing, the machine will be positively forced to travel longitudinally of the track at a speed commensurate with the speed at which it is being operated.

The material or fabric that is to be operated upon may be temporarily secured upon the upper face of the guard rail 2 by means of tacks, as shown at 15, or in any convenient manner.

From the foregoing description, taken in connection with the drawing hereto annexed, the operation of this invention will be readily understood.

The construction is extremely simple involving only the arrangement of the track and guard rails and an addition to an ordinary sewing machine of the handle mem-

- ber 11 and the wheel carrying plates, as well as the supporting wheels 3, the structure of the machine being changed only by the substitution for the ordinary form of feed plate of that shown in Fig. 3 of the drawing. By this device long seams may be sewed in heavy fabrics in an extremely accurate and satisfactory manner and at small expense.
- 10 Having thus described the invention, what is claimed as new, is:—
- A track including a supporting rail, and a guard rail arranged adjacent to and extending above the supporting rail, a sewing machine including a wheel supported base
- traveling upon the track rail, wheel carrying plates secured adjustably upon the base, a horizontal arm, a handle member connecting said arm with the base, and a feed plate having upwardly extending sharp pointed spurs; said guard rail being adapted to support the material that is to be operated upon by the sewing machine.
- 20 In testimony whereof I affix my signature in presence of two witnesses.
- MARTIN M. SCHENCK.
- Witnesses:
MICHAEL HALEY,
CHAS. GREENWOOD.
- 15 machine including a wheel supported base

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