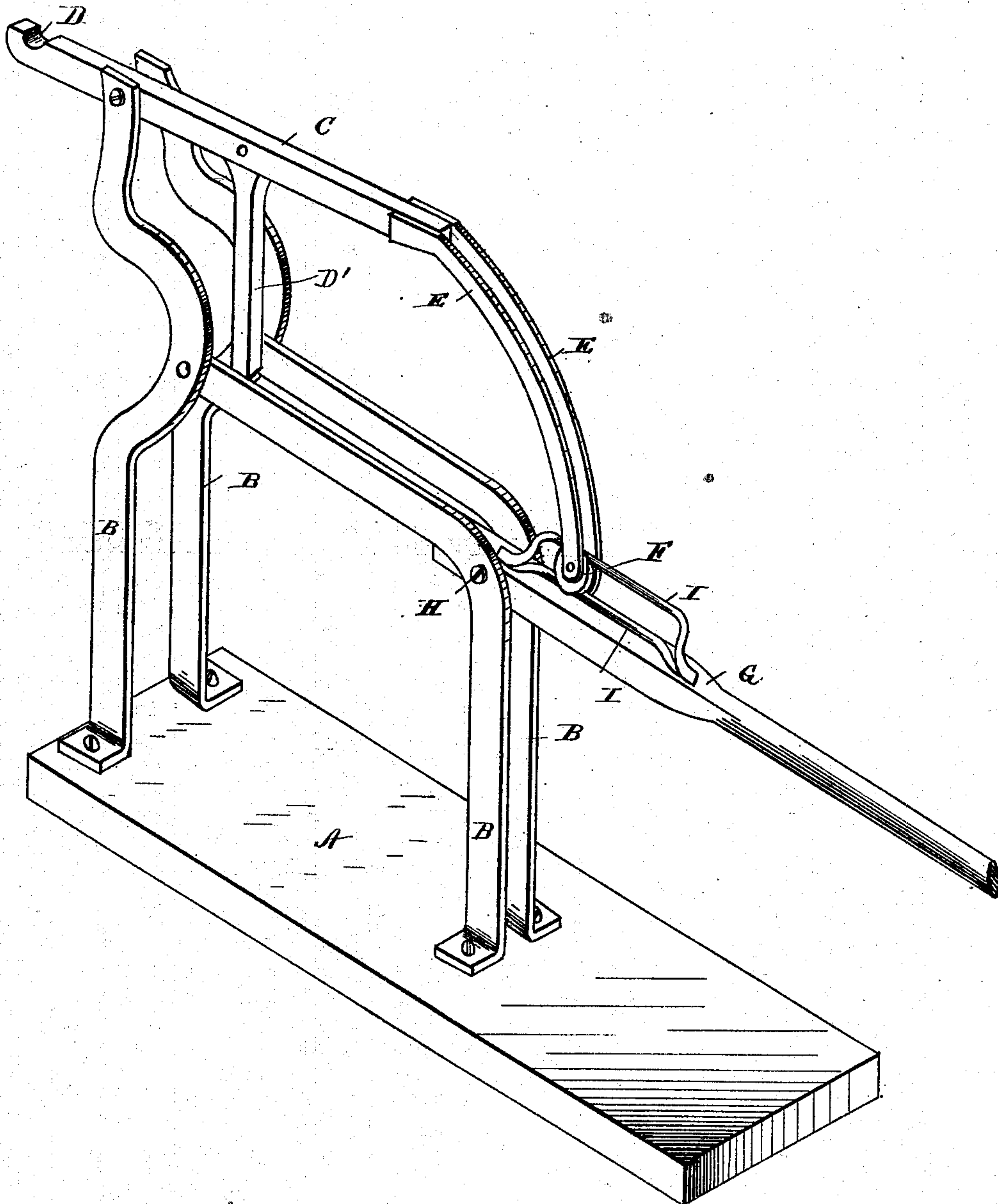


(Model.)

J. & N. HIATT.
COMPOUND LEVER.

No. 251,681.

Patented Dec. 27, 1881.



Witnesses,
Edwin L. Jewell,
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UNITED STATES PATENT OFFICE.

JESSE HIATT AND NICHOLAS HIATT, OF INDEPENDENCE, KANSAS, ASSIGN-
ORS OF ONE-THIRD TO WILLIAM DUNKIN, OF SAME PLACE.

COMPOUND LEVER.

SPECIFICATION forming part of Letters Patent No. 251,681, dated December 27, 1881.

Application filed November 16, 1881. (Model.)

To all whom it may concern:

Be it known that we, JESSE HIATT and NICHOLAS HIATT, of Independence, in the county of Montgomery, and in the State of Kansas, have invented certain new and useful Improvements in a Compound Lever for a Brick-Machine, and for all other machines, tools, and instruments where leverage power is used; and we do hereby declare the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in compound levers for operating brick-machines, cotton-presses, and other similar apparatus; and it has for its object to provide a strong and efficient apparatus, whereby powerful leverage may be secured. These objects we attain by the apparatus illustrated in the accompanying drawing, which represents a perspective view of our invention.

The letter A indicates the base of the apparatus, which may be constructed of wood or other suitable material, upon which are mounted the two parallel frames B, constructed preferably of wrought-iron in the form shown. Between the upper ends of the said frame is fulcrumed a lever, C, the short arm of which projects beyond the frame, and is provided with a recess, D, to form a lifting device. The long arm extends backward, and is provided with a vertical arm, D', and is bifurcated, as indicated by the letter E. The arm D' is intended to be employed in such machines in which a downward pressure is necessary. The lever C is provided with a grooved friction-roller, F, at its extremity.

The letter G indicates a lever fulcrumed at H between the frames. The said lever on its upper side is provided with ways I, consisting of rods of iron or other material of proper size, which are bent as indicated, and secured to the lever in any suitable manner. The said ways embrace the friction-roller, which is adapted to travel back and forth between them as the lever G is oscillated, actuating the lever C, the two levers forming a powerful compound lever, which operates with comparatively little friction, and which is strong, durable, and not liable to get out of order. The bifurcated portion E of the lever C may be carried down below the lever G, and may have the friction-roller so located as to travel on a single guide attached to the lower side of the said lever, or between double guides secured to the lower side of the same.

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

A compound lever consisting of a lever, C, having a recess, D, and an arm, D', a bifurcated extension, E, a friction-roller, F, and lever G, fulcrumed at H to the frame B and provided with ways I, the whole adapted to operate substantially as specified.

In testimony whereof we affix our signatures, in presence of two witnesses, this 28th day of September, 1881.

JESSE HIATT.
NICHOLAS HIATT.

Witnesses:

CARY OAKES,
HARRISON H. DODD.