

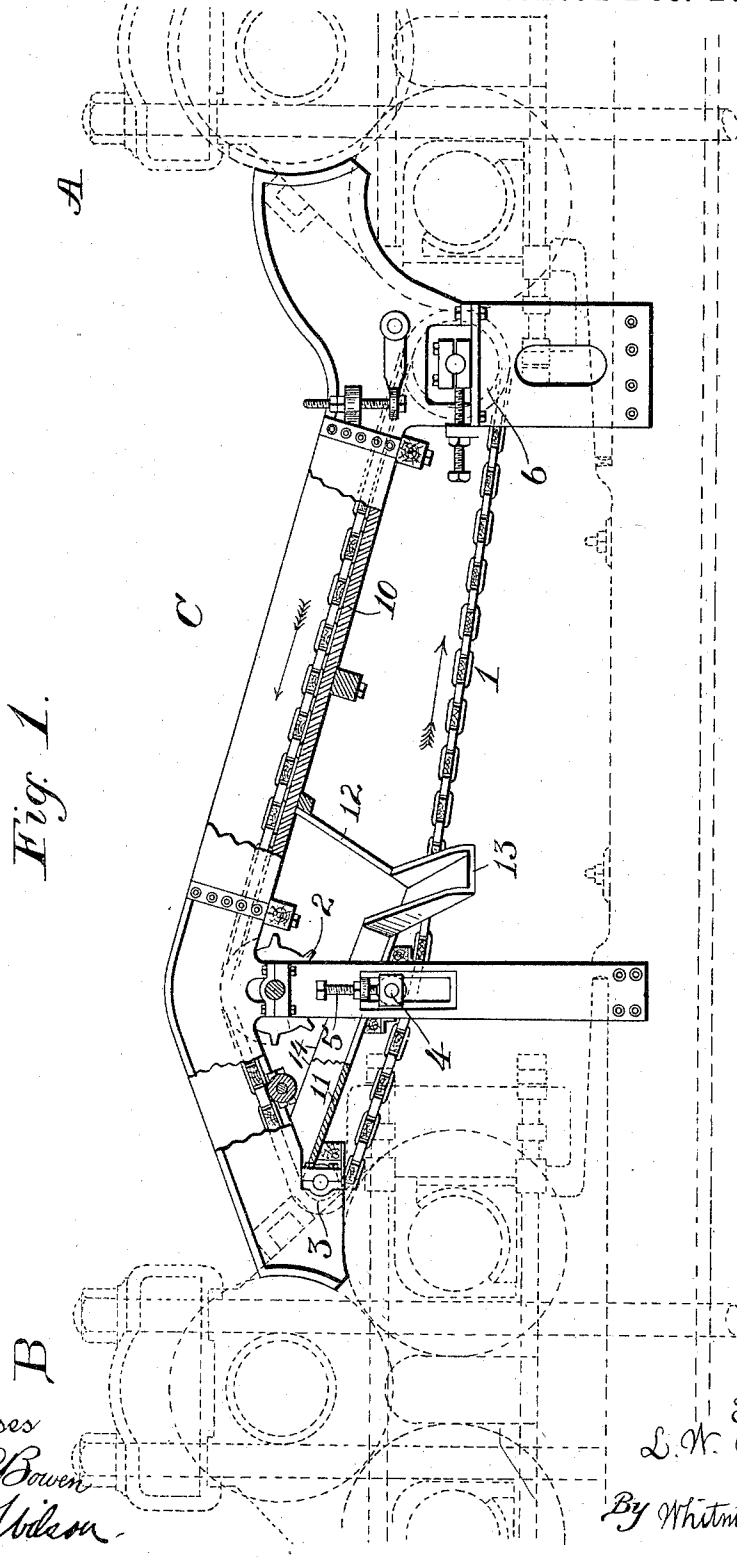
(No Model.)

2 Sheets—Sheet 1.

L. W. BROWN.  
BAGASSE CARRIER.

No. 488,423.

Patented Dec. 20, 1892.



Witnesses

Percy C. Bowen

John C Wilson

Inventor  
L. N. Brown

By Whitman & Wilkinson,  
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(No Model.)

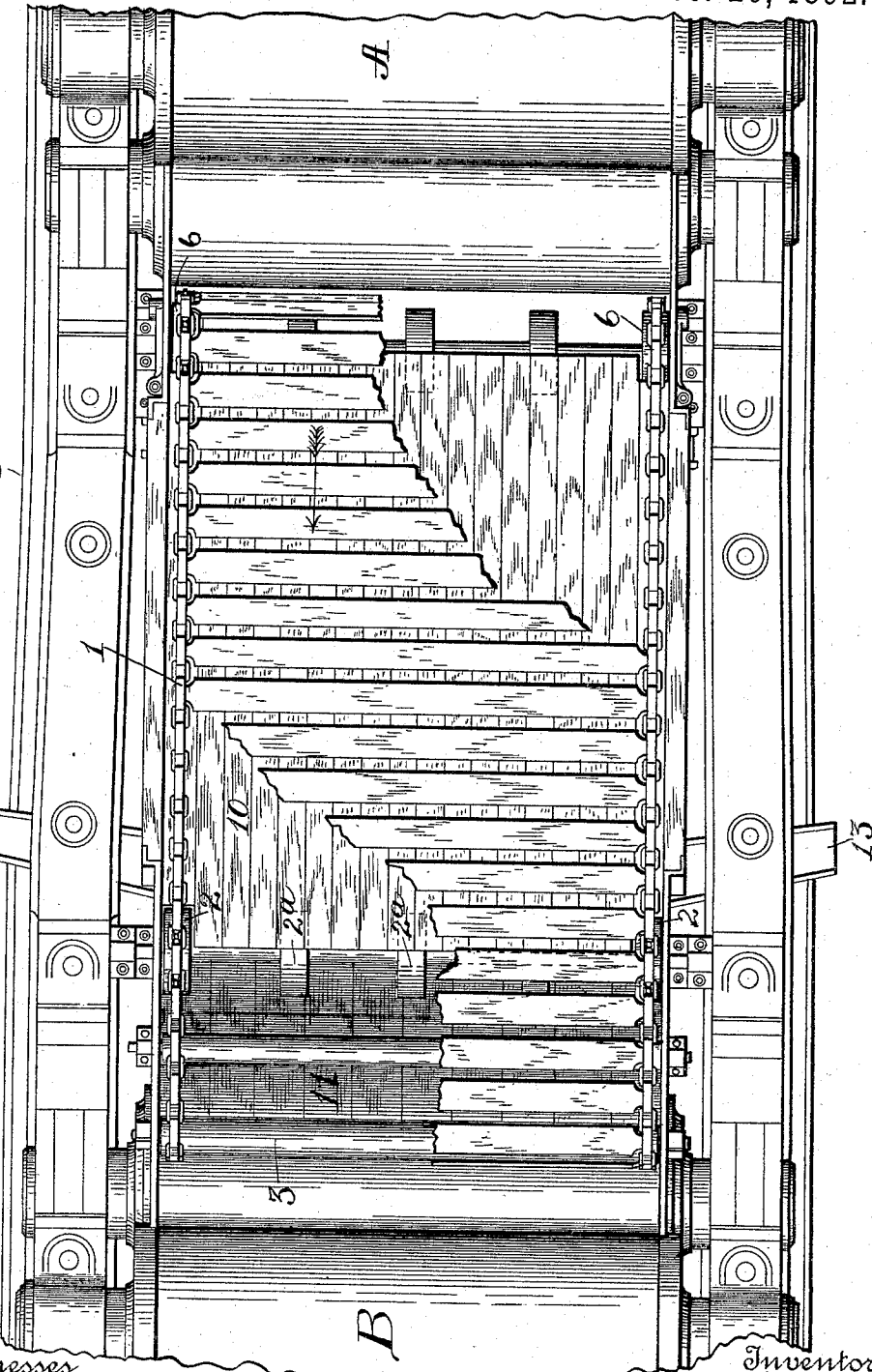
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Fig. 2. C



Witnesses

*Henry C. Bowen.*  
*John C. Wilson.*

Inventor

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# UNITED STATES PATENT OFFICE.

LINUS W. BROWN, OF NEW ORLEANS, LOUISIANA.

## BAGASSE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 488,423, dated December 20, 1892.

Application filed August 15, 1892. Serial No. 443,078. (No model.)

*To all whom it may concern:*

Be it known that I, LINUS W. BROWN, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Bagasse-Carriers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in bagasse carriers, and especially for those carriers used in double mills for carrying the bagasse from one mill to another and known as intermediate carriers. Such carriers as ordinarily constructed have interstices between the slats through which the fine particles of pithy matter find their way, and drop into the juice pans, or are blown into the said pans, which are arranged below the rollers to catch the juice dripping therefrom. These particles of nearly dried pithy matter absorb juice like a sponge, and are difficult to separate during the earlier steps of clarification, and cause inconvenience and loss.

My invention is designed to catch these small particles which fall through the carrier, and to gather them into suitable receptacles, in or from which they may be conveniently removed.

Reference is had to the accompanying drawings, wherein the same parts are indicated by the same letters and numerals, throughout the several views.

Figure 1 represents a side elevation of an intermediate carrier, parts being broken away, and the rollers of the two mills being shown in dotted lines. Fig. 2 represents a plan view of the said carrier and mills, parts being broken away.

A represents a front mill, which grinds the cane, and B represents the back mill, which grinds the bagasse, while C represents the carrier which carries the bagasse from the front mill to the back. This carrier consists of an endless apron 1, formed of slats and side chains, in the ordinary way. This apron moves in the direction of the arrows, and is driven by the sprocket wheels 2 having on its shaft the rollers 2<sup>a</sup>, and passes over the idler 3 under the tension roller 4 and adjusting screw 5, and around the idler 6. Between the sprocket wheel 2 and the idler 6 the apron passes over a tongue and grooved

floor 10, along which the slats slide. Such fine particles of bagasse as drop between the slats are dragged along by them to the end of the said floor 10, when they drop on a similar floor 11 sloping back from the upper portion of the idler 3. Any small particles of bagasse dropping between the slats as the carrier travels from the sprocket wheel 2 to the idler 3, will also fall on this inclined floor 11, and will slip back away from the mill B, against the suspended wall 12, which closes the end of the said inclined floor and at the same time supports the end thereof. Sides 14 and chutes 13 may be added to the inclined floor, if desired. Baskets placed under the chutes would collect the fine particles of bagasse, which might be dumped upon the carrier leading to the bagasse furnace if desired.

Having thus described my invention, what I claim and desire to secure by Letters Patent of the United States, is:—

1. An apparatus for carrying bagasse from one mill to another, comprising an endless apron formed of slats and side chains, with means of driving the same, a floor extending part of the way beneath the upper portion of said apron and terminating at some distance from the second mill, and a floor situated beneath the end of the upper floor and the remainder of the upper portion of the apron and above the return portion of the apron and sloping backward, substantially as and for the purposes described.

2. An apparatus for carrying bagasse from one mill to another, comprising an endless apron formed of slats and side chains, with means of driving the same, a floor extending part of the way beneath the upper portion of said apron and terminating at some distance from the second mill, and a floor situated beneath the end of the upper floor and the remainder of the upper portion of the apron and above the return portion of the apron and sloping backward, with side guards to the said lower floor and a chute extending from the lower end thereof, substantially as and for the purposes described.

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

LINUS W. BROWN.

Witnesses:

FELIX J. DREYFOUS,  
GEO. MONTGOMERY.