

April 28, 1925.

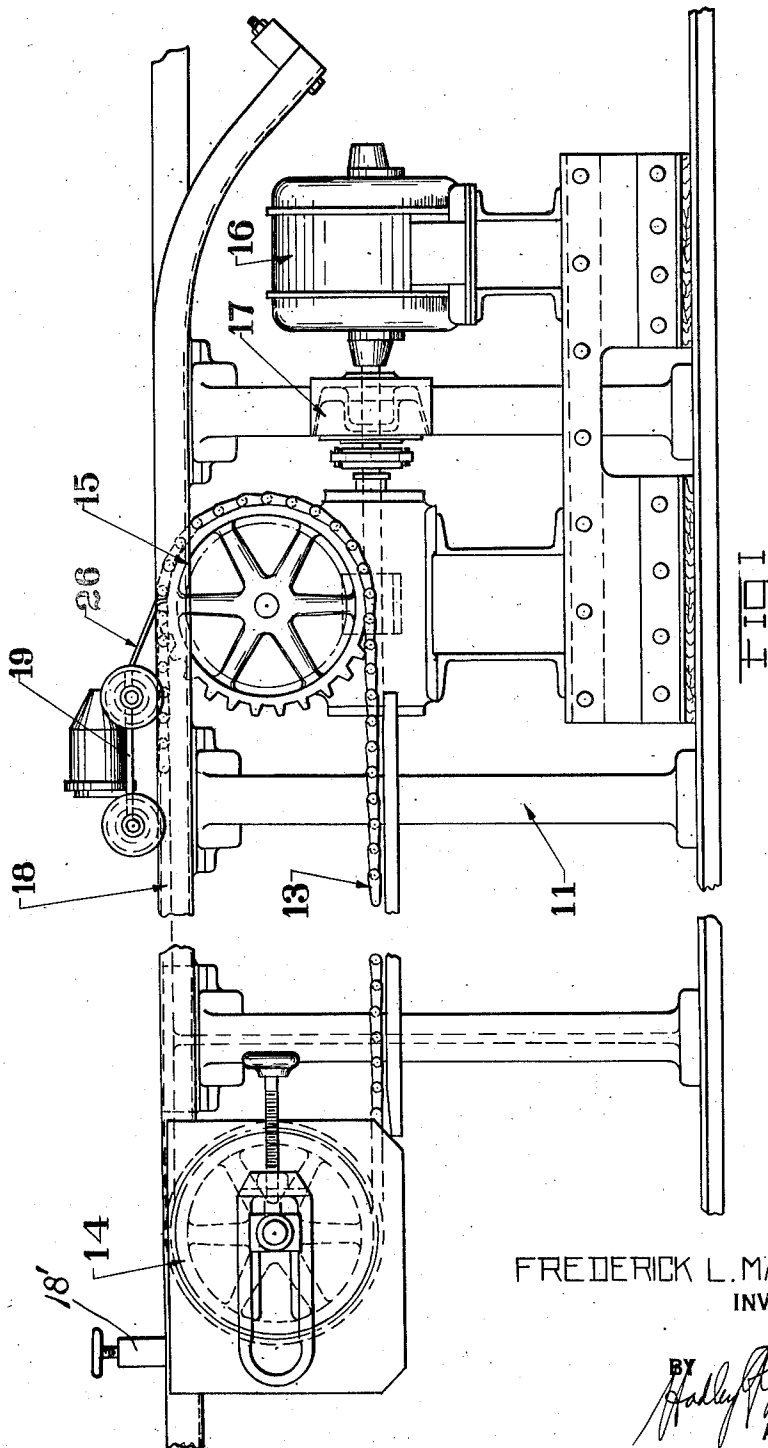
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F. L. MacALEESE

HOSE OR TUBING STRIPPING APPARATUS

Filed Oct. 27, 1921

3 Sheets-Sheet 1



FREDERICK L. MAC ALEESE
INVENTOR

BY  **ATTORNEY**

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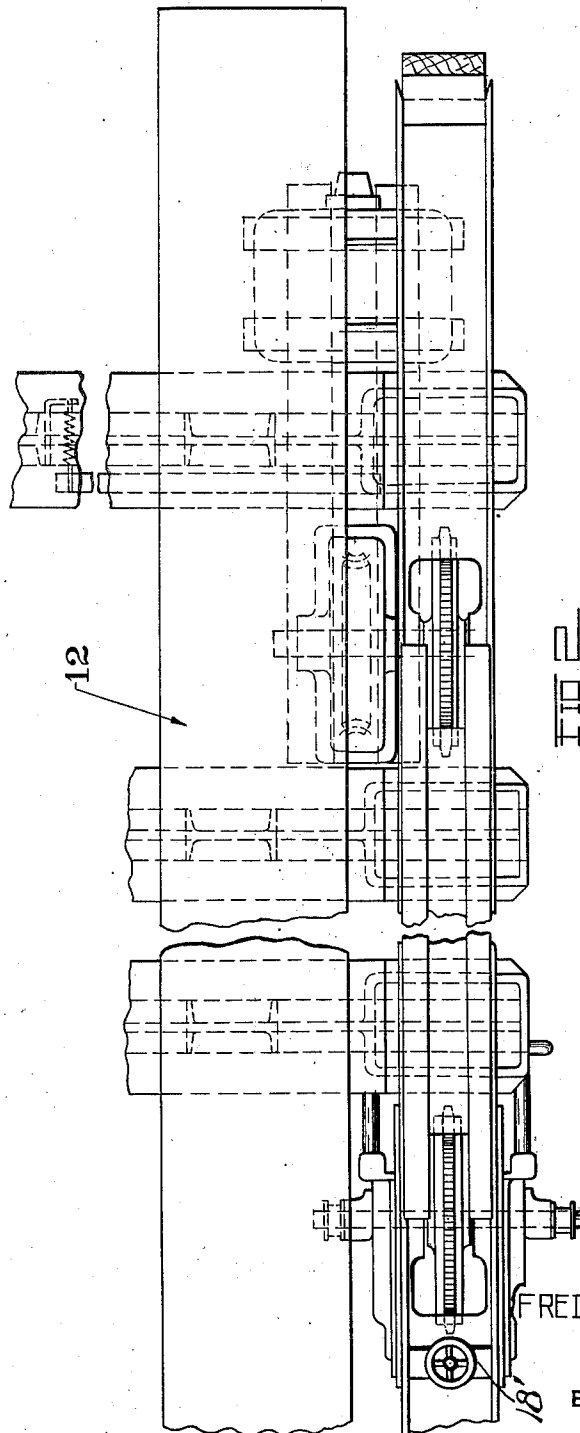


FIG 2

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April 28, 1925.

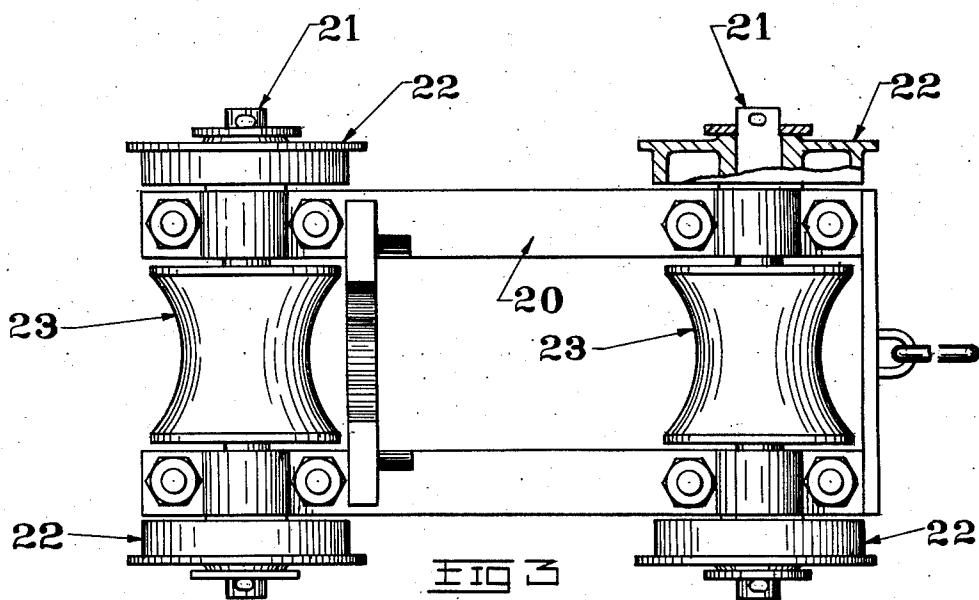
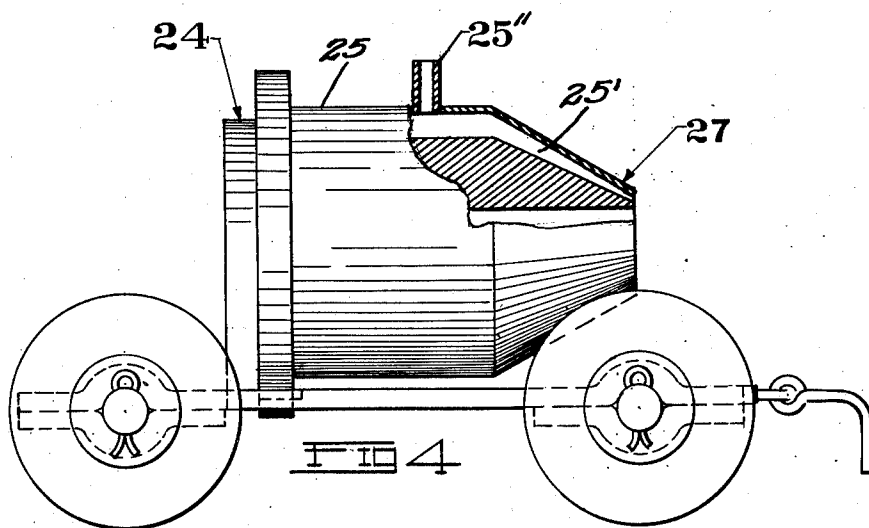
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HOSE OR TUBING STRIPPING APPARATUS

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3 Sheets-Sheet 3



FREDERIC L. MAC ALEESE
INVENTOR

BY *Harley Freeman*
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UNITED STATES PATENT OFFICE.

FREDERIC LINTON MACALEESE, OF MILWAUKEE, WISCONSIN, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE FISK RUBBER COMPANY, OF CHICOPEE FALLS, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

HOSE OR TUBING STRIPPING APPARATUS.

Application filed October 27, 1921. Serial No. 510,906.

To all whom it may concern:

Be it known that, I, FREDERIC L. MACALEESE, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Hose or Tubing Stripping Apparatus, of which the following is a specification.

My invention relates to the manufacture of hose or tubing and the principal object of my invention is to provide new and improved means for removing the hose or tubing from the mandrel. In the drawings accompanying this specification and forming a part thereof I have shown, for purposes of illustration, one form which my invention may assume. In these drawings:

Figure 1 represents a side elevation of this illustrative embodiment,

Figure 2 represents a plan view of the device shown in Figure 1,

Figure 3 represents a plan view of the car, while

Figure 4 is an elevation of the car showing the car carrying the nozzle.

The device shown in the drawings comprises a table 11 provided with a shelf 12 on which the hose or tubing bearing mandrels may be laid and from which the mandrels may be rolled onto a belt 13 which passes over an idle pulley 14 and a driving pulley 15 which is shown as driven by a motor 16 through a clutch 17 by means of the pulley 15 may be connected to the motor 16 at will. Mounted on both sides of the upper pass of the belt 13 are rails 18 arranged to carry a car 19 which consists of a frame 20 provided with two shafts 21 each of which carries a pair of wheels 22 adapted to engage the rails 18 and a loose roller 23 adapted to support the hose or tubing bearing mandrel. The air nozzle may be of any suitable type adapted to inject air between the hose or tubing on the mandrel as indicated at 25' in Figure 4. The car also is provided with a U shaped abutment 24 arranged to engage an air nozzle 25 which is adapted to seat on the framework 20 and to be carried forward with the car by means of the abutment 24. The car is also provided with a hook 26 adapted to engage the

the belt 13 to cause the car to be carried forward with the belt.

In operation the mandrel will be rolled from the table 12 onto the upper face of the belt 13, the nozzle 25 will be slipped over the mandrel until the lip 27 slides under the end of the hose or tubing and the nozzle seated upon the car 19, the mandrel will be secured against the longitudinal movement as by clamp 18', and the belt will act to pull the hose or tubing in the direction in which the belt moves and will also operate through the hook 26 to advance the car 19 and the nozzle 25 carried thereby. This nozzle is suitably connected with an air supply as at 25 which escapes between the mandrel and the lip 27 and in this way flows between the mandrel and the hose or tubing to thereby break the hose or tubing from the mandrel. The combination of the air pressure acting to break the hose or tubing from the mandrel and the pull of the belt on the hose or tubing itself and the abutment of the nozzle against the hose or tubing is effective to move the hose or tubing along the mandrel and thus strip it from the mandrel. After the hose or tubing is completely broken the hook 26 may be disengaged and the stripping completed by the direct pull of the belt on the hose or tubing. In any case after the stripping has been completed the car and nozzle will be returned to their initial position and the mandrel will be released and removed whereupon the stripper is ready for the next operation. It will be apparent that by making the nozzle separate from the car different sized nozzles can readily be substituted to thereby permit the device to operate on different size hose or tubing.

The disclosure herein describes one embodiment of my invention but this embodiment is, of course, illustrative only and my invention is not limited thereto.

I claim:

1. Means for stripping an article from a mandrel comprising a conveyor, a carriage movable with said conveyor and an air nozzle on said carriage adapted to loosen the article from the mandrel.

2. Means for stripping a mandrel com-

prising an air nozzle adapted to inject air between said mandrel and the article supported thereon, and means to cause relative movement between the air nozzle and the
5 mandrel.

3. Means for stripping a mandrel comprising a conveyor, a carriage movable with

said conveyor and an air nozzle carried thereby adapted to inject air between said mandrel and the material supported thereon. 10

In testimony whereof I have signed my name to the above specification.

FREDERIC LINTON MacALEESE.