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F. M. SARGENT.

DEVICE FOR FASTENING SEWING MACHINES IN WAGONS.

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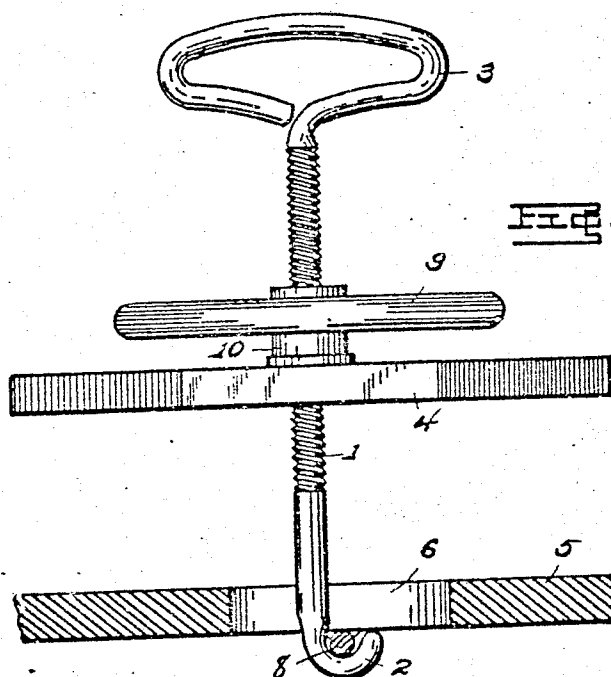


FIG. 1.

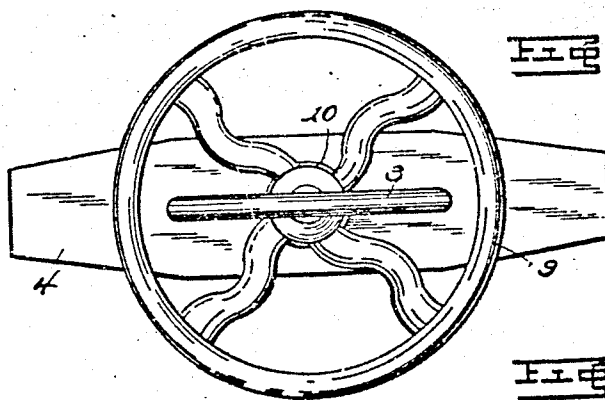


FIG. 2.

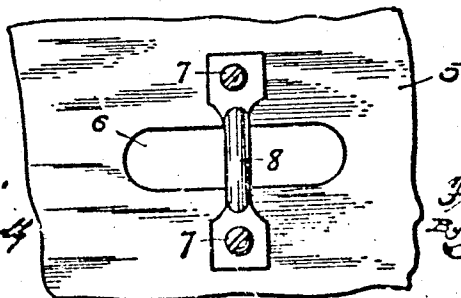


FIG. 3.

WITNESSES:

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DEVICE FOR FASTENING SEWING-MACHINES IN WAGONS.

No. 849,023.

Specification of Letters Patent.

Patented April 2, 1907.

Application filed October 5, 1906. Serial No. 337,538.

To all whom it may concern:

Be it known that I, FRANCIS MARION SARGENT, a citizen of the United States of America, and a resident of Washington, county of Washington, and State of Pennsylvania, have invented certain new and useful Improvements in Devices for Fastening Sewing-Machines in Wagons, of which the following is a specification.

My invention relates to new and useful improvements in devices for fastening sewing-machines to wagon-bodies; and it consists in the particular construction, arrangement, and combination of parts, which will hereinafter be fully described.

The object of the invention is to provide a simple and cheap fastening device whereby sewing-machines may be readily clamped in place in a wagon.

A further object is to provide a fastening device for rigidly holding sewing-machines in wagon-bodies which is convenient to handle and which may be quickly applied and removed.

In describing the invention in detail reference is herein had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation of the invention, showing a section of the bottom of a wagon bed or body with the hook in engagement with the rod. Fig. 2 is a top plan view of the invention, and Fig. 3 is a bottom plan view of a portion of the wagon-bed.

Referring to said drawings, in which like reference-numerals designate like parts throughout the several views, 1 indicates a threaded stem having an integral hook 2 on its lower end and preferably having a loop-handle 3 on its upper end. Slidably mounted on said stem 1 is a clamping member 4, which may be of any suitable form. In the present instance said clamping member is shown as consisting of a longitudinal bar, the same being adapted for resting upon the top of a sewing-machine treadle, through which the lower end of said stem is vertically projected, said stem being passed through one of the ordinary openings or apertures in the treadle.

In the bottom 5 of the wagon-bed in which the sewing-machine is to be carried is a short longitudinal slot 6, and secured, by means of nails or screws 7, on said bottom 5, preferably on the under side, and extending transversely across said slot, as shown, is a rod 8, which is

adapted to be engaged by the hook 2, which is projected through said slot 6.

Having projected the lower end of the stem 1 through the treadle and through the slot 6 in adjusting the fastening device in position the upper end of the stem 1 or the handle 3 is grasped, and the device is thereby held upraised, with the hook 2 in interlocking engagement with the rod 8. The bar 4 is then arranged to lie transversely across the sewing-machine treadle, and a follower comprising a wheel 9, having an interiorly-threaded hub 10, which is mounted on said stem above said bar 4, is turned down over the threads of the stem until the lower end of the said hub 10 binds upon said bar, whereupon the hook 2 is held firmly interlocked with the rod 8, and the sewing-machine is rigidly clamped in place.

When it is desired to release the sewing-machine, the wheel 9 is turned backward to release the bar 4 from binding engagement with the treadle and to allow the hook to disengage from the rod 8, when the stem carrying said hook, bar, and wheel may be readily removed.

The wheel 9 is preferably made heavy, so that a quick swing of the wheel by hand causes said wheel to travel a considerable distance over the threads of the stem, thus facilitating the ready adjustment of the device. As is obvious, an adjusting-nut might be employed instead of the wheel. However, owing to the comparative ease and rapidity with which the adjustment may be effected the wheel is deemed greatly preferable.

An ordinary staple driven in the bottom of the wagon-bed might be employed to serve the purpose of the rod 8; but such staple would be more or less liable to work loose. Hence the rod extended transversely of a slot provided in the bottom, as hereinbefore described, is preferred.

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

1. In a device for fastening sewing-machines in wagons, a longitudinal threaded stem, a hook on the lower end of the stem, a horizontal cross-bar centrally and slidably mounted on said stem, a follower mounted on said stem above the cross-bar, and hook-engaging means carried by the wagon-body.

2. In a device of the character described, the combination with the bottom of a wagon-body having hook-engaging means, of a

threaded stem, a hook carried by the lower end of said stem, a horizontally-extending longitudinal cross-bar slidable upon said stem, and a heavy threaded hand-wheel follower on said stem above said cross-bar
5 lower on said stem above said cross-bar whereby a ready adjustment may be secured.

3. In a device of the character described, the combination with the bottom of a wagon-bed having hook-engaging means mounted therein, of a threaded stem adapted for projecting vertically through a sewing-machine treadle, a hook on the lower end of said stem for interlocking engagement with said hook-
10 engaging means, a hand-grasp provided on the upper end of said stem, a clamping member slidable upon said stem and adapted for resting upon said treadle, and a hand-wheel follower in threaded engagement with said
15 stem above said clamping member.

4. In a device of the character described, the combination with a wagon-bed having a slot in its bottom, of a rod secured to said bottom and extending transversely across
25 said slot, a threaded stem having a hook upon its lower end for engagement with said rod, said stem being adapted for insertion through the treadle of a sewing-machine, a slidable cross-bar centrally mounted on said
30 stem, and means carried by said stem whereby said bar may be clamped upon said treadle.

5. In means for fastening sewing-machines in wagons, a wagon-bottom having a slot therein, a rod extended transversely
35 across said slot and attached to the wagon-bottom, a longitudinal threaded stem, a hook on the lower end of said stem, a bar

slidably mounted on said stem, and a threaded hand-wheel follower on said stem above said bar.

6. In a fastening device for sewing-machines, the combination with a wagon-body having a slot in its bottom, of a rod secured to said bottom and extending transversely across said slot, a threaded stem having a
45 hook upon its lower end for engagement with said rod, said stem being adapted for insertion through an aperture in the treadle of a sewing-machine, a clamping member slidable upon said stem and adapted for resting upon
50 said treadle, and a follower in threaded engagement with said stem above said clamping member whereby the latter is caused to firmly bind upon said treadle, said follower comprising a heavy wheel having an inter-
55 riorly-threaded hub.

7. In a device of the character described, the combination with a wagon-body, of a longitudinal threaded stem, a hook carried by the lower end of said stem, a handle on the
60 upper end of said stem, a bar slidable upon said stem, a hand-wheel having an interiorly-threaded hub in threaded engagement with said stem above said bar, and a rod, adapted to be engaged by said hook, secured on the
65 under side of the bottom of said wagon-body and extending transversely across a slot provided in said bottom.

In testimony whereof I affix my signature in presence of two subscribing witnesses.

FRANCIS MARION SARGENT.

Witnesses:

JOHN W. McDOWELL,
WILLIAM B. CANFIELD.