

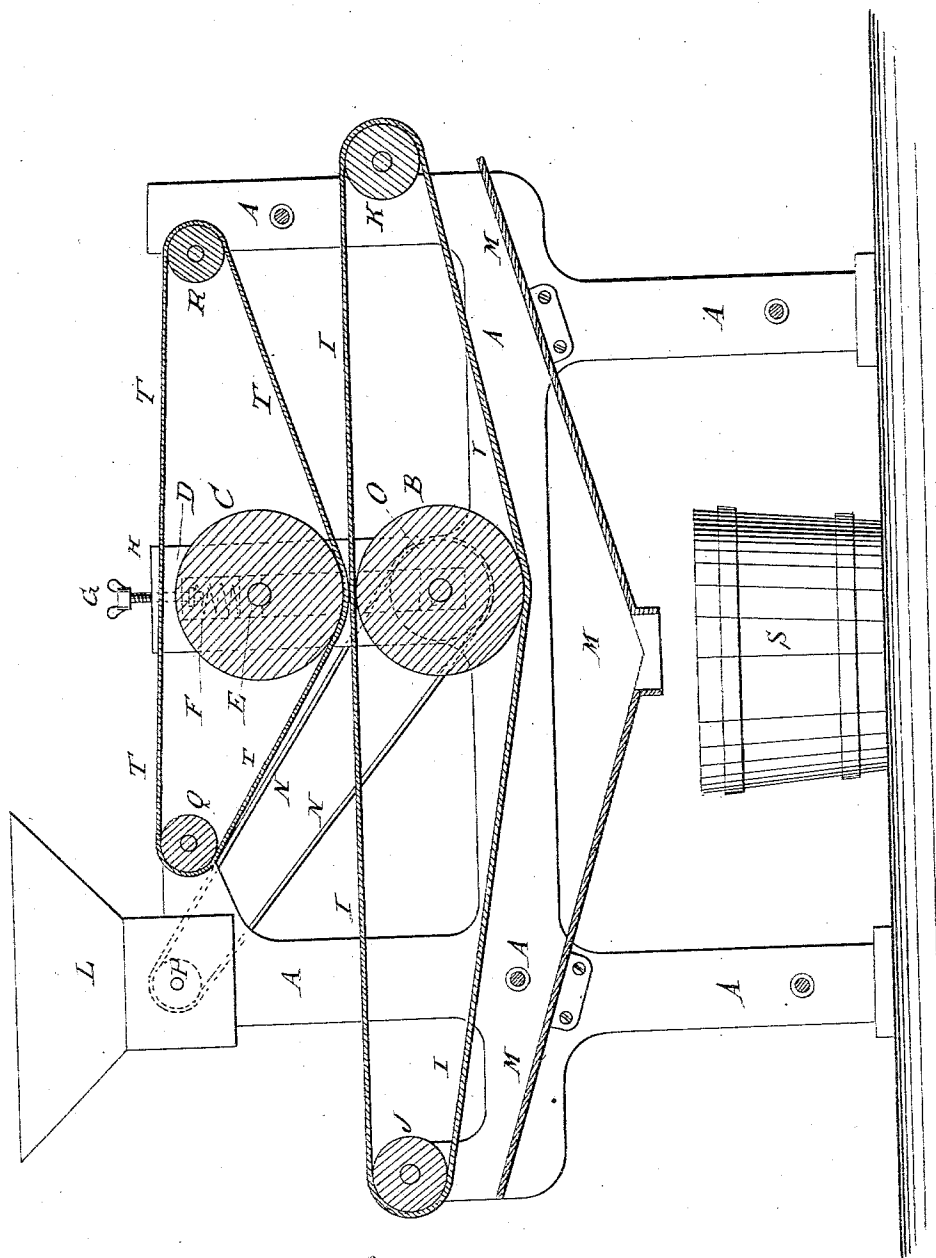
(No Model.)

D. G. HIGINSON & C. S. DE BAUN.

CIDER AND WINE PRESS.

No.315,784.

Patented Apr. 14, 1885.



WITNESSES:

Chas. Nida
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INVENTOR:

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UNITED STATES PATENT OFFICE.

DAVID G. HIGINSON, OF SPRING VALLEY, NEW YORK, AND CORNELIUS S. DE BAUN, OF WESTWOOD, NEW JERSEY.

CIDER AND WINE PRESS.

SPECIFICATION forming part of Letters Patent No. 315,784, dated April 14, 1885.

Application filed November 4, 1884. (No model.)

To all whom it may concern:

Be it known that we, DAVID G. HIGINSON, of Spring Valley, in the county of Rockland and State of New York, and CORNELIUS S. DE BAUN, of Westwood, in the county of Bergen and State of New Jersey, have invented a new and useful Improvement in Cider and Wine Presses, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawing, forming a part of this specification, and which is a sectional side elevation of one of our improved presses.

The object of this invention is to provide cider and wine presses simple and inexpensive in construction, convenient in use, and effective in operation.

The invention consists in the construction and arrangement of parts, as will be hereinafter fully described.

A represents the frame of the press, which may be made of any desired or convenient length, breadth, and height. B C are two rollers of any desired size, and which we prefer to face with rubber. The rollers B C are placed one above the other, and their journals revolve in slots in standards D, formed in or attached to the frame A. The upper roller, C, or both rollers B C, are made heavy, and upon the journals of the said upper roller are placed half-bearings E, upon which rest the lower ends of spiral springs F, upon the upper ends of which rest plates, against which bear the ends of hand-screws G. The hand-screws G pass through screw-holes in the caps H of the slotted standards D, so that the upper roller, C, can be held down with any desired pressure, and will be allowed to rise should a hard substance pass between the said rollers B C. The springs F can be replaced by weights, if desired.

Between the rollers B C passes the upper part of an endless belt, I, made of canvas or other suitable material, which passes around two rollers, J K, journaled to supports at the ends of the frame A.

With the frame A or other suitable support at the forward end of the machine is connected an ordinary grater, L, from which the pomace falls upon the belt I, and is carried by the said

belt between the rollers B C. The juice expressed from the pomace passes through the meshes or off the side edges of the belt I and falls into a hopper-shaped spout, M, secured to the lower part of the frame A, and flows from the discharge-opening of the said spout M into a tank, S, or other receiver placed beneath it. The pomace falls from the belt I at the rear end of the machine. The belt I receives motion from the lower roller, B, which is driven by a belt, N, passing around a pulley, O, attached to a journal of the said roller, and around a pulley, P, attached to the shaft of the grater L. If desired, the driving-power can be applied to one of the end rollers, J K. If desired, a second endless belt, T, can be used, the lower part of which passes between the rollers B C, and which passes around rollers Q R, journaled to supports at the front and rear upper parts of the frame A, to prevent the pomace from adhering to the upper roller, C. With this construction the juice will be expressed from the pomace as it comes from the grater in a continuous operation, and all handling of the pomace will be avoided.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. A cider and wine press constructed substantially as herein shown and described, and consisting of the spring-pressed rollers B C, endless belt T and its guide-rollers Q R, the endless belt I and its guide-rollers J K, and the hopper-shaped spout M, extending below the belt I from roller J to roller K, as set forth.

2. The combination, with a grater, L, of the endless belt I below the grater, guide-rollers J K, the spring-pressed pressure-rollers B C, the endless belt T, the guide-rollers Q R, and a driving mechanism, and the hopper-shaped spout M, extending below the entire lower surface of the belt I, substantially as herein shown and described, whereby the juice will be expressed from the pomace as it comes from the grater in a continuous operation, as set forth.

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Witnesses:

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