

(No Model.)

J. CRYDERMAN.  
LEATHER WORKING MACHINE.

No. 560,782.

Patented May 26, 1896.

Fig. 2.

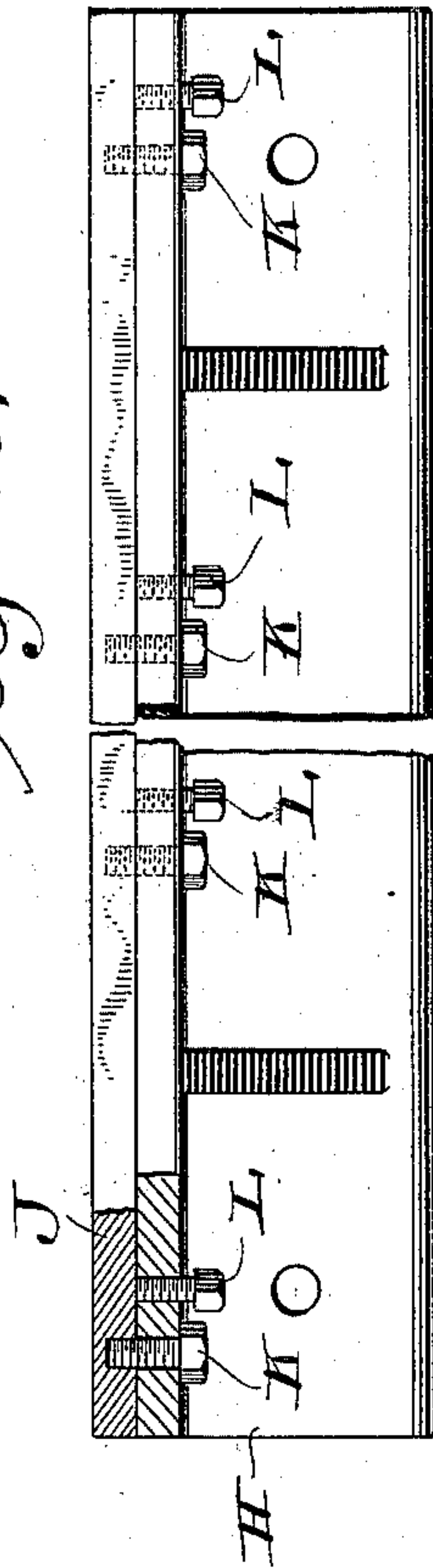


Fig. 3.

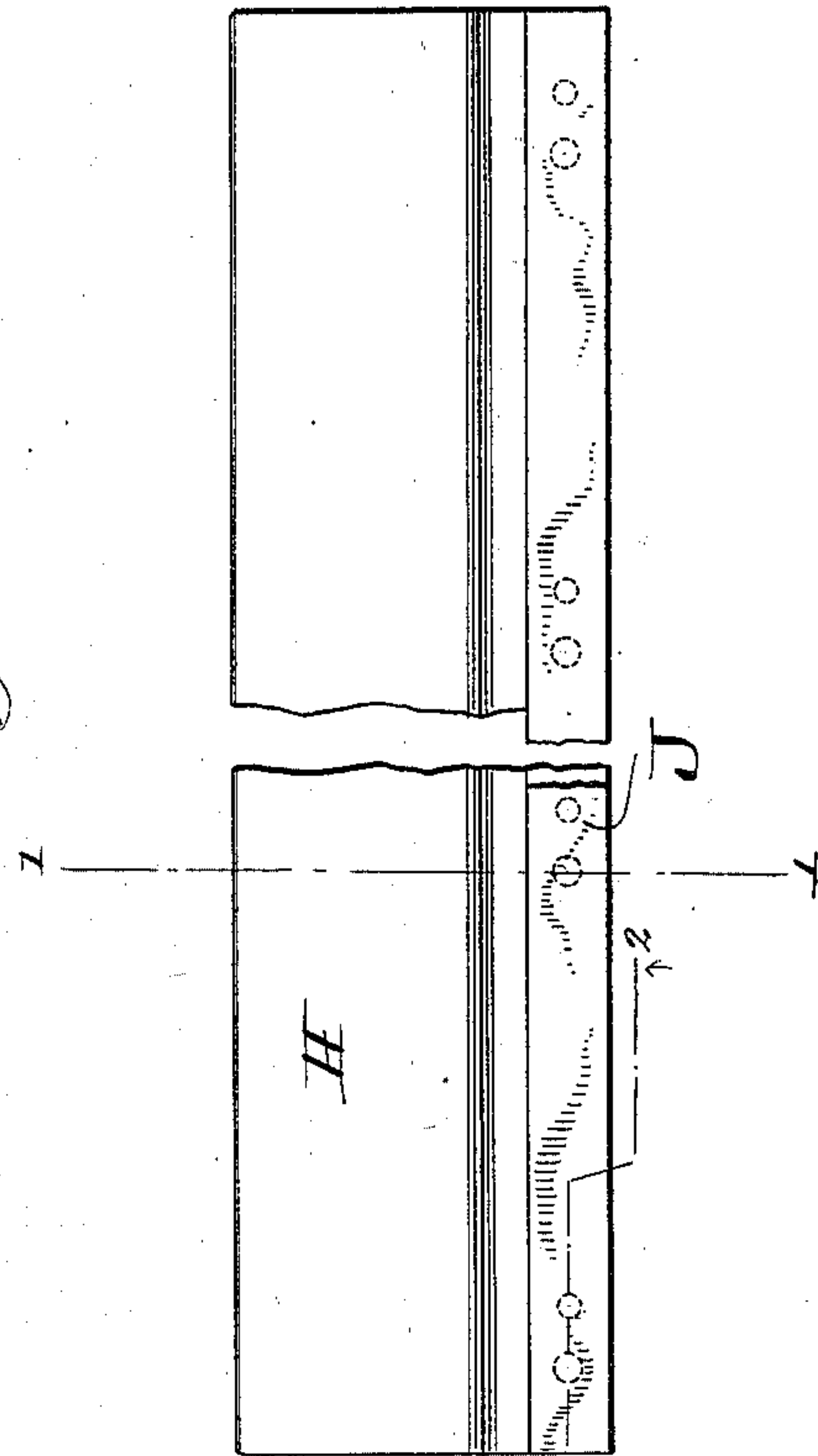
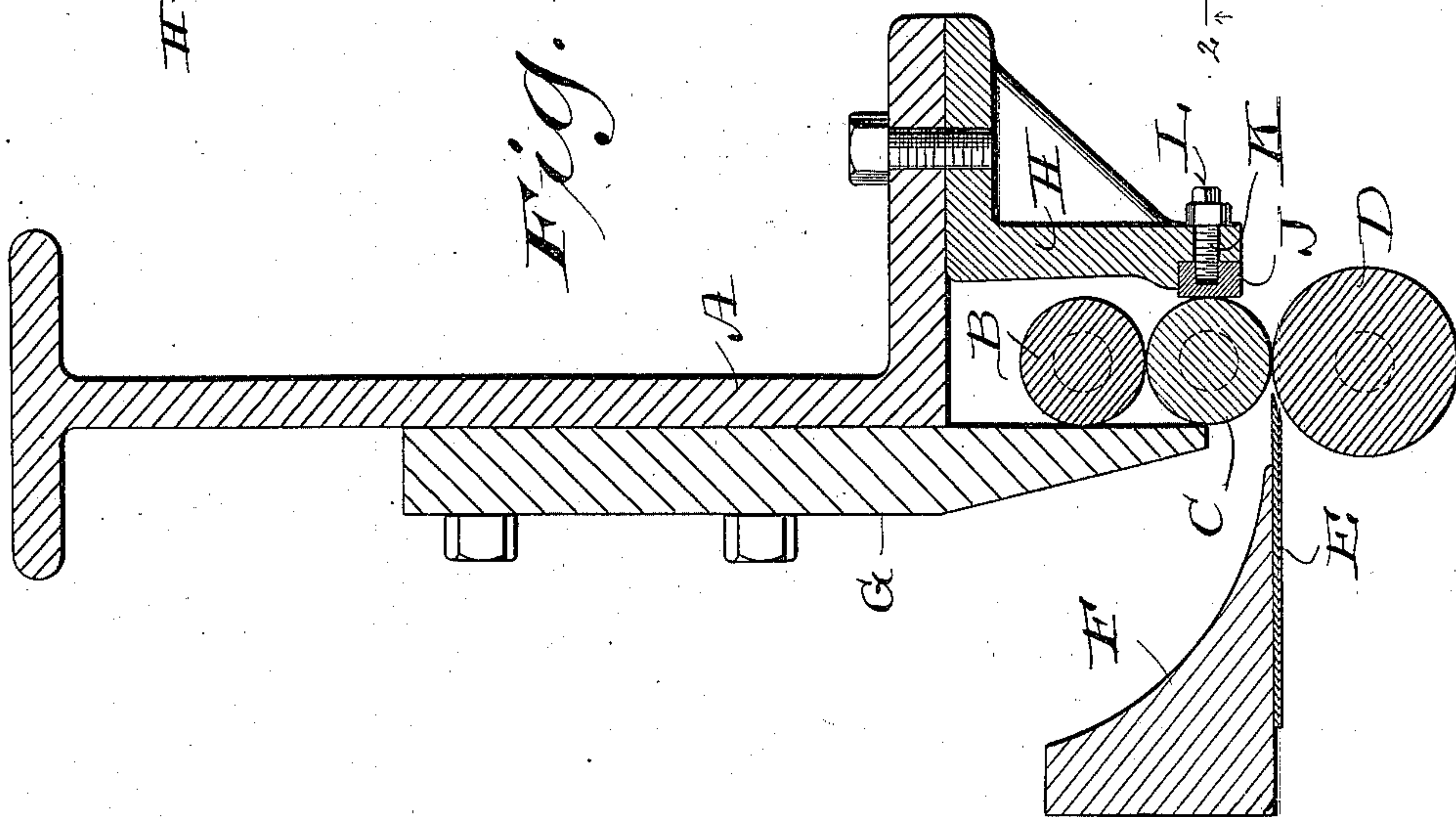


Fig. 1.



Witnesses:  
Geo W Young,  
N. E. Oliphant

Inventor:  
Jacob Cryderman  
By H. G. Underwood  
Attorneys



# UNITED STATES PATENT OFFICE.

JACOB CRYDERMAN, OF MILWAUKEE, WISCONSIN, ASSIGNOR OF ONE-HALF  
TO GEORGE C. VAUGHN, OF PEABODY, MASSACHUSETTS.

## LEATHER-WORKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 560,782, dated May 26, 1896.

Application filed September 28, 1895. Serial No. 563,969. (No model.)

*To all whom it may concern:*

Be it known that I, JACOB CRYDERMAN, 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 Leather-Working Machines; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to readily compensate for wear and prevent spring of gage-rolls in leather skiving and splitting machines.

Therefore it consists in certain peculiarities of construction and combination of parts hereinafter set forth with reference to the accompanying drawings and subsequently claimed.

In the drawings, Figure 1 represents a sectional view of a portion of a leather skiving or splitting machine embodying my improvements, the section being taken on the plane indicated by line 1 1 in Fig. 3; Fig. 2, an inverted view of the angle-iron or rear gage-roll plate of the machine provided with said improvements, the view being partly in section on line 2 2 of Fig. 3; and Fig. 3, a front elevation of said angle-iron or gage-roll plate provided with a compensating bar that constitutes the essential feature of my invention.

In leather skiving and splitting machines as heretofore constructed it has been found impossible to maintain the angle-iron or rear gage-roll plate in proper working position because of uneven wear of the opposing parts, and therefore frequent renewal of said iron or plate is necessary, this being a matter of considerable expense that is remedied by my construction and arrangement of parts, as hereinafter specified.

Referring by letter to the drawings, A represents a portion of the frame of a leather skiving or splitting machine; B, the friction-roll; C, the gage-roll; D, the feed-roll; E, the knife; F, the top jaw-plate abutting said knife; G, the plate in front of the friction and gage rolls, and H the angle-iron or plate in rear of said rolls.

In machines of the ordinary construction the angle-iron or plate H is bolted to the frame A to have the lower portion of its vertical face in frictional contact with the gage-roll C, as a means for preventing spring of said roll; but owing to unequal wear of these op-

posing parts the desired object is only attained for a limited time. To compensate for wear, the angle-iron or plate H is generally sprung forward at the cost of considerable time and labor; but at best this is only a temporary expedient for the reason that said angle-iron or plate has a tendency to readjust itself.

To overcome the difficulties and objections heretofore experienced, I provide the lower inner corner of the angle-iron or plate H with a notch for the loose fit of a preferably steel bar J, that comes in opposition to the gage-roll C, as clearly illustrated in Fig. 1, this bar being engaged by screws K, that extend through said angle-iron or plate at intervals longitudinally of the same. Other screws L extend through the angle-iron or plate H to bear against the bar J, adjacent to the former screws, and by means of the several screws said bar may be laterally adjusted to stand parallel to the gage-roll C and compensate for wear at any point longitudinally of the same, this being a matter of the utmost importance for the reason that said wear is unequal in machines of that class to which my invention relates, the greatest wear being generally midway the length of the aforesaid bar.

When the compensating bar J becomes unserviceable, it is apparent that another may be readily substituted, the angle-iron or plate H remaining uninjured and serviceable.

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

In a leather skiving or splitting machine, the combination of the gage-roll, the rear gage-plate having a notched lower inner corner, a wear-bar engaging the plate-notch to face said roll, screws connecting the plate and wear-bar at intervals longitudinally of the same, and other screws arranged in said plate to bear against the wear-bar adjacent to the former screws.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

JACOB CRYDERMAN.

Witnesses:

N. E. OLIPHANT,  
B. C. ROLOFF.