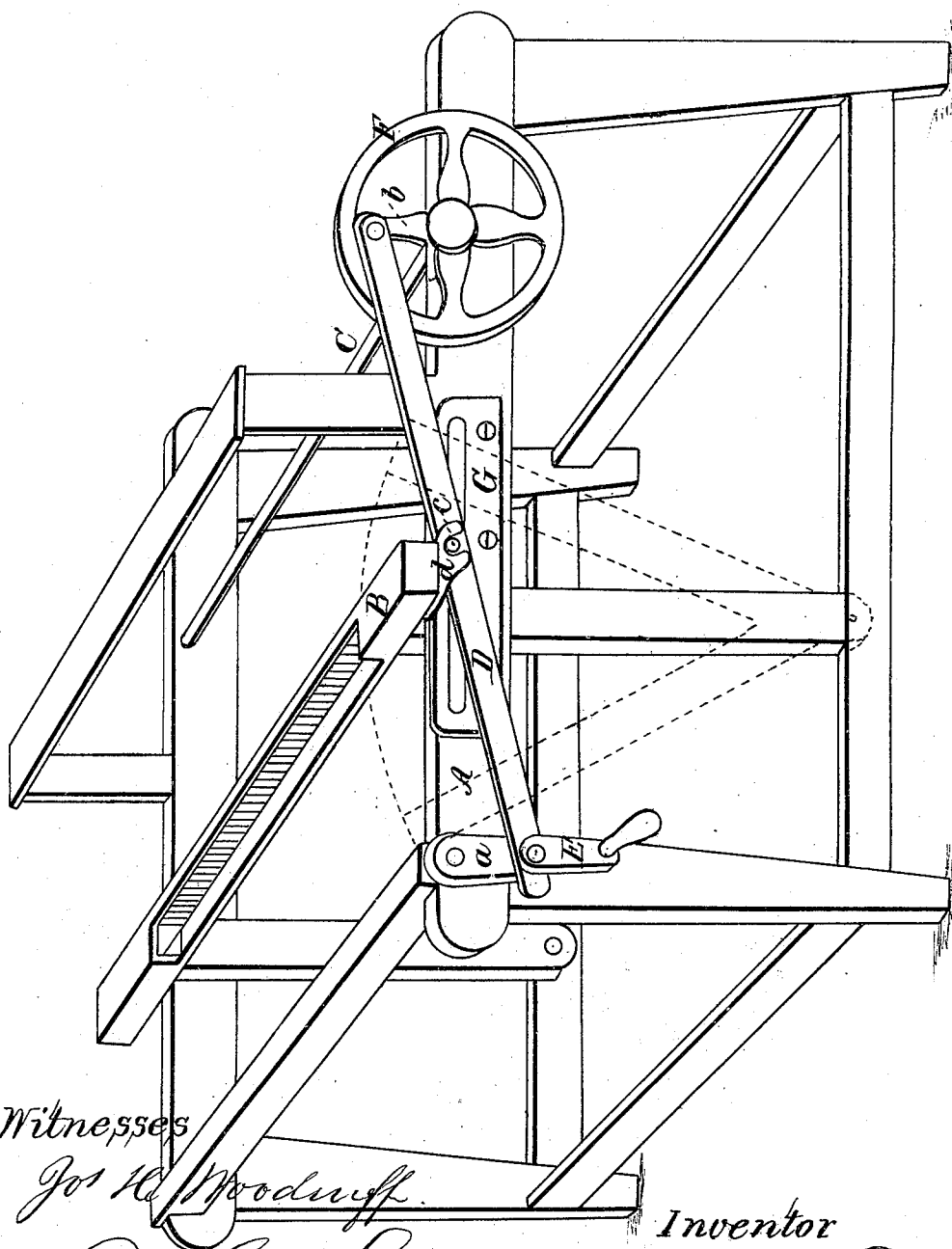


J. D. Browne.

Hand Loom.

N^o 65,997.

Patented Jun. 25, 1867.



Witnesses

Jos H. Woodruff.

Inventor

D. C. Lee John David Browne

United States Patent Office.

JOHN DAVID BROWNE, OF CINCINNATI, OHIO.

Letters Patent No. 65,997, dated June 25, 1867.

IMPROVEMENT IN HAND-LOOMS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN DAVID BROWNE, of the city of Cincinnati, county of Hamilton, and State of Ohio, have invented a new and useful Improvement in the Construction of Looms for Weaving, the nature of which consists in the mode of transmitting the motion direct to operate the batten and the shaft by which the treadles are operated; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making part of this specification, in which—

Figure 1 is a perspective view of the improvement.

A represents the frame of a loom. B is the batten. C is the shaft, by the motion of which the treadles are made to operate. D is a rod or bar, annexed to the crank *a* on the driving-crank handle E, and with the crank *b* on the fly-wheel F, which is fixed on the shaft C, the centre of the rod D having a pin, *c*, which moves back and forth in the guide-plate G fixed to the frame A. *d* is a plate, attached to the batten B, having a notch or slot fitting on the centre-pin *c* of the rod D.

Operation: By turning the crank-handle E a rotary motion is imparted to shaft C by the rod D and the cranks *a b*, and a reciprocating motion is likewise given to the batten B from the centre-pin *c* and plate *d*, thus both motions being direct from the same rod.

What I claim, and desire to secure by Letters Patent, is—

The cranks *a b* and the rod or bar D, having a centre-pin, *c*, and the guide-plate G, in combination with the shaft C, substantially as herein described.

JOHN DAVID BROWNE.

Witnesses:

JOS. H. WOODRUFF.

D. C. LEE.