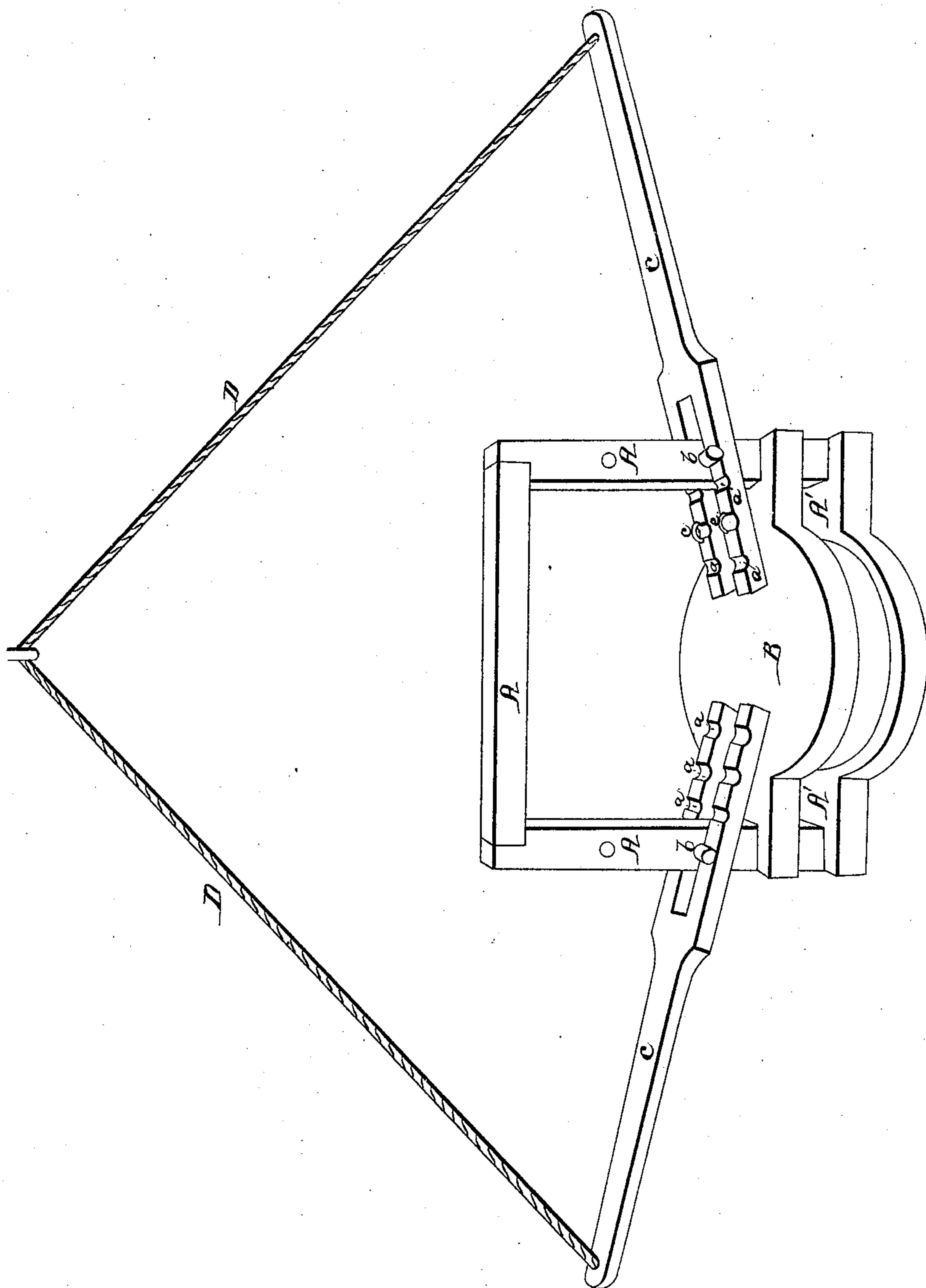


J. A. Fletcher,

Cheese Press.

N^o 1650.

Patented June 20, 1840.



UNITED STATES PATENT OFFICE.

J. A. FLETCHER, OF IRASBURY, VERMONT.

CHEESE-PRESS.

Specification of Letters Patent No. 1,650, dated June 20, 1840.

To all whom it may concern:

Be it known that I, J. A. FLETCHER, of Irasbury, in the county of Orleans and State of Vermont, have invented an Improved
5 Press for Pressing Cheese and other Articles, which I denominate the "Pendulous Self-Acting Press;" and I do hereby declare that the following is a full and exact description thereof.

10 In my press the weight of the cheese or other substance to be pressed and the weight of the whole press act conjointly as the power by which the pressure is to be made, a circumstance which constitutes an essential
15 difference between it and those presses in which the weight of the substance pressed alone has been made the operating power, while at the same time my press is more simple in its construction and more readily
20 managed than any other heretofore made the construction of which has become known to me.

In the accompanying drawing, A, A, A, is the frame of my press, the lower part of
25 which A', A', constitutes the bed, upon which the substance to be pressed is the rest. B, is the follower, which is guided up and down by the side pieces of the frame.

30 C, C, are two levers, notched or forked, at their inner ends, so as to embrace the uprights or side pieces, and to bear upon the followers. On the upper sides of the forked ends of these levers there are transverse notches, or flutes *a, a, a*, to adapt them to
35 bear against the pins *b, b*, which pass through the uprights A, A, and constitute the fulcra of the levers C, C, which levers may consequently be shifted so as to increase or diminish their power.

The press is to be suspended by a cord D, 40 D, affixed to the outer ends of the levers, in the manner represented; by which arrangement the whole weight of the press, with any additional load placed upon it, will act on the long arms of the levers, and force the 45 short arms down upon the follower with a proportionate accumulation of power.

A table, or bench, may be placed immediately under the bed of the press, and may be made to raise so as to sustain and support 50 it when it is desired to take the action off from the levers.

Instead of the simple transverse flutes across the forked ends of the levers, there may be loops, or rings affixed to them, as 55 shown at *c, c*, or other analogous devices may be employed.

The press may be raised by means of a tackle, or other mechanical device, in modes 60 known to every machinist.

Having thus fully described the manner in which I construct and arrange my pendulous self-acting, press, what I claim therein as constituting my invention, and desire to 65 secure by Letters Patent, is—

The so forming and combining the respective parts, as herein described, that the whole press, with its load, shall be suspended by the longer arms of the levers C, C, and the shorter arms be thereby caused to act 70 upon the follower substantially as set forth.

J. A. FLETCHER.

Witnesses:

JESSE COOPER,
SIMON P. REDFIELD.