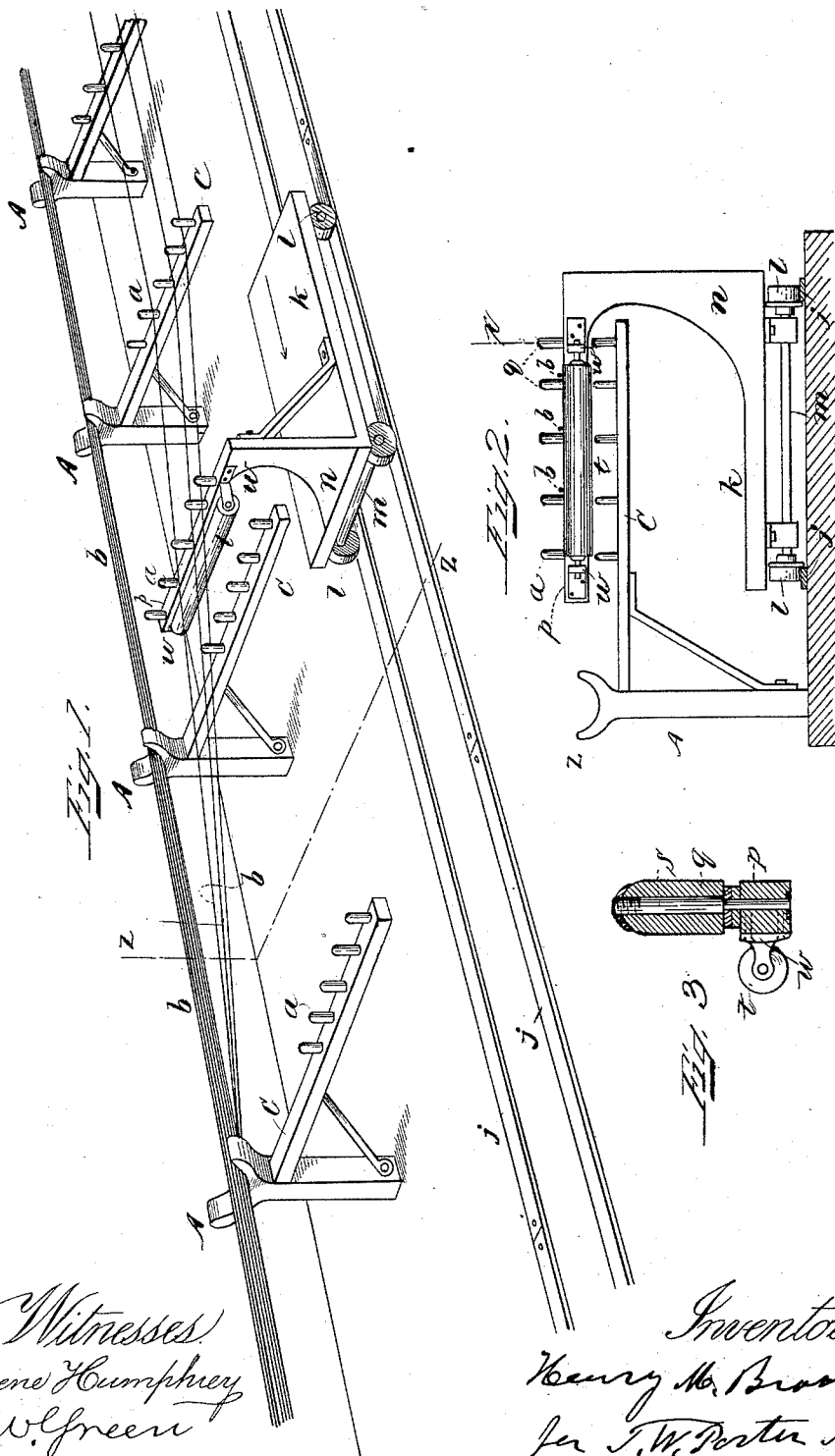


(No Model.)

H. M. BROOKS.
CORDAGE MANUFACTURING APPARATUS.

No. 483,665.

Patented Oct. 4, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY M. BROOKS, OF EVERETT, MASSACHUSETTS.

CORDAGE-MANUFACTURING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 483,665, dated October 4, 1892.

Application filed June 7, 1890. Serial No. 354,583. (No model.)

To all whom it may concern:

Be it known that I, HENRY M. BROOKS, of Everett, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Cordage-Manufacturing Apparatus, which will, in connection with the accompanying drawings, be hereinafter fully described, and specifically defined in the appended claims.

10 In said drawings, Figure 1 is a perspective view showing my invention in its relation to old coacting parts. Fig. 2 is a sectional elevation, the section being vertical and taken on line Z, Fig. 1, and the view as from the 15 left of said line. Fig. 3 is a detached vertical section taken on line X, Fig. 2, and showing the roll in end elevation.

This invention relates to means by which the respective strands of rope, after they are 20 separately twisted and are laid in the post-heads preparatory to their being made into a rope, are in requisite numbers transferred from said heads to the arms projecting from said posts preparatory to being twisted into 25 a rope by the usual means and method.

Referring again to said drawings, A represents posts secured in the floor and at their upper end formed with a concave seat to receive and hold a quantity of the spun or 30 twisted strands *b*, as shown, which strands are spun or twisted in a well-known manner preparatory to being twisted into a rope.

Secured in and extending from each post A is a horizontal arm C, in each of which is secured a series of studs *a*, as shown. I provide 35 the ways *j j*, secured to the floor, and upon them I mount the small platform *k*, having wheels *l* arranged on axles *m*, secured to platform *k*, so that the car will run freely 40 back and forth on said rails *j*. I erect upon *k* the standard *n* and extend therefrom the arm *p* at a height to clear studs *a*, upon which arm are the studs *q*, secured upon spindles *s*. (See Fig. 3.) I also secure upon said arm the

roll *t*, the spindles whereof are journaled in 45 the brackets *w*, secured to the arm, the top of the roll being slightly above the top of the arm that supports it.

The practical use of the car, with its arm having the spacing-studs, is as follows: The 50 posts A are kept supplied with strands *b*, and when a rope is to be twisted therefrom the requisite number of strands are at one end taken from posts A and placed between the studs *q* in arm *p*, when the car is set in motion 55 toward the opposite end of the rope-walk, and it will successively transfer the strands thus lodged between its pins from the head of post A to the spaces between the pins *a* in 60 arms C in readiness to be twisted together as a rope. The car, in addition to its office of rapidly and cheaply transferring the strands from the head of post A to arms C, also furnishes a quick means of transit from one end 65 of the rope-walk to the other, when it is returned to the starting-point to take up and transfer the strands for another rope.

What I claim as my invention is—

1. In combination with the posts A of a rope-walk formed with concave tops to receive the 70 twisted strands *b*, the arms C, extended horizontally and provided with studs *a*, the truck *k*, formed with wheels *l*, arranged to run on tracks *j*, arranged at one side of said posts, the arm *p*, carried by said truck and arranged 75 to pass over arms C, and the studs *q*, arranged in said arm to coincide with studs *a* in arm C, substantially as specified.

2. In combination with carriage *k* and its arm *p*, arranged to transfer strands *b* from 80 posts A to arm C, the roller *t*, journaled upon arm *p* at one side thereof, substantially as specified.

HENRY M. BROOKS.

Witnesses:

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