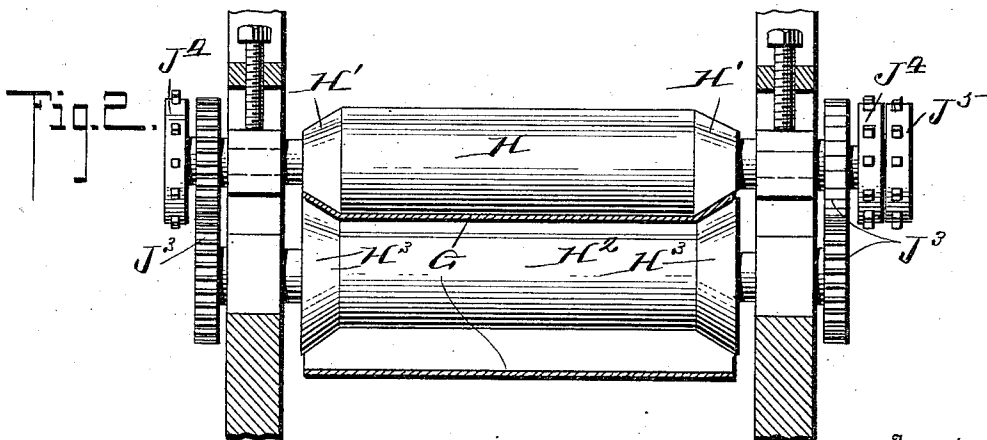
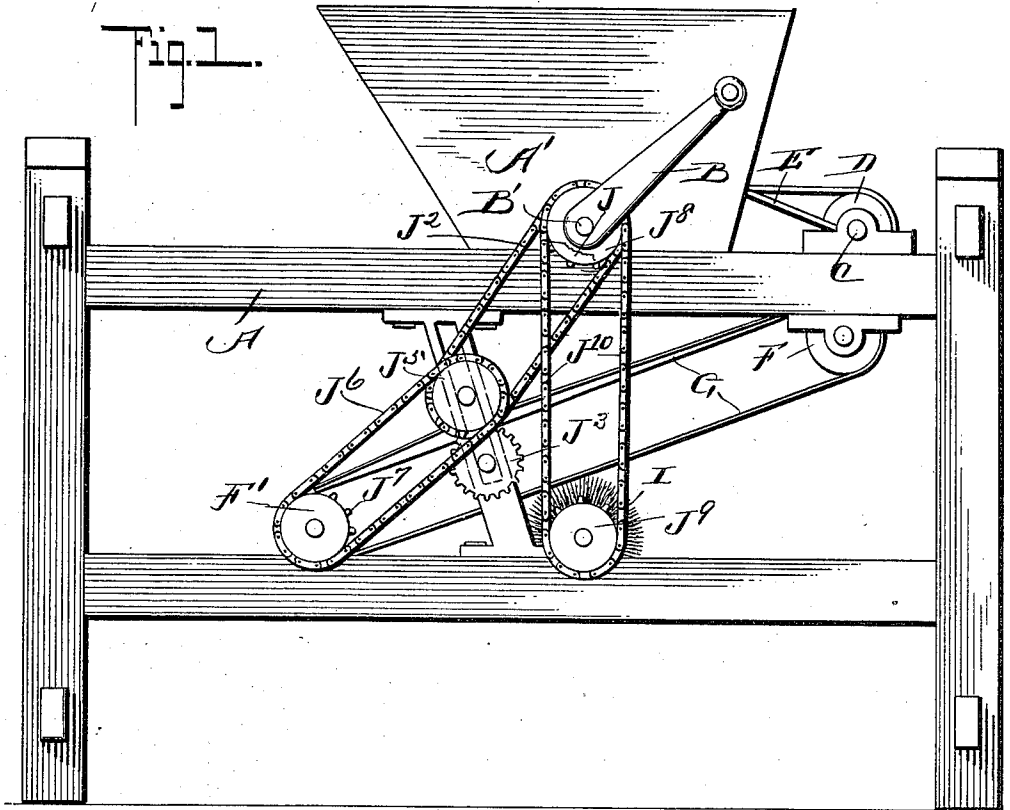


R. W. BROOKS.
PRESSER FOR CIDER MILLS.
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1,002,206.

Patented Aug. 29, 1911.



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ROBERT W. BROOKS, OF LOUISVILLE, KENTUCKY.

PRESSER FOR CIDER-MILLS.

1,002,206.

Specification of Letters Patent. Patented Aug. 29, 1911.

Application filed April 20, 1908. Serial No. 428,125.

To all whom it may concern:

Be it known that I, ROBERT W. BROOKS, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Improvement in a Presser for Cider-Mills, of which the following is a specification.

This invention relates to a pressing attachment for cider mills and designed especially for use in connection with the cider mill shown and described in my application filed February 5th 1907, Serial Number 355,893.

The invention consists of the novel features of construction, hereinafter fully described and pointed out in the claim.

In the drawing forming a part of this specification:—Figure 1 is a side view of the presser in place upon a cider mill. Fig. 2 is an enlarged detail transverse section taken through the presser adjacent the pressing rollers which are shown in side elevation, supporting frame being shown in section.

In these drawings A represents the mill frame upon which is mounted a hopper A' in which the grinding or crushing devices described in the application referred to are placed and B represents an operating handle. A shaft C, driven-pulley D, and rod E coöperate with the driving mechanism and are also fully described in the said application. I also journal in the frame A, suitable rollers F and F' in different horizontal planes and over these rollers runs a belt G which forms a downwardly traveling inclined conveyer and this belt passes between rollers H and H². In order that the pulp delivered from the hopper may be guided to the presser rollers H and H² and will be prevented from escaping from the side of said belt instead of passing between the rollers, I bevel away the ends of the rollers H as shown at H' and provide co-acting bevel flanges H³ for the roller H². This construction as will be clear from the drawings forms a temporary flange upon each side of the flexible belt, adjacent the pressing rollers by bending the marginal portions of the belt as is most clearly shown in Fig. 2.

In order to drive the mechanism above de-

scribed, I employ the handle B keyed upon the shaft B', upon which shaft is placed a sprocket wheel J over which runs a sprocket chain J² to a sprocket wheel J⁴ fixed upon the roller H. A second sprocket wheel J⁵ is also fixed upon said roller, and a sprocket chain J⁶ runs from the sprocket wheel J⁵ to a sprocket J⁷ carried by the roller F'. I place cog-wheels J³ upon the stems of the rollers H and H² in order to positively drive the roller H² from the roller H, the latter being driven in turn by means of one of the sprocket chains. I also place a brush I upon the lower side of the conveyer which brushes from the belt any of pulp which may be carried around the lower roller F by the conveyer G. A sprocket wheel J⁸ is also fixed upon the shaft B' and a sprocket chain J¹⁰ runs over a sprocket wheel J⁹ carried by the brush I. The sprocket wheels J, J⁴, and the chains J² are duplicated upon opposite sides of the machine.

It will be obvious from the above that the form of gearing used for transmitting power from the shaft B' to the various rollers and to the brush I is not a material part of this invention but may be changed by substituting therefor any well known arrangement of belting or gearing, as the operation of the parts is not dependent upon any particular form of gearing.

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

A device of the kind described comprising upper and lower pressing rollers, the upper roller having beveled end portions and the lower roller having its ends flanged to co-operate with the beveled portion of the upper roller, and a downwardly inclined belt traveling between said rollers, and having its marginal portion passing between the beveled portion and the flanges, thereby bending upwardly said marginal portions as the belt approaches and passes between the pressing rollers.

ROBERT W. BROOKS.

Witnesses:

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