No. 803,508. PATENTED OCT. 31, 1905.

P. ROBB.

SEWING MACHINE ATTACHMENT.

APPLICATION FILED JULY 25, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

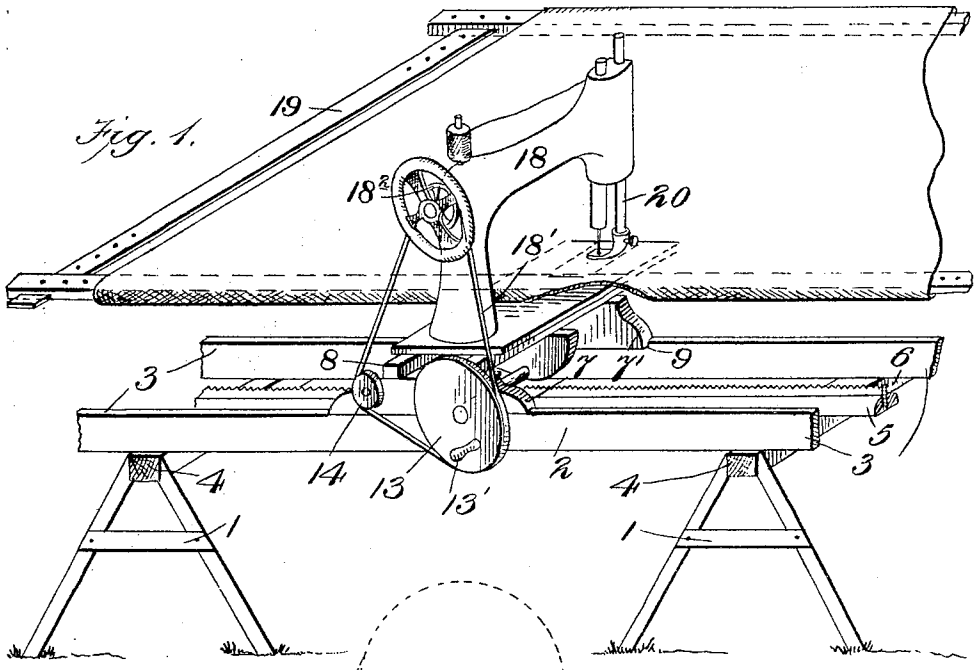
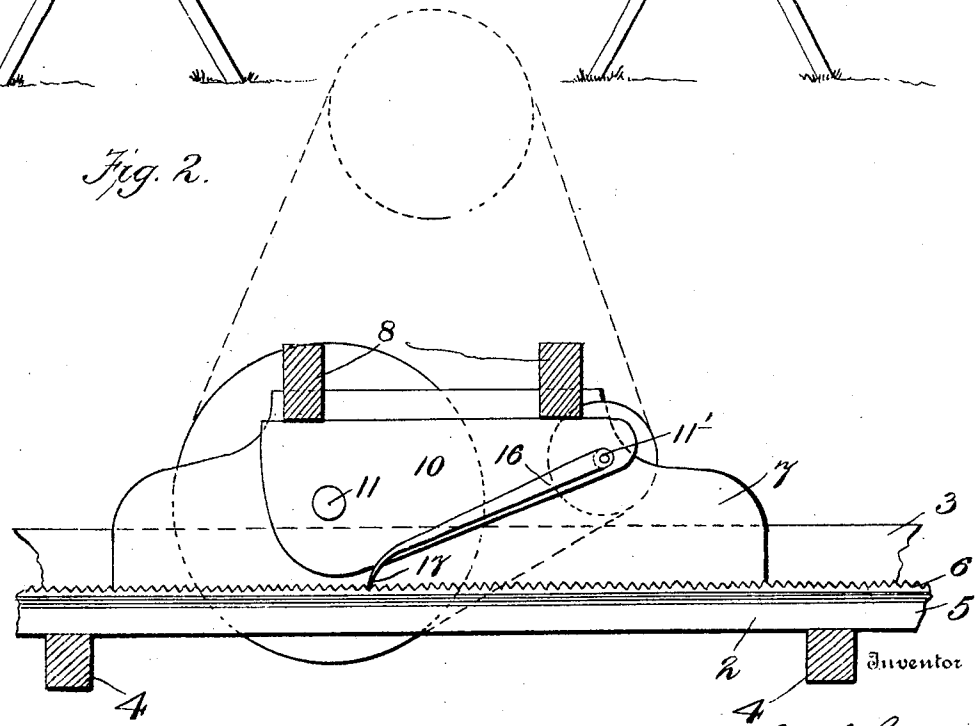


Fig. 2.



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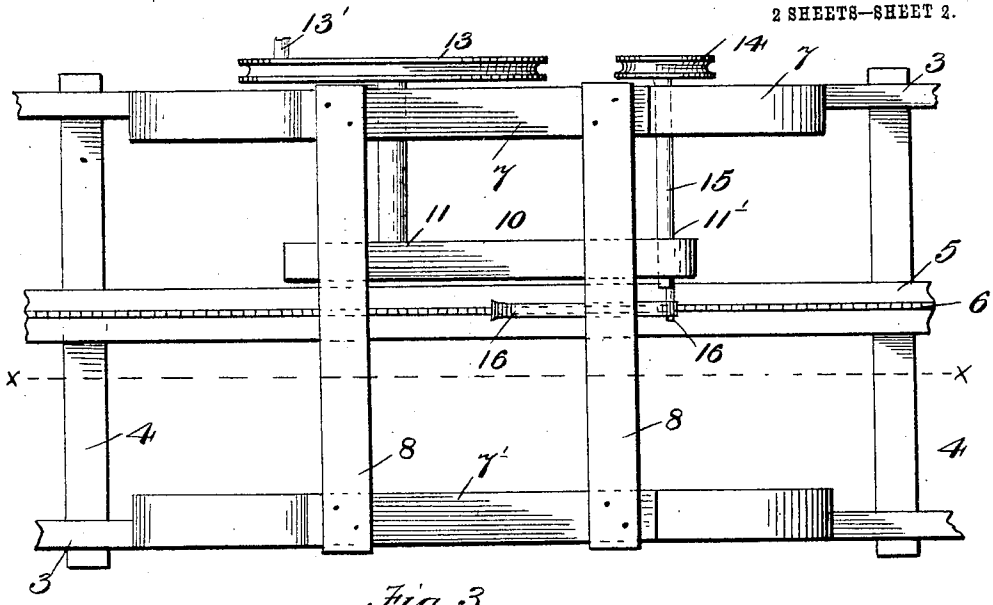


Fig. 3.

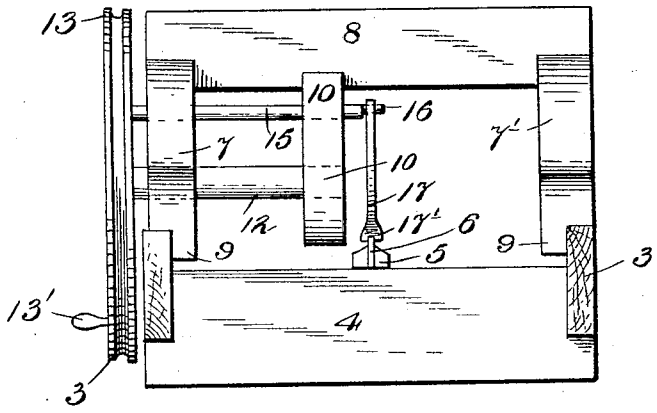


Fig. 4.

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UNITED STATES PATENT OFFICE.

PEYTON ROBB, OF WALCOTT, ARKANSAS.

SEWING-MACHINE ATTACHMENT.

No. 803,508. Specification of Letters Patent. Patented Oct. 31, 1905.

Application filed July 25, 1905. Serial No. 271,138.

To all whom it may concern:

Be it known that I, PEYTON ROBB, a citizen of the United States, residing at Walcott, in the county of Greene and State of Arkansas, have invented new and useful Improvements in Sewing-Machine Attachments, of which the following is a specification.

My invention has relation to new and useful improvements in sewing-machine attachments which are used in conjunction with the head of a sewing-machine and quilting-frame.

The object of my invention is the production of a device of this class that may be conveniently and readily attached to the head of a sewing-machine and a quilting-frame and with the assistance of said head and frame stitch a quilt or other covering in an efficient and expedient manner.

With these ends in view my invention consists in the novel construction, combination, and arrangement of parts, as is hereinafter set out in the specification and claims hereunto attached.

In the accompanying drawings, in which like parts are designated by like characters throughout the several views, Figure 1 is a perspective view of my invention as applied. Fig. 2 is a longitudinal vertical sectional view of my invention cut on the line X X of Fig. 3, the dotted lines representing a band which passes around the crank and pinion wheels of my invention and the band-wheels of the head of a sewing-machine. Fig. 3 is a top plan view of my invention. Fig. 4 is a front end view of my invention.

My invention is described as follows:

The numeral 1 represents trestle or other benches to support my invention.

2 represents the frame of my invention, said frame consisting of two opposite longitudinal beams 3 and cross-beams 4. Secured to said cross-beams 4 midway between said longitudinal beams 3 is a longitudinal beam 5, provided with a longitudinal groove in which is secured a rack-bar 6. Slidably mounted on said longitudinal beams 3 are two oppositely-disposed beams 7 and 7′, secured together by means of cross-beams 8. The lower ends of said beams 7 and 7′ are constructed in such a manner as to provide outer flat portions and downwardly-extending flanges 9. When in position, the said beams 7 and 7′ are slidably mounted on said longitudinal beams 3 of said frame, so that the outer flat portions thereof rest on the upper faces of said beams, which beams constitute the track, the said downwardly-extending flanges 9 coming in contact with the inner faces of said beams 3, and thereby preventing any lateral movement of said beams 7 and 7′. Secured to and extending downwardly from said cross-beams 8 is a beam 10, provided with two perforations 11 and 11′. Journaled in the said perforation 11 of said beam 10 is one end of an axle 12, the opposite end of which axle is journaled in a perforation in said beam 7 and is rigidly secured to the central part of a crank-wheel 13, provided with a crank-handle 13′. Rigidly secured to a pinion 14, located near the rear portion of said beam 7, is an axle 15, said axle being journaled in a perforation in said beam 7 and the perforation 11′ of said beam 10, said axle having extending eccentrically from its inner end a pivot 16. Pivoted to said pivot 16 at its upper end and extending downwardly therefrom is a push-lever 17, the extreme lower end of which terminates in a chisel-shaped portion 17′, which engages the said rack-bar 6 when my invention is in operation.

The operation of my invention is as follows: I set the frame of my invention on said benches 1 and mount the said beams 7 and 7′ on said longitudinal beams 3, as described. I then place the head 18 of a sewing-machine on said cross-beams 8, place one side of a quilting-frame 19 under the arm 20 of said head 18 and pass said band 18′ around the crank and pinion wheels 13 and 14, respectively, of my invention and the band-wheel 18^2 of said sewing-machine head 18. I then turn the crank-wheel 13 by means of the crank-handle 13′, also causing said pinion-wheel and band-wheel to rotate, said pinion-wheel 14 by means of the said axle 15 and eccentric-pivot 16 causing said push-lever to engage the teeth of said rack-bar 6 and propel said beams 7 and 7′ along said longitudinal beams 3 of said frame 1 and carry with them said sewing-machine head, which stitches the quilt or other covering. It will be obvious that the seams may be stitched any desired distance apart by setting the quarter-gage of the sewing-machine head. After stitching one line I move my invention toward the quilt or other covering until the quarter-gage comes directly over the seam and raise the push-lever 17 and slide the two oppositely-disposed beams 7 and 7′ back to the opposite end of the frame and proceed as before. When the quilt or other covering is stitched as far as the arm of the machine-head will allow, the quilt is rolled on the near side beams

of the quilting-frame, and when desired the other side of the quilt may be put under the arm of the sewing-machine head.

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

1. A sewing-machine attachment, consisting of a frame 2, consisting of two opposite longitudinal beams 3 and cross-beams 4; a longitudinal beam 5, provided with a longitudinal groove, secured to said cross-beams 4, midway between said longitudinal beams 3; a rack-bar 6, secured in the said longitudinal groove of said longitudinal beam 5; two oppositely-disposed beams 7 and 7′, secured together by cross-beams 8, said beams provided with two perforations 11 and 11′; an axle 12, journaled at its inner end in said perforation 11, of said beam 10, its opposite end journaled in a perforation in said beam 7; a crank-wheel 13, provided with a crank-handle 13′, said wheel being rigidly secured at its central part to the last-mentioned end of said axle12; an axle 15, journaled at its inner end in the perforation 11′, of said beam 10, its opposite end journaled in a perforation in said beam 7; a pinion 14, secured at its central part to the said axle 15; a pivot 16, extending eccentrically from the inner end of said axle, and a push-lever 17, pivoted to said pivot 16 at its upper end, the extreme lower end of said lever terminating in a chisel-shaped portion 17′, which engages in said rack-bar 6, substantially as shown and described and for the purposes set forth.

2. A sewing-machine attachment, consisting of a frame, consisting of longitudinal and cross beams; a longitudinal beam, provided with a groove, and secured to said cross-beams; a rack-bar, secured in the groove of said longitudinal beam; two oppositely-disposed beams, secured together by cross-beams, and slidably mounted on said longitudinal beams first mentioned, the lower parts of said oppositely-disposed beams constructed so as to provide flat portions and downwardly-extending flanges; a beam, secured to and extending downwardly from said last-mentioned cross-beams, and provided with perforations; an axle, journaled at its inner end in the rear perforation of said last-mentioned beam, the opposite end of said axle journaled in a perforation in one of the said oppositely-disposed beams; a crank-wheel, provided with a crank-handle, and rigidly secured to the last-mentioned end of said axle; an axle, journaled at its inner end in the front perforation of said last-mentioned beam, its opposite end journaled in a perforation in the beam of said oppositely-disposed beams, nearest the said crank-wheel; a pinion, secured to the outer end of said last-mentioned axle; a pivot, extending eccentrically from the inner end of said axle, and a push-lever pivoted to said pivot at its upper end, the lower end of said lever terminating in a chisel-shaped portion, which engages in said rack-bar, substantially as shown and described and for the purposes set forth.

3. A sewing-machine attachment, consisting of an oblong rectangular frame, the side beams thereof forming a track; a rack-bar, longitudinally secured between said side beams; an upper rectangular frame, consisting of side beams secured together by cross-beams, said side beams having inner flanges and slidably mounted on said track; a longitudinal beam, secured to the lower edges of said last-mentioned cross-beam, and extending downwardly; an axle, journaled in and near the rear end of said upper frame; a grooved drive-wheel, rigidly secured on the outer end of said axle; an axle, secured in, and near the front end of said upper frame; a grooved pinion-wheel, secured on the outer end of said last-mentioned axle, and on a line with said drive-wheel; a pivot, extending eccentrically from the inner end of said last-mentioned axle; a push-bar, having its front end pivoted on said pivot, its rear end riding on said rack-bar and adapted to push said upper frame forward as said pinion-wheel is revolved, and a band adapted to work around said drive-wheel, said pinion-wheel, and the band-wheel of a sewing-machine, substantially as shown and described and for the purposes set forth.

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

PEYTON ROBB.

Witnesses:

R. E. S. JOHNSON,

M. P. HUDDLESTON.