

S. B. Lawrence.
Corn Shocker
Nº 29,280. Patented Jul 24, 1860.

Fig. 1.

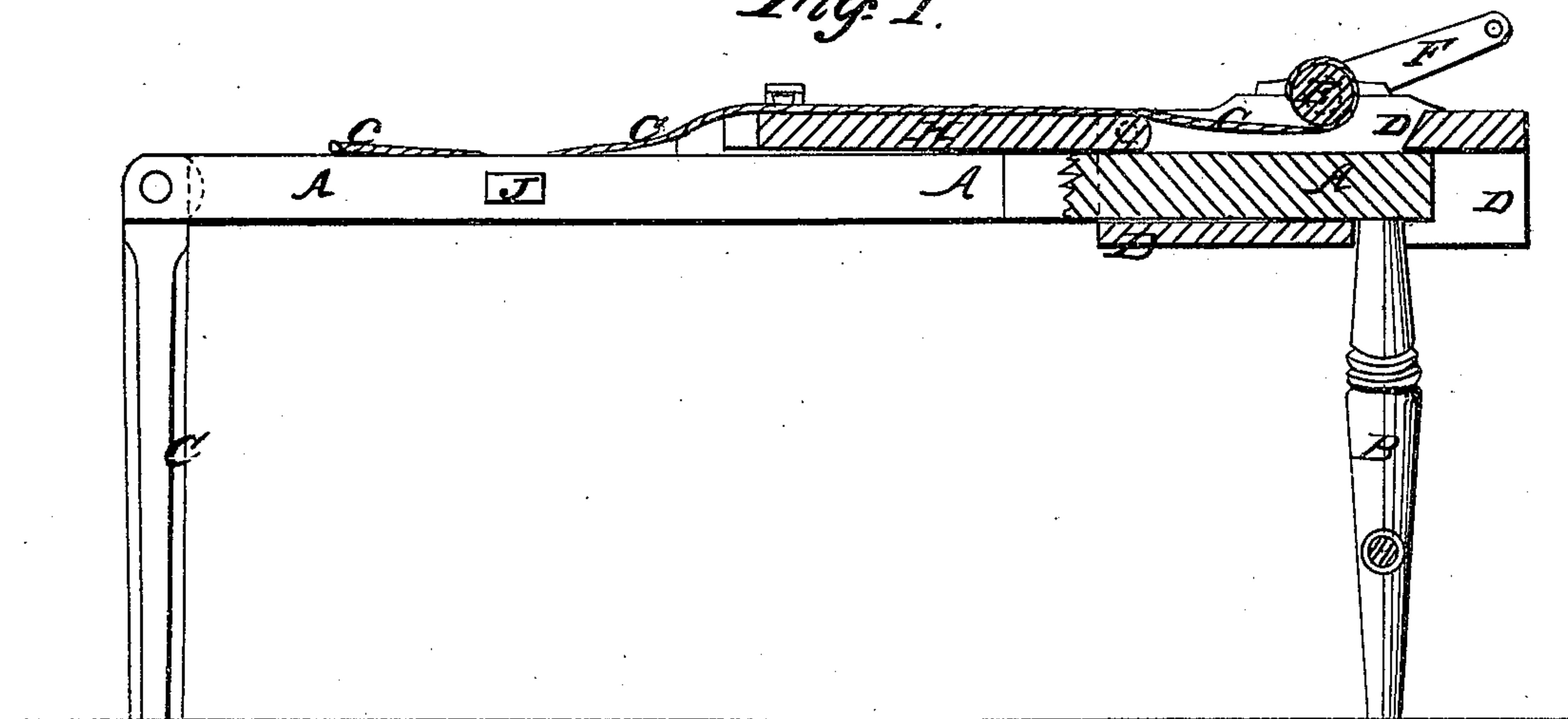
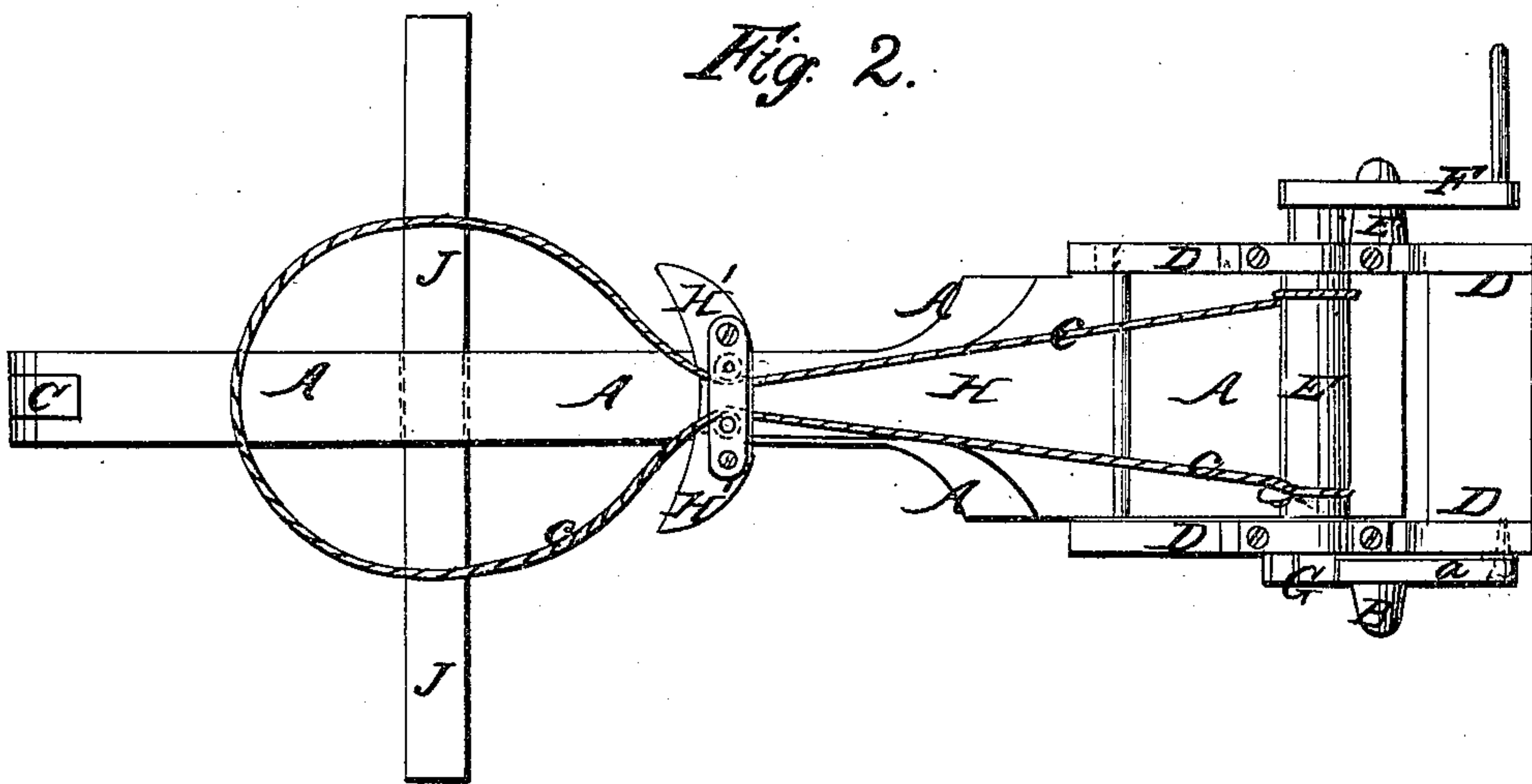


Fig. 2.



Witnesses.
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SAMUEL B. LAWRENCE, OF HOOKSTOWN, PENNSYLVANIA.

IMPROVEMENT IN MACHINES FOR SHOCKING CORNSTALKS.

Specification forming part of Letters Patent No. 29,286, dated July 24, 1860.

To all whom it may concern:

Be it known that I, S. B. LAWRENCE, of Hookstown, in the county of Beaver and State of Pennsylvania, have invented a new and Improved Machine for Shocking Cornstalks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 shows a side elevation of the machine with a section taken through the binding apparatus. Fig. 2 is a plan view of the machine.

Similar letters of reference indicate corresponding parts in both figures.

This invention is a new machine for facilitating the shocking or bundling of corn in the field.

It consists in the employment of a peculiar shaped three-legged bench, one of the legs of which is hinged to the bench-top, a windlass, hinged brace-board, and a movable bar, that is placed transversely through the bench-top, with a suitable rope or cord, the whole being arranged and combined in the manner herein set forth.

To enable those skilled in the art to fully understand my invention, I will proceed to describe its construction and operation.

In the drawings, A represents a piece of timber carved out, as shown in Fig. 2, which is mounted on two stiff legs, B B, at one end, and one leg, C, that is jointed to the opposite small end. All three legs are of the same length.

D is a box that is placed on the large end of the portion A, and capable of freely moving back and forth in a direction with the length of the bench. Transversely across this movable box passes a drum, E, that has its bearings in each side of the box, and which is rotated by a winch, F. The opposite end of this drum or roller E has a ratchet-wheel, G, keyed to it, of which *a* is its pawl. In front of this box is jointed a brace-board, H, the end H' of which is curved, as shown in Fig. 2.

J is a rod of a suitable length that is passed loosely through the bench portion A in front

of the movable box D, which serves to support the stalks of corn in an upright state, as will be hereinafter described.

c is a strong rope of a suitable length, one end of which is secured permanently to the roller E, and the other end is simply attached to the roller E by a pin and loop. The two ends of this rope being attached to the roller, the loop is passed between two small friction-rollers near the end of the jointed brace-arm H.

The entire machine may be made of wood, and it may be made by any ordinary mechanic at a very little expense.

The operation of the machine is now as follows: It is taken into the field and set down between the rows of corn. The bar J is then passed through its mortise in the bench-top and the brace-board H thrown back over the roller E. The cornstalks are then cut and set up in the four corners formed by the bar and portion A until the shock is large enough. The brace-board H is then thrown forward against the shock, and is hitched to the roller E again, passing both times through the pulleys or friction-rollers, as shown in Fig. 2. The rope is now tightened by turning the roller E, and the frame D and brace will move forward against the shock until it is drawn together as tightly as required, then the band is passed around the shock and secured.

The machine is removed from the bound shock of corn by throwing off the pawl from the ratchet-wheel, loosening the rope *c*, drawing out the bar J, and straightening out the leg C in a line with the table-top A, then by drawing the leg and all away from the shock ready for another operation.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination and substantial arrangement of the movable frame D, roller E, brace-arm H, bar J with the bench A, having one jointed leg, C, as set forth, for the purpose specified.

SAML. B. LAWRENCE.

Witnesses:

WILLIAM GEDDES,
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