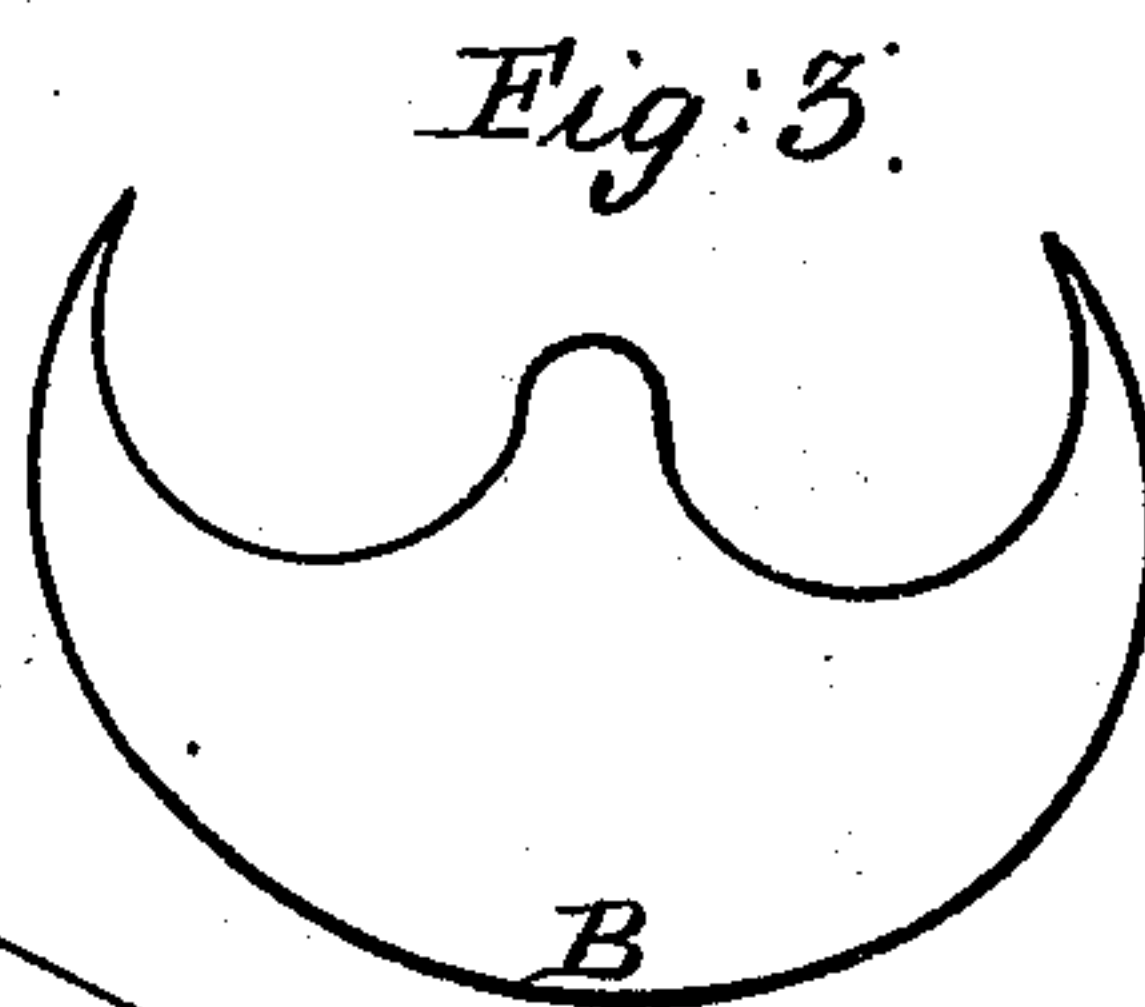
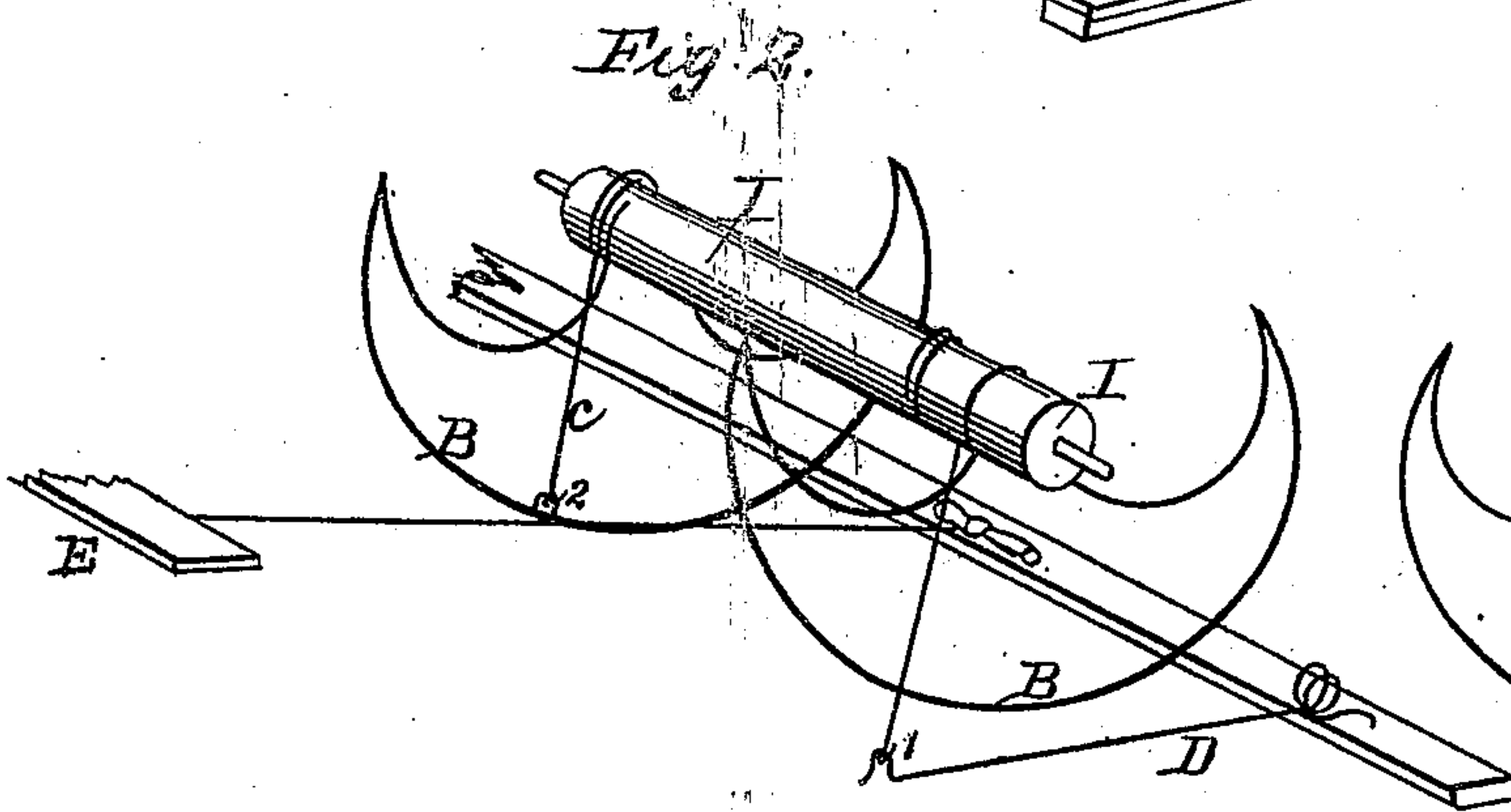
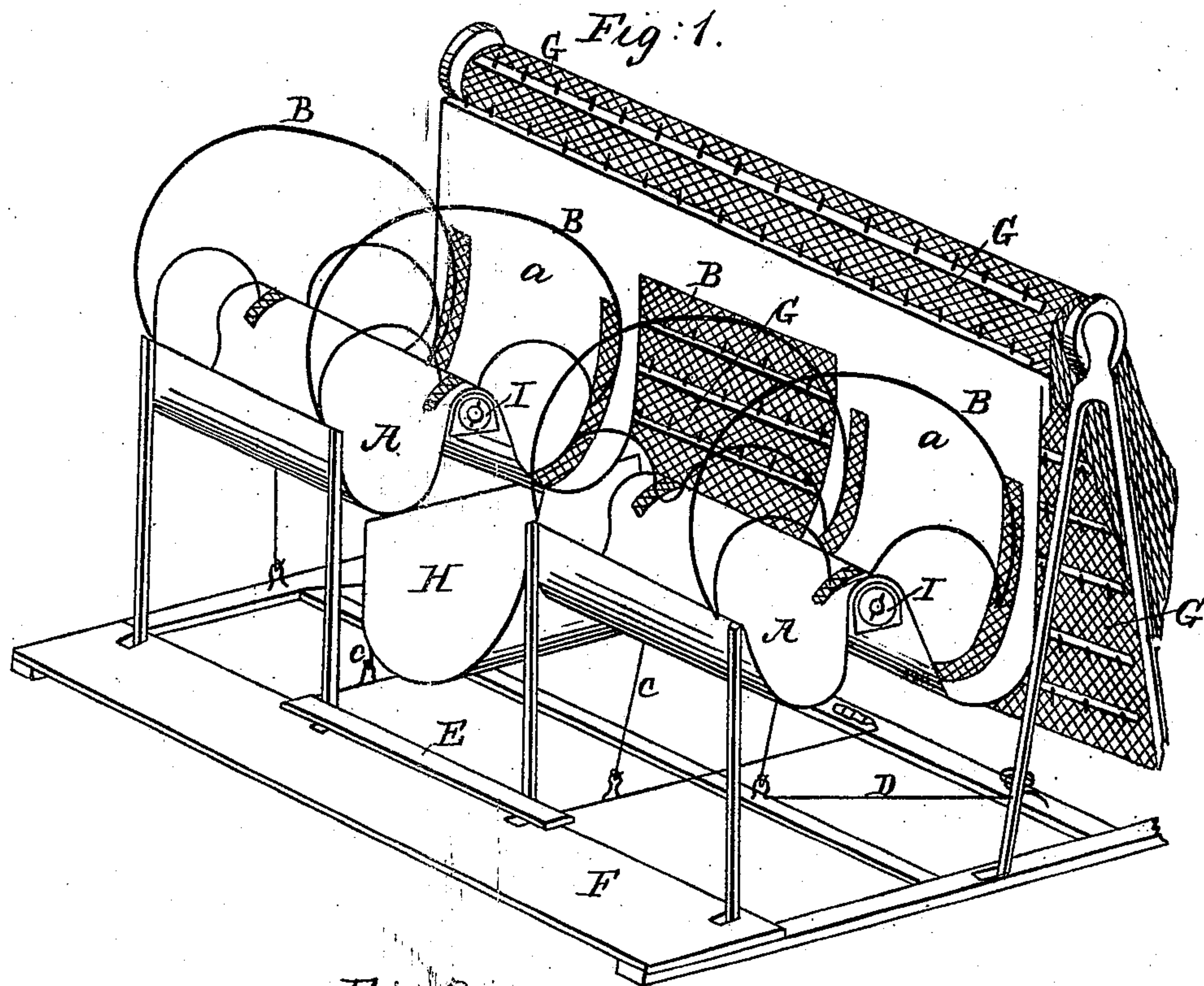


J. BAKER.
Grain Binder.

No. 93,035.

Patented July 27, 1869.



Witnesses.
H. J. Straights
J. W. Young

Inventor.
John Baker

UNITED STATES PATENT OFFICE.

JOHN BAKER, OF FAIRBURY, ILLINOIS.

IMPROVEMENT IN GRAIN-BINDERS.

Specification forming part of Letters Patent No. 93,035, dated July 27, 1869.

To all whom it may concern:

Be it known that I, JOHN BAKER, of Fairbury, in the county of Livingston and State of Illinois, have invented a new and useful Machine for Gathering Grain into Sheaves from the common reaping-machines; 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 drawings making a part of this specification, in which—

Figure 1 is a perspective view of the machine while holding a sheaf to be bound. Fig. 2 represents one pair of the gatherers in their usual position when not holding a sheaf, and Fig. 3 shows the form of a single gatherer.

The reaping-machine to which my gatherer is attached, is constructed with elevators similar to those used on the common thrashing-machine, by means of which the grain is carried from the table of the reaper, on which it falls when cut by the sickles, up the elevator, the upper part of which is shown in the drawing at G G G G, and dropped on the table. The top of the table on which the grain is thrown is of sheet-iron, and in the shape of two troughs, as shown in the drawings, at *a a* and A A. While the trough *a a* is being filled, the gatherers B B B B hang from the axle-tree I I, by which they are turned under the table, in the position as shown in Fig. 2, so that their two concave surfaces correspond to the two troughs in the table. The operator,

standing on the platform F, presses down the pedal E, which is attached to the axle-tree I I by the rope C C, so as to turn it, and thus throws up the gatherers B B B B in the position shown in Fig. 1, which motion transfers the grain from the trough *a a* to the trough A A, and holds it firmly in its position for binding. The sheet-iron pan H, running directly under and at right angles with the troughs in the table, is to be first filled with loose grain to be used for bands.

While the operator is binding the sheaf held in position, as aforesaid, the grain accumulates on the upper side of the gatherers, which is a perfect circle, the pedal is then allowed to rise, and the weight of the gatherers, with the assistance of the springs D D, attached to the axle-tree by a cord, as shown in Fig. 2, drops them back under the table, and the grain drops into the trough *a a*, as at first.

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

1. The combination of the gatherers B B B B with the troughs *a a*, A A, the treadle E, as and for the purpose specified.

2. In combination with the gatherers B B B B and troughs *a a* A A, the trough H and elevator G, when arranged in the manner and for the purpose specified.

JOHN BAKER.

Witnesses:

H. J. STRAIGHT,
J. B. YOUNG.