

No. 681,192.

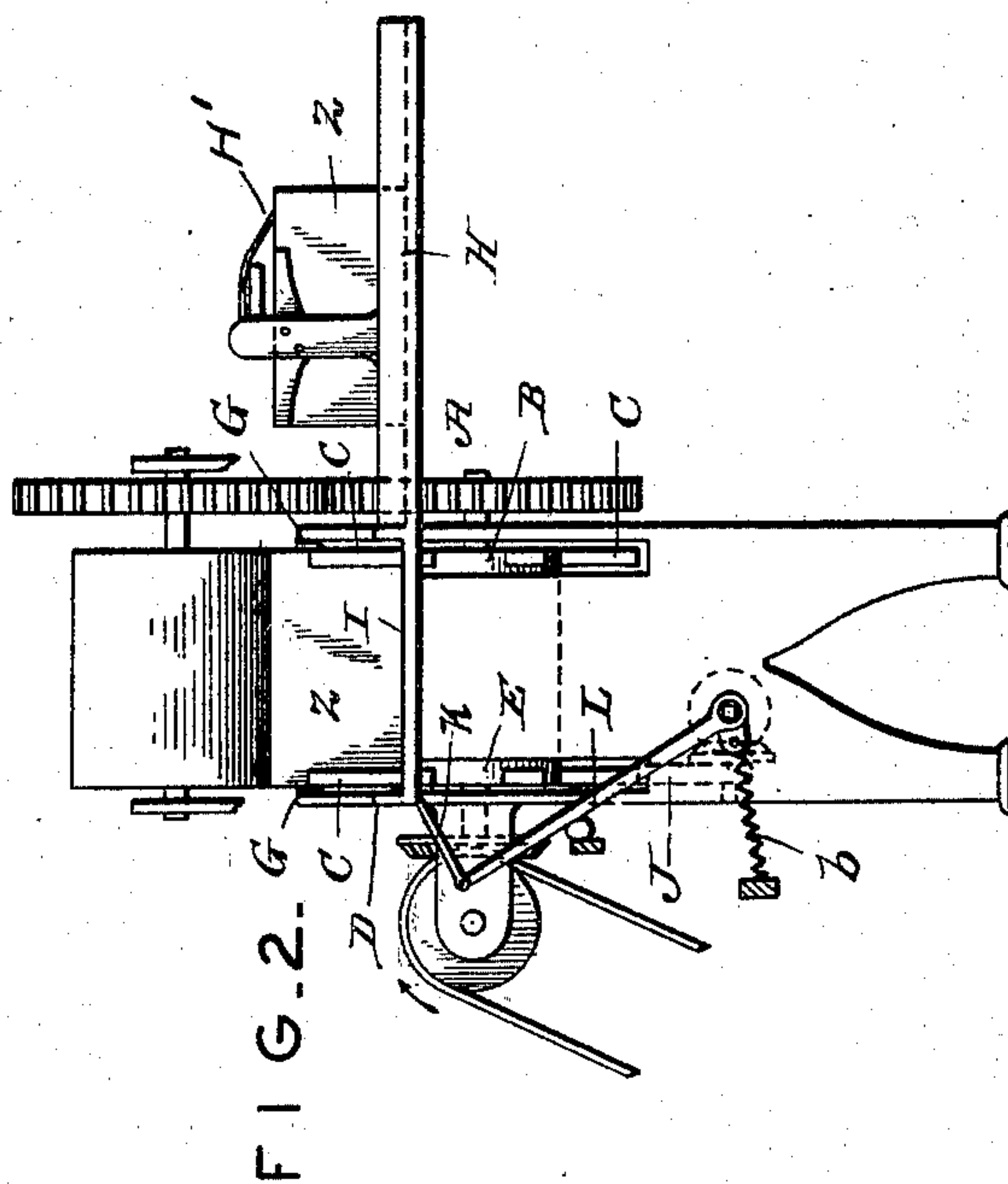
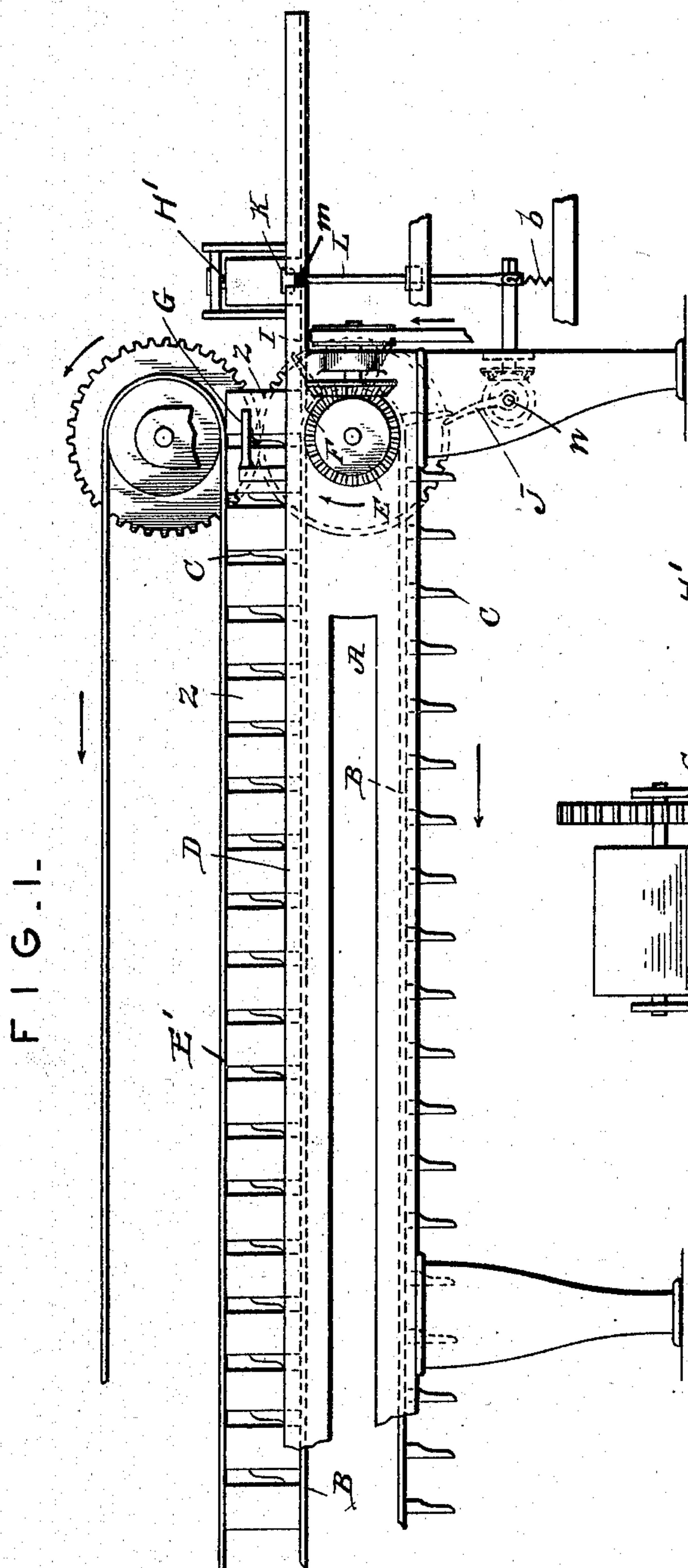
Patented Aug. 27, 1901.

L. S. BURBANK.
MARKING MACHINE.

(Application filed Nov. 19, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses

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George W. Anderson

Inventor
Louis S. Burbank.
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his Attorney

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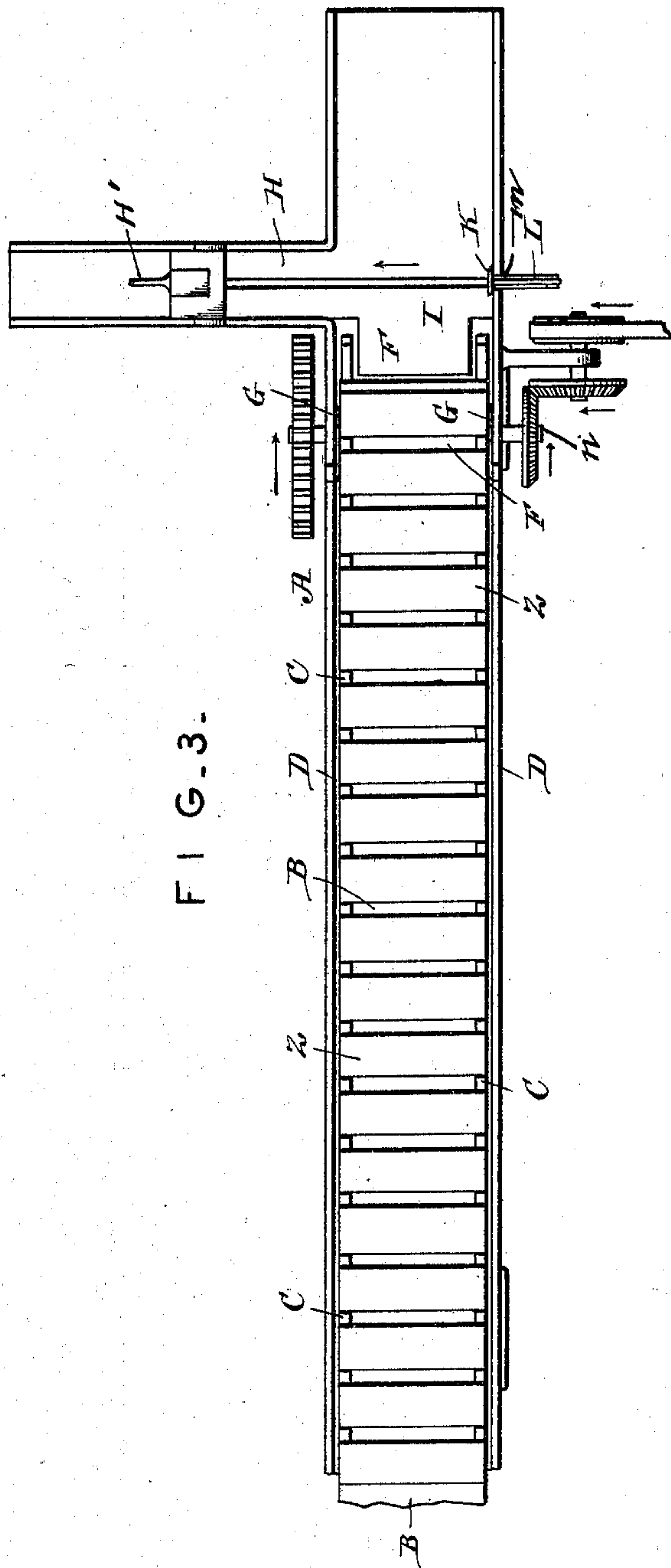
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Witnesses

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UNITED STATES PATENT OFFICE.

LOUIS S. BURBANK, OF WORCESTER, MASSACHUSETTS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE NATURAL FOOD COMPANY, OF NIAGARA FALLS, NEW YORK.

MARKING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 681,192, dated August 27, 1901.

Application filed November 19, 1900. Serial No. 37,032. (No model.)

To all whom it may concern:

Be it known that I, LOUIS S. BURBANK, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Marking-Machines; 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.

In the accompanying drawings, Figure 1 is a partial side elevation of my machine. Fig. 2 is an end elevation of the same, and Fig. 3 is a plan view of the same.

This invention has relation to mechanism for placing a mark or sign upon packages or cartons as they are fed by a carrying device, all as hereinafter set forth.

In the accompanying drawings the letter A designates the end portion of the framework, supporting an endless carrier or belt B, having series of opposite fingers C rising from its edge portions, said fingers serving to push the cartons Z along independently. At each side of the carrier-belt is attached to the frame a narrow side guard D, designed to keep the cartons or boxes in line at their ends. The end pulley, around which the belt B passes downward to return, is indicated at E. An upper belt E', parallel to the belt B and moving with equal speed, serves to engage the tops of the boxes and hold them to a steady movement. A tongue-board or bridge-piece F, somewhat narrower than the interval between the two opposite fingers of the belt, extends to that portion of the latter when it begins to bend in its downward movement and serves to take the boxes from the belt as they are pushed thereon by the edge fingers. In order to prevent the lower front corner of each box or carton from catching against the edge or lip of the bridge F, the inwardly-inclined lateral springs or friction-fingers G are attached to the frame in position to extend along the upper portion of each box as it is carried along between them near the end of the belt. These spring-fingers have a frictional bearing on the box and hold its upper portion back a little, so that its

forward lower corner rises to pass the edge of the bridge. The boxes pass over the bridge, being pushed along by each other and move along the receiving-way I, one behind another, until the lateral slide way H is reached. As each box comes opposite this slideway it is engaged by the finger K of the reciprocating spring trip-lever L, said finger working through a slot *m* of the slideway, as indicated. Forward motion is communicated intermittently to the lever L by means of the fingers of the endless carrying-belt and the tappet-arms J of the gear-shaft *n* in connection with the gear-shaft of the trip-lever. A spring *b* serves to quickly retract the lever when the tappet-arms escape the fingers of the belt.

Transversely arranged over the lateral slideway H in position just above the tops of the boxes passing along said slideway is an inking-pad and pen or a marking-roller, said pen or roller or other marking device H' being arranged in an inclined pendent position in such manner that its marking will be effected along the top of the box passing through the slideway thereunder.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination with the endless package-carrier and its edge fingers, of the bridge-board, the lateral friction device, the slotted slideway, and its marking device, the spring-retracted lever and the trip-gearing in connection therewith, and intermittently operated by the fingers of the endless package-carrier, substantially as specified.

2. In a marking-machine, the combination with the endless carrier and its fingers, of the trip-lever, its retracting-spring, and actuating mechanism for said trip-lever operated intermittently by said fingers, substantially as specified.

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

LOUIS S. BURBANK.

Witnesses:

ALBERT H. CHAFFEE,
J. R. GILKESON.