

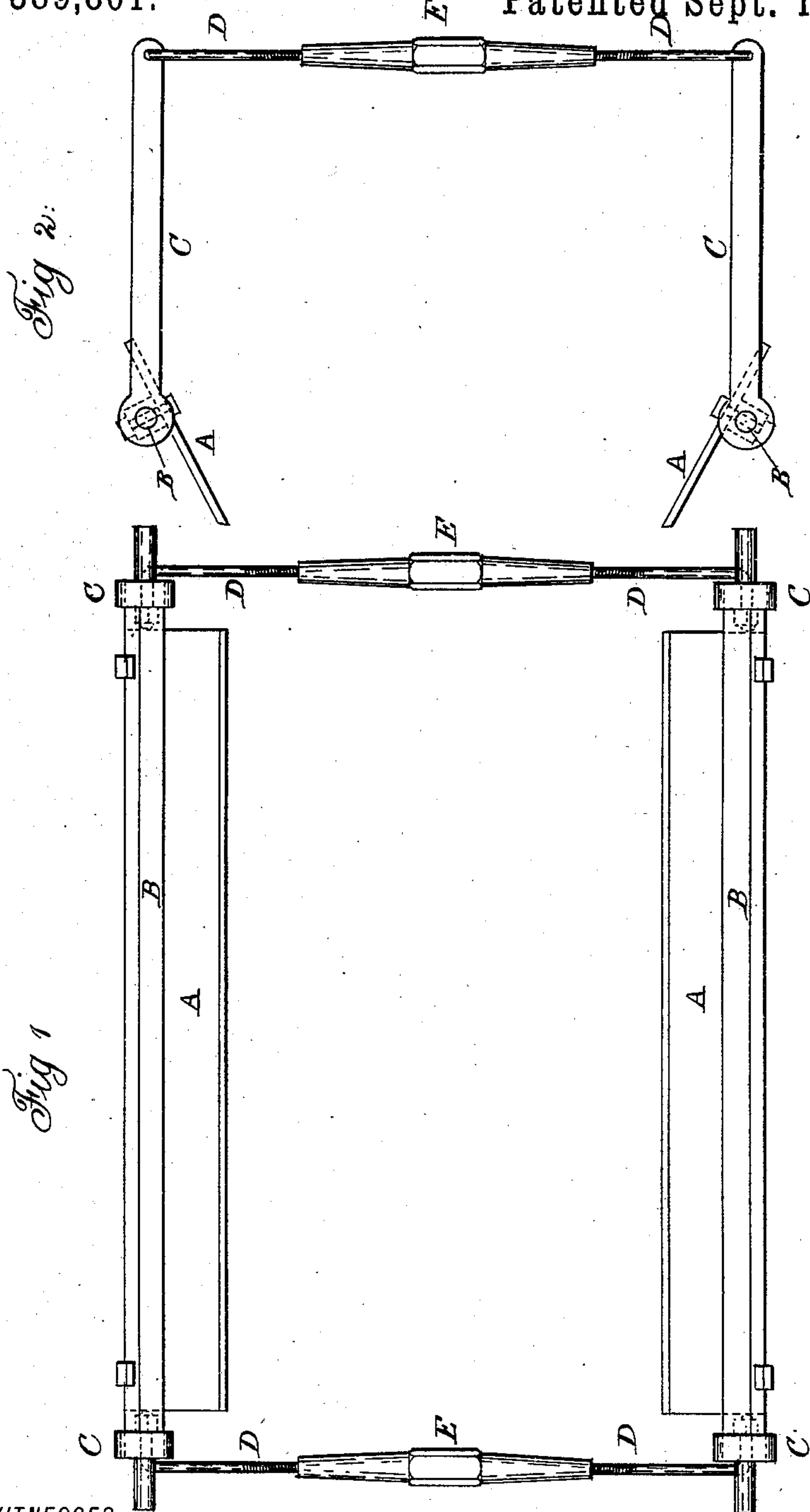
(No Model.)

2 Sheets—Sheet 1.

M. L. FLOWERS.
SCRAPER FOR CANE MILLS.

No. 389,801.

Patented Sept. 18, 1888.



WITNESSES:

Edward H. Robinson
Roger J. Fane.

INVENTOR

Martin Louis Flowers

BY

Frederic Cook.

ATTORNEY

(No Model.)

2 Sheets—Sheet 2.

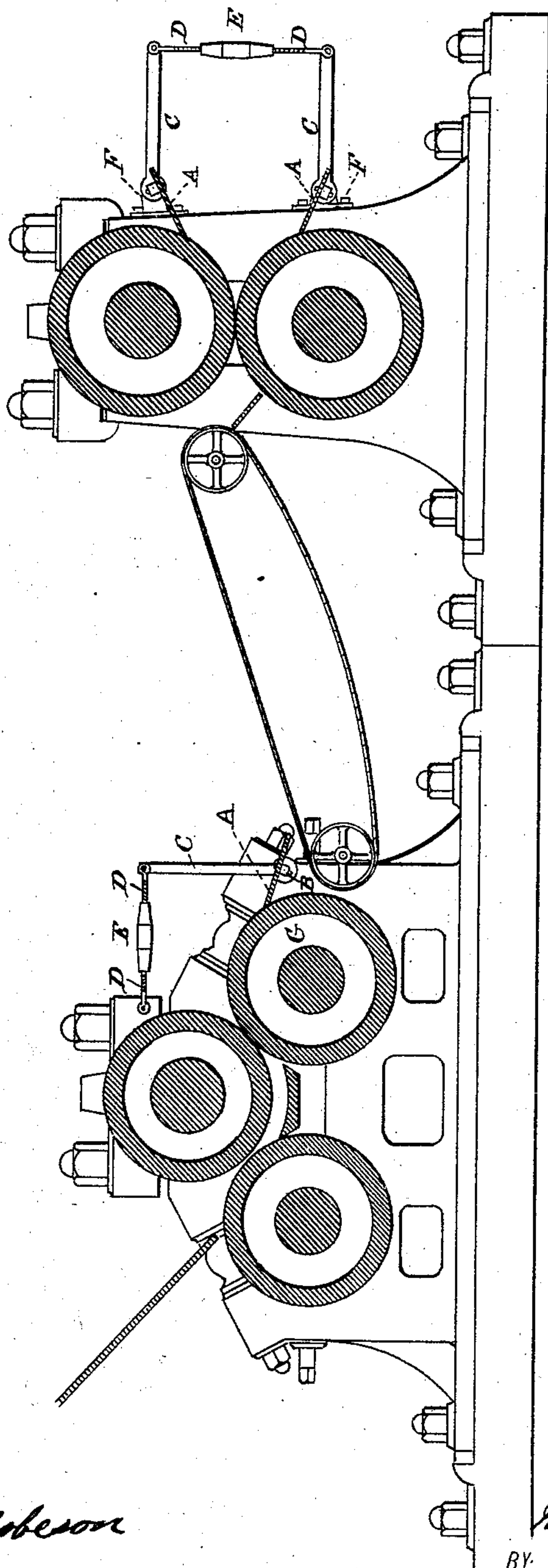
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Fig 3.



WITNESSES:

Edward H. Robeson
Roger J. Faurer.

INVENTOR

Martius Louis Flowers

BY

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ATTORNEY

UNITED STATES PATENT OFFICE.

MARTIN LOUIS FLOWERS, OF NEW ORLEANS, LOUISIANA, ASSIGNOR OF ONE-HALF TO WALTER ANDERSON TAYLOR AND WILLIAM ROBERT TAYLOR, BOTH OF SAME PLACE.

SCRAPER FOR CANE-MILLS.

SPECIFICATION forming part of Letters Patent No. 389,801, dated September 18, 1888.

Application filed March 15, 1888. Serial No. 267,220. (No model.)

To all whom it may concern:

Be it known that I, MARTIN LOUIS FLOWERS, 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 Scrapers for Cane-Mills; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

This invention has for its object to provide novel means for rigidly or inflexibly holding a scraper in contact with a roller for the purpose of efficiently removing the fine bagasse or other substance adhering thereto. This object I accomplish by the features of construction and combination of devices, hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a longitudinal view of a pair of scrapers and attachments for a two-roller cane-mill. Fig. 2 is an end view of same. Fig. 3 is a cross-section through rollers of a five-roller cane-mill, showing my improved scrapers applied thereto.

At Figs. 1 and 2 the scrapers A are bolted fast to square bars B, and to these bars B are secured the rigid or inflexible levers C. Tie-rods D connect the levers C together by means of an interposing turn-buckle, E, screwed on the tie-rods D by a right and left hand thread. When the turn-buckle E is turned to the right, the levers C are drawn together, and as the ends of bar B are journals, turning in suitable

bearings, as shown at F, Fig. 3, the scrapers are drawn firmly and tightly up against the roller-surfaces, and rigidly or inflexibly held against the latter.

At Fig. 3 the three-roller mill has but one scraper applied to one lower roller, G. The scrapers are shown at A, the levers at C, the turn-buckle at E, and the tie-rods at D. The tie-rods all have a pivotal engagement with the rigid levers for the proper movements of the parts.

The two-roller mill shows the double scrapers A, the levers C, tie-rods D, and turn-buckles E, as applied to a mill with double rollers.

It is obvious that the scrapers can be applied to any kind of mill rolling any material that adheres to the surface of the roller and has to be scraped off.

What I claim, and desire to secure by Letters Patent, is—

The combination, with the rollers of a sugar-cane mill, of the rotating bars B, the scrapers A, secured to the bars, the rigid levers C, fixed to said bars, the pivoted right and left screw-threaded tie-rods D, secured, respectively, to the levers, and the turn-buckles E, connecting the tie-rods, substantially as described.

In testimony whereof I have hereunto subscribed my name in the presence of two witnesses.

MARTIN LOUIS FLOWERS.

Witnesses:

D. I. DOWERS,
OVIDE L. LE BLANC.