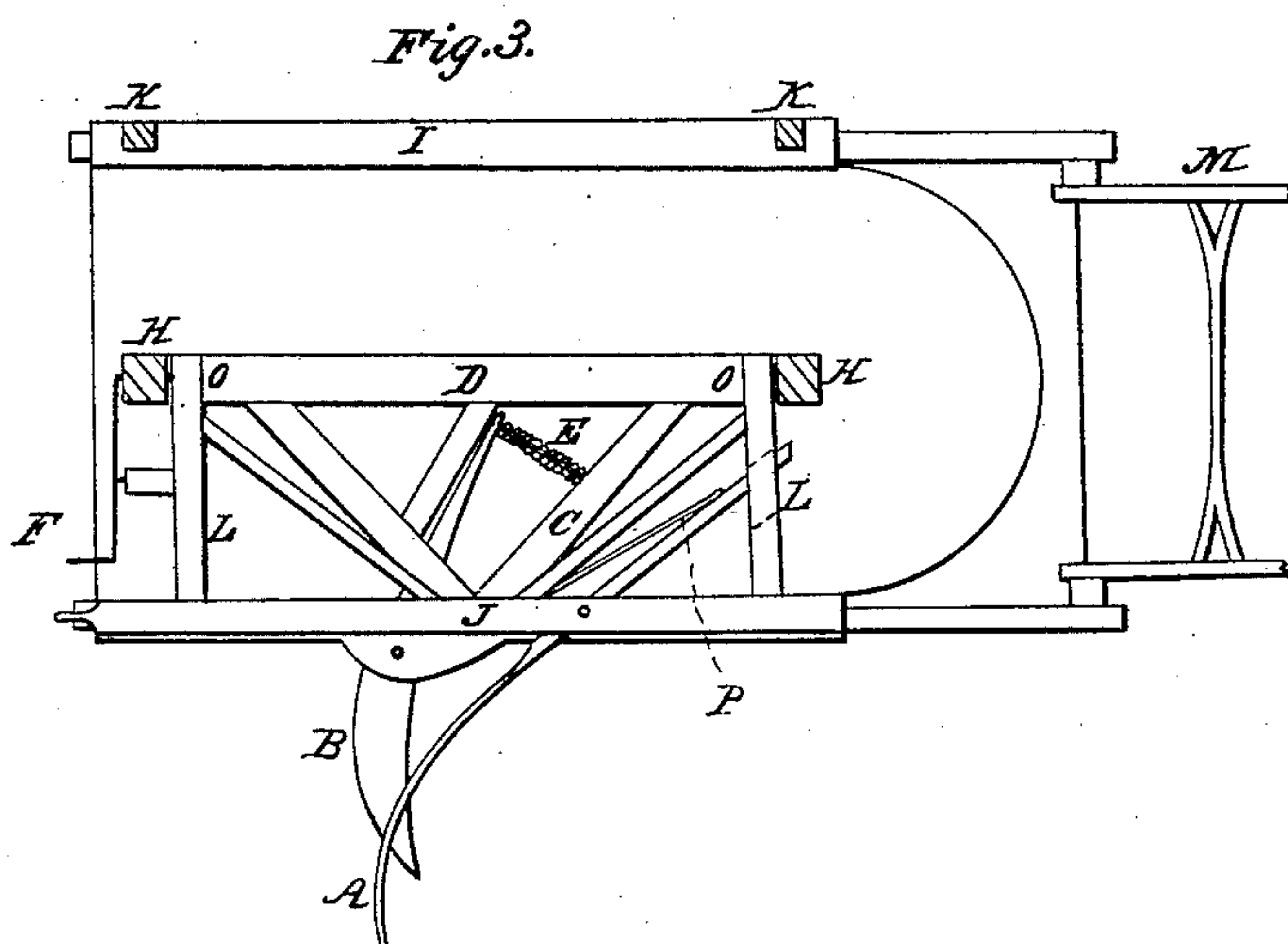
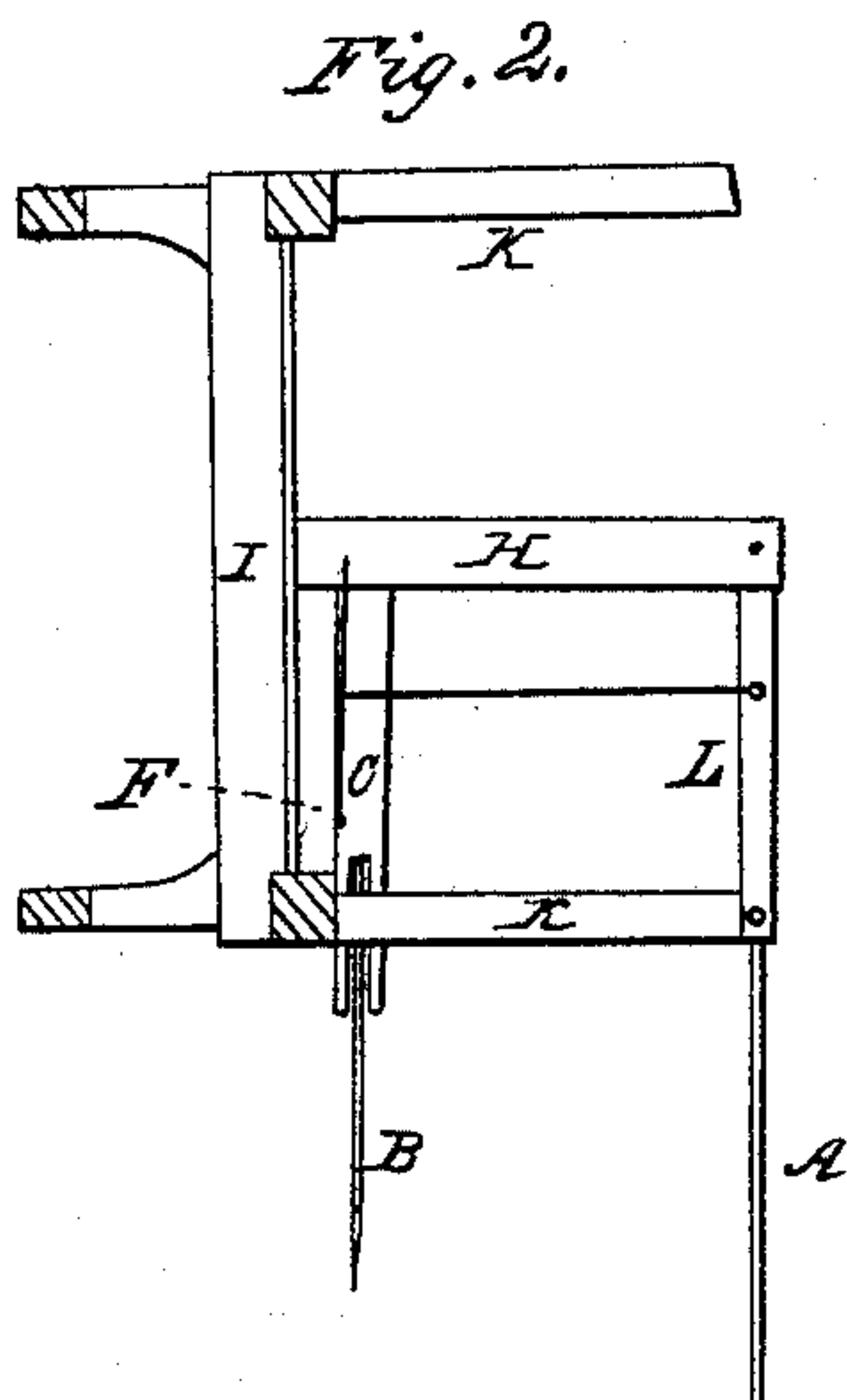
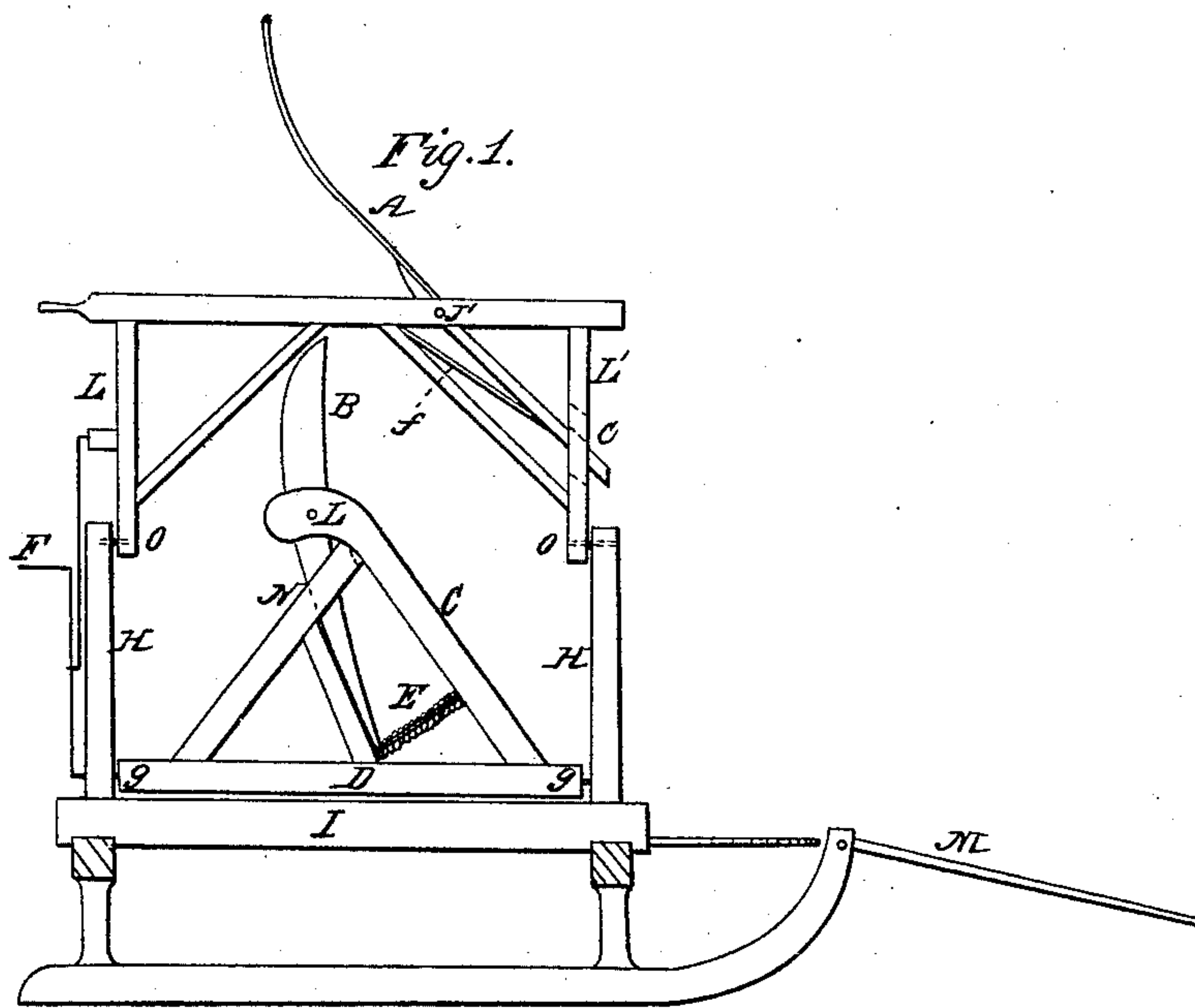


J. W. CORMACK.  
Corn and Sugar-Cane Cutter.

No. 10,178.

Patented Nov. 1, 1853.



# UNITED STATES PATENT OFFICE.

J. W. CORMACK, OF QUINCY, ILLINOIS.

## IMPROVEMENT IN CANE AND MAIZE CUTTERS.

Specification forming part of Letters Patent No. **10,178**, dated November 1, 1853.

*To all whom it may concern:*

Be it known that I, J. W. CORMACK, of the city of Quincy, in the county of Adams and State of Illinois, have invented a new and useful Corn and Sugar-Cane Cutter; and I do hereby declare that the following is a full and exact description thereof, to wit:

To the surface of the body of a sled is attached a knife and an arm by means of a framing. The knife is on a level with the body of the sled and projecting some two or three feet over its side. The arm, by means of the framing, is placed some three feet over the knife and slightly in advance of it, so that when the sled is drawn forward the arm comes first in contact with the corn and bends it forward, and then the knife comes in contact with it, and in addition to its being drawn forward it has a slight side motion by means of a spring, which facilitates the cutting operation. After the knife passes through the corn the arm throws it forward and lays it all in one direction. After one row has been cut to the end, and previous to commencing another, the knife and the arm are revolved to the other side of the sled by means of a crank placed at the back of the sled. (See accompanying drawings.)

Drawing No. 1 shows a side view of the sled, with the knife B and the arm A in the act of being revolved from one side of the sled to

the other. The arm A passes through the framing J and L. It acts upon a pin at J and works in a groove at G. It is kept in its position by means of a spring, (shown at f,) which allows it to yield slightly when pressed in front. The knife B is attached to the framing C by passing through it, and being secured by a pin at L, and also passing through and working in a groove at N. It is kept in by a spring, (shown at E,) which allows it to yield on being pressed in front. The framing to which the arm is attached is made to revolve on pivots placed at O in the uprights H. The framing in which the knife is placed revolves on its axis D, secured to the uprights H, and both it and the arm are acted upon by the crank F. I is the body of the sled, and M the shafts.

Drawing No. 2 shows the cutter (looking from behind) with the arm A and the knife B in a position for working.

Drawing No. 3 shows the cutter (looking from above it) with the arm and the knife in a position for working.

What I claim as my own invention, and not previously known or used, is—

The framing and manner of attaching the knife and arm to the sled.

J. W. CORMACK.

Witnesses:

A. JONAS,

J. R. SMITH.