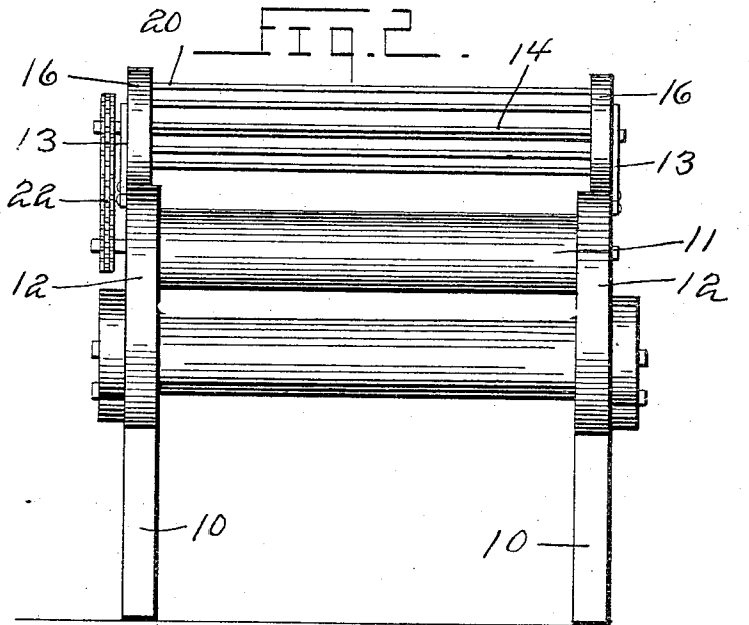
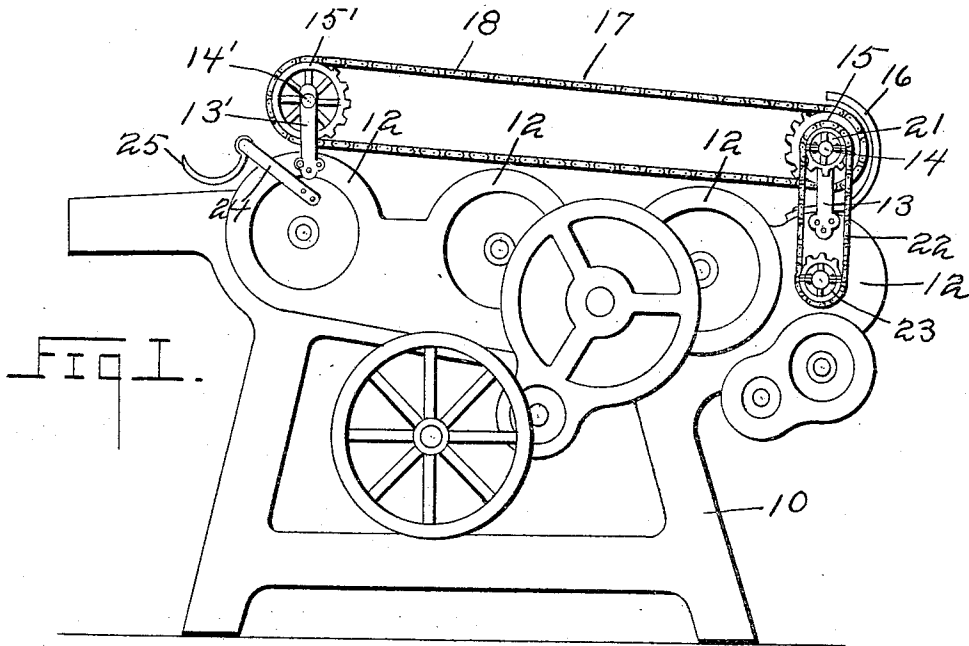


943,297.

R. M. BOYCE.
MANGLE CONVEYER.
APPLICATION FILED NOV. 3, 1908.

Patented Dec. 14, 1909.
2 SHEETS—SHEET 1.



Witnesses
E. E. Johansen.
E. L. Chandler

Inventor
Roy M. Boyce

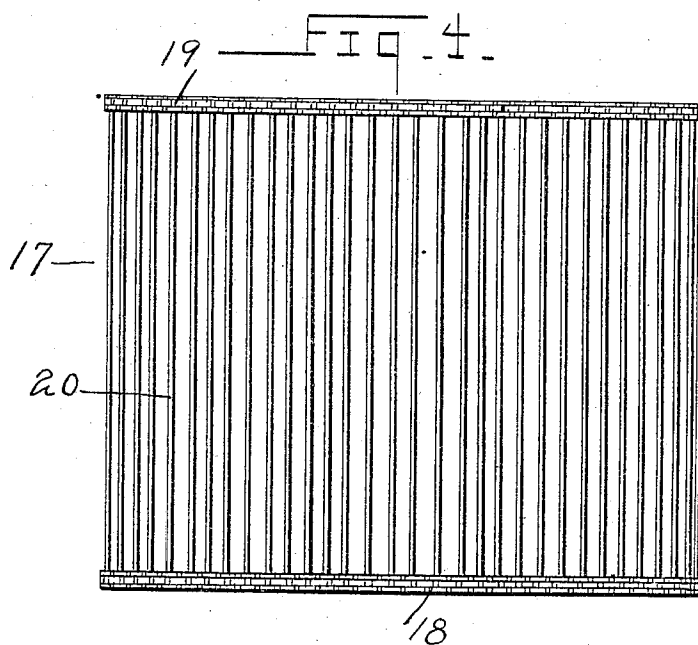
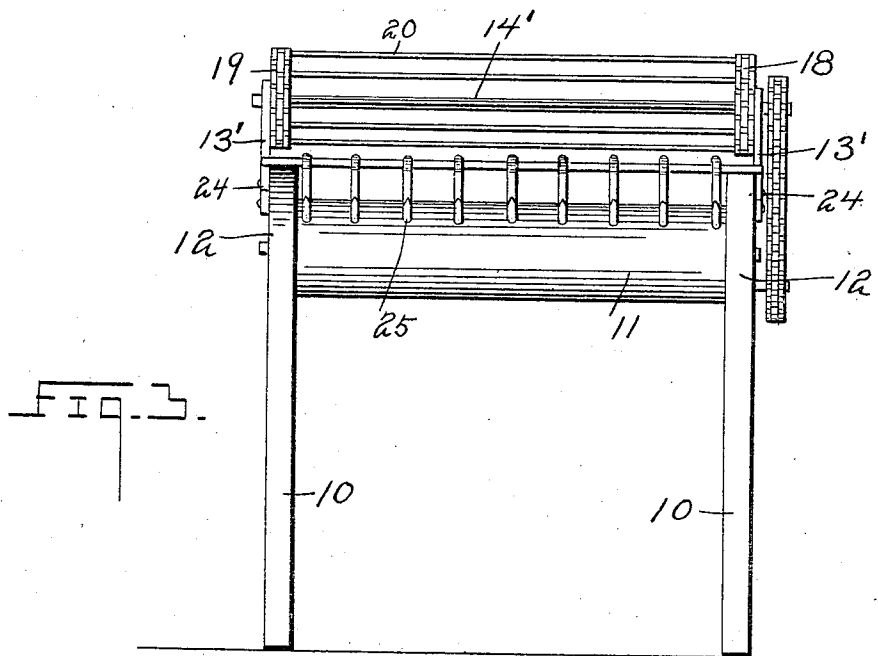
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

ROY M. BOYCE, OF EVANSVILLE, INDIANA.

MANGLE-CONVEYER.

943,297.

Specification of Letters Patent.

Patented Dec. 14, 1909.

Application filed November 3, 1908. Serial No. 460,974.

To all whom it may concern:

Be it known that I, ROY M. BOYCE, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented certain new and useful Improvements in Mangle-Conveyers, of which the following is a specification.

This invention relates to certain new and useful improvements in mangle conveyers.

10 This invention has as an object the provision of a conveyer which is adapted to convey the cloth which is delivered from one end of the mangle to the feeding end of the machine so as to continuously feed the
15 cloth into the machine until the cloth has been sufficiently pressed.

A still further object is to provide a device of the character described which will convey the cloth from one end of the machine to the other without injury to the
20 same or allowing it to contact with the gears or other portions of the machine which would in any way destroy or injure the cloth.

25 The invention has for a still further object the provision of a device of this character which is simple in construction and operation and which will comprise but few parts.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claim without departing from the spirit of the invention.

35 In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of a mangle conveyer having the carriage applied thereto, Fig. 2 is an end elevation of
40 the mangle showing the conveyer as it is applied to the delivering end of the machine, Fig. 3 is an opposite end elevation of the machine showing the improved holding
45 rack which is applied in conjunction with the conveyer to the machine, Fig. 4 is a top plan view of the conveyer removed from the machine.

Referring to the drawings, 10 designates
50 a frame which supports a plurality of rollers 11 which are provided upon their opposite extremities with gears which are inclosed in suitable gear casings 12. At one end the gear casings 12 are provided with
55 two upwardly extending standards 13,

which support the transverse shaft 14, in their upper extremities. This shaft 14, at each end carries a chain gear 15, secured adjacent to the standards 13. A guard or shield 16 is disposed against the inner face
60 of the standards 13 about the sprockets 15, to incase the same. At the opposite or return end, I provide two standards, 13', carrying the shaft 14', provided with chain sprockets 15'. Passing over these chain
65 sprockets 15 and 15', there being two such sets of sprockets, is an endless conveyer, comprising the two similar chains 18 and 19, connected by means of a plurality of transversely held rods 20, as shown in Fig. 4.
70 The rods 20 are preferably formed of brass and are positioned a distance apart equal to the length of the links which comprise the chains 18 and 19. The shaft 14, which revolves with the sprockets 15 supports at one
75 extremity a split pulley 21 which is provided with sprocket teeth upon its periphery and over which is passed a chain 22 which engages at its lower extremity a split pulley
80 23 which is carried upon the shaft of one of the rollers 11 for the purpose of transmitting the motion of the machine to the conveyer 17. On one of the gear casings 12 adjacent the standard 13 is forwardly and
85 outwardly extended an arm 24 which is bent inwardly and extended transversely of the machine where its opposite extremity is bent downwardly to the casing 12 to form a support for the arm 24 at that side of the machine. The arm 24 is provided with a
90 plurality of outwardly extending blades 25 which are of semicircular formation to form a holding rack into which the goods carried by the conveyer 17 are deposited.

The operation of the device is as follows:—When the machine is set in motion
95 the gear 23 is actuated and the motion is communicated to the pulley 21 through the chain 22. As the pulley 21 is rigidly secured to the shaft 14 the gears 15 which
100 are disposed at the opposite extremities of the shaft 14 are actuated and the endless belt or conveyer 17 is set in motion. The material is placed upon the conveyer 17 at one end and owing to its motion the material is carried to the opposite extremity
105 of the machine and deposited in the pocket 25 where it can be easily removed and placed again in the mangle.

The goods carried through the mangle 110

may comprise laundry wearing apparel or be in the form of bolted goods, which it is desired to finish.

5 The fabric or articles after having passed through the mangle, are placed by hand upon the upper stretch of the conveyer, to be carried by the conveyer to the forward end of the machine.

What is claimed is:—

10 The combination with a mangle, of two upwardly extending standards secured to one end of said mangle, a shaft carried by said standards, a chain gear secured to each end of said shaft, two upwardly extending standards secured to the opposite end of

said mangle, a shaft carried by said last mentioned standards, a gear secured to each end of said last mentioned shaft, two endless chains passing over said chain gear; connecting rods extending from one chain 20 to the other to form an endless conveyer, and a holding rack secured near one end of said conveyer comprising a transverse rod having curved blades, as shown.

In testimony whereof I affix my signature, 25 in presence of two witnesses.

ROY M. BOYCE.

Witnesses:

BEN V. PAUL,
JACOB HOOKER.