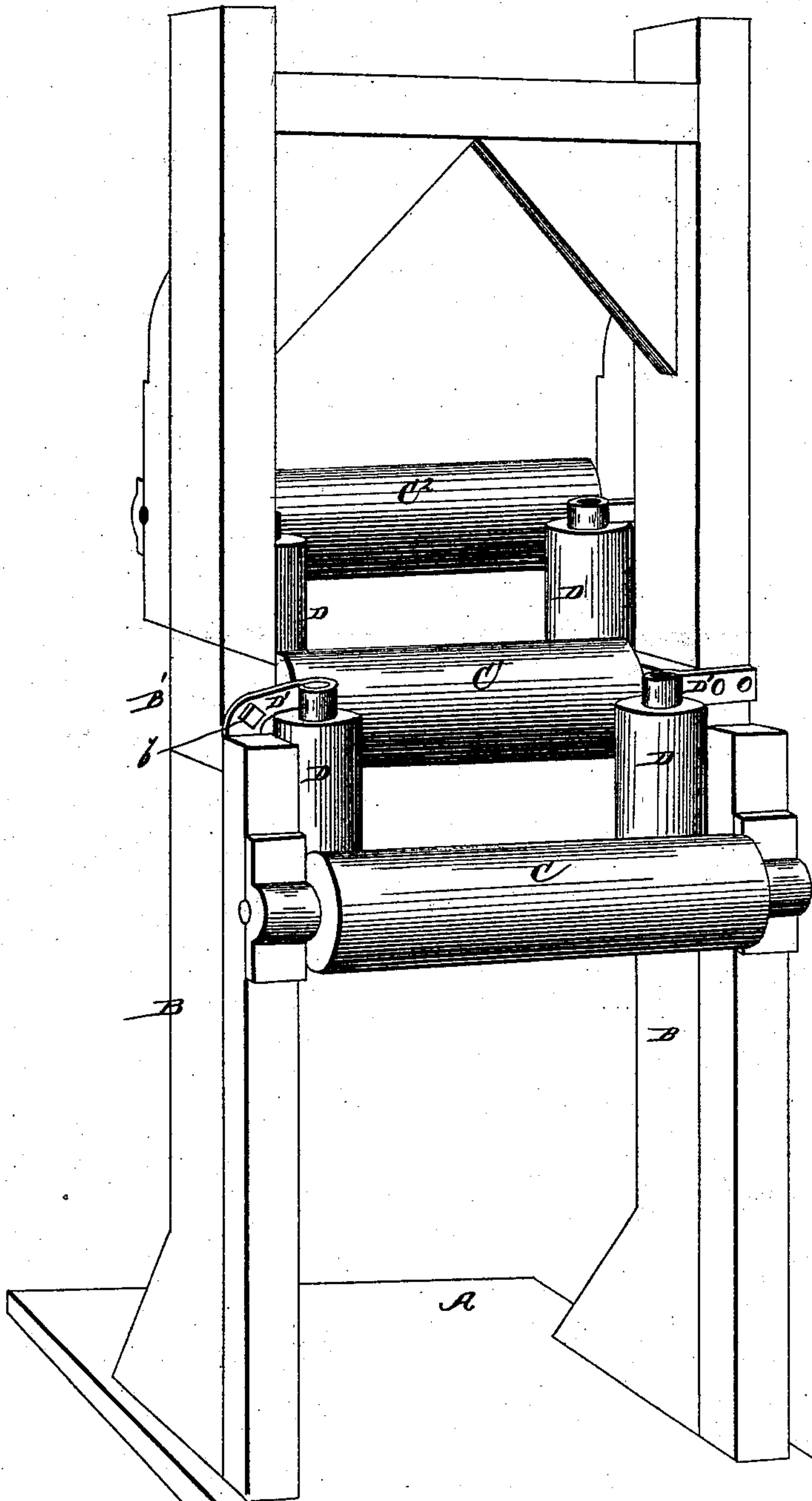


(No Model.)

R. F. MINER.  
BELT CONVEYER.

No. 324,402.

Patented Aug. 18, 1885.



WITNESSES:

*H. C. McArthur,*

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INVENTOR.

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# UNITED STATES PATENT OFFICE.

REUBEN F. MINER, OF CLAM FALLS, WISCONSIN.

## BELT-CONVEYER.

SPECIFICATION forming part of Letters Patent No. 324,402, dated August 18, 1885.

Application filed May 27, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, REUBEN F. MINER, a citizen of the United States, residing at Clam Falls, in the county of Polk and State of Wisconsin, have invented certain new and useful Improvements in Belt-Conveyers, of which the following is a specification, to wit:

This invention relates to an improvement in belt conveyers or guides; and it consists in certain peculiarities of construction and arrangement, substantially as will be hereinafter more fully described and claimed.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the accompanying drawing, in which the figure represents a perspective view of my invention.

A represents a base, from which rises two uprights, B B, suitably braced and connected by cross-bars. In boxes secured upon the forward sides of these posts B is journaled a roller, C, and above this, between the uprights, is a second roller, C', and a third roller, C'', is journaled in boxes secured still higher on the rear side of the device. One of the uprights B is formed with a removable section, B', opposite the end of the roller C', held in place by a bolt, b, and which, when removed, allows the withdrawal of this roller for the insertion of the belt.

Between the rollers C C' and C' C'', at each side of the device, is a small upright roller, D D, journaled in arms D', secured to the uprights, the purpose of which will be presently seen.

This device is intended especially for use in

the open air, where a portable or stationary engine is attached by belt to a thrasher or similar machine. In such cases much annoyance is felt by the belt being forced off the pulleys by the wind or other causes, more particularly if this belt be a long one.

This device is placed between the pulleys of engine and machine, and secured to the ground by pins or other devices. The belt is then placed in position, passing between the horizontal rollers, which keep it from sagging and guide it in its passage, and the vertical ones prevent its being blown out of a direct line, and hence run off the pulleys, while at the same time allowing the belt to run free, with no danger of injury to its edge.

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

1. In a belt conveyer or guide, a stand or frame placed between the driving-pulleys, in combination with a series of horizontal and vertical rollers, between which the belt is guided, substantially as and for the purpose set forth.

2. In a belt conveyer or guide, the base A and uprights B B, one of which is provided with a removable portion, in combination with the horizontal rollers C C' C'' and vertical rollers D D, between which the belt is guided, substantially as and for the purpose set forth.

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

REUBEN F. MINER.

Witnesses:

H. R. MURDOCK,  
C. M. McCLUER.