# S. B. McCorkle,

## Horse-Collar Machine,

No. 13,949. Patented Dec. 18, 1855.

Fig. 1.

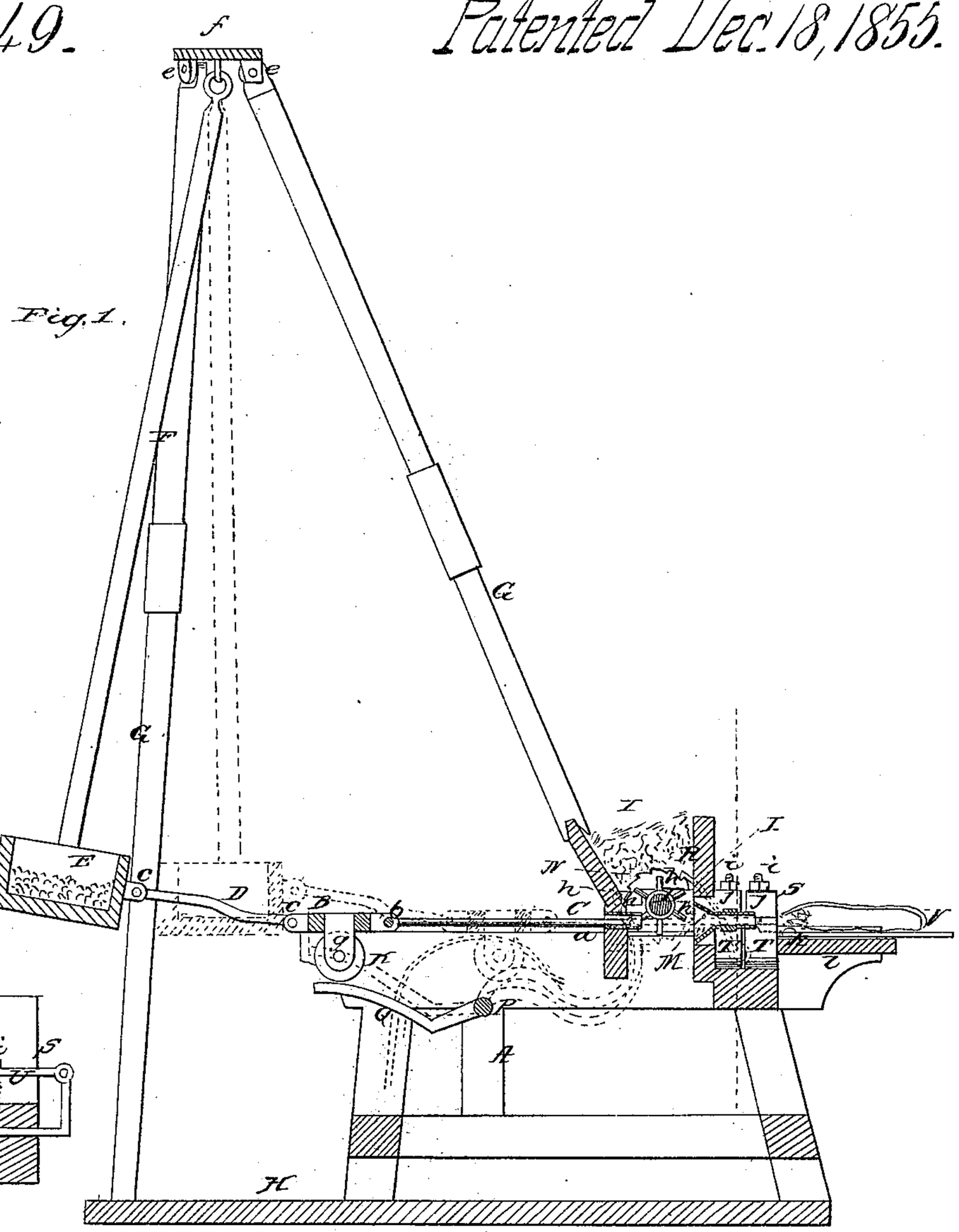



Fig. 3.

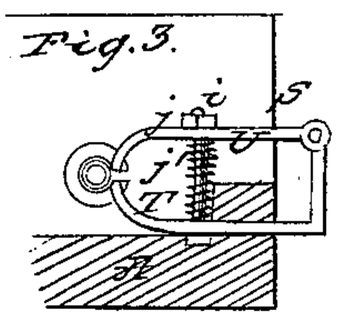
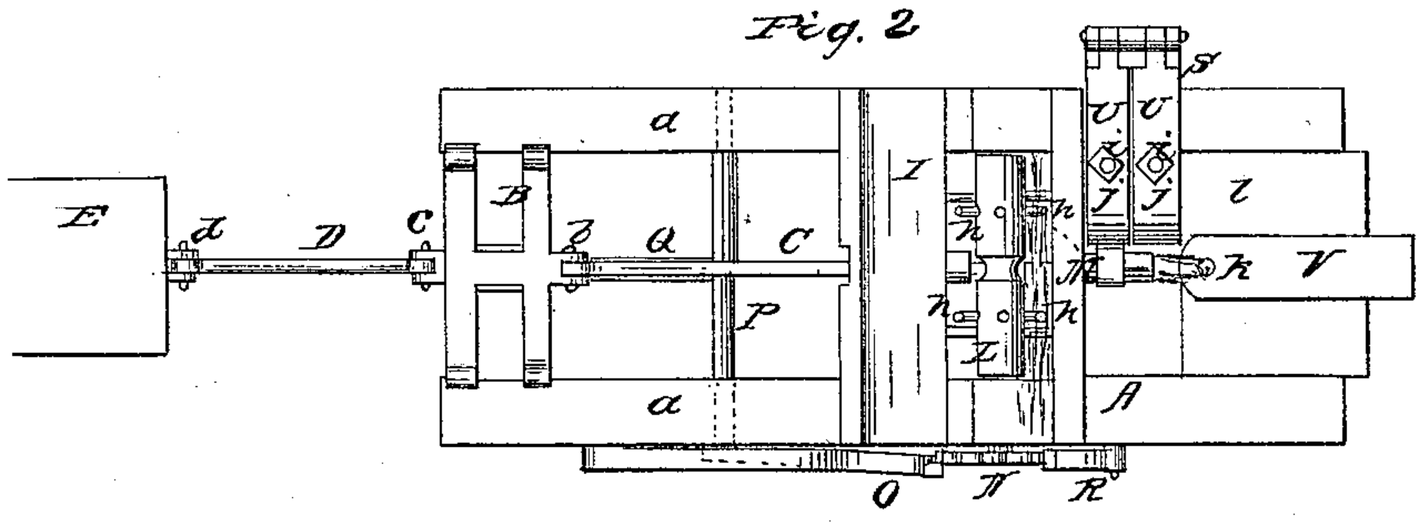



Fig. 2



# UNITED STATES PATENT OFFICE.

S. B. McCORKLE, OF GREENVILLE, TENNESSEE.

## MACHINE FOR STUFFING HORSE-COLLARS.

Specification of Letter's Patent No. 13,949, dated December 18, 1855.

*To all whom it may concern:*

Be it known that I, S. B. McCorkle, of Greenville, in the county of Green and State of Tennessee, have invented a new and Improved Machine for Stuffing Horse-Collars; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a longitudinal vertical section of my improvement, the plane of section being through the center. Fig. 2, is a plan or top view of ditto. Fig. 3, is a detached front view of the clamp.

Similar letters of reference indicate corresponding parts in the several figures.

The nature of my invention consists in the peculiar means employed for feeding the straw to the plunger by which it is forced into the collars.

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

A, represents a framing having guide plates (*a*), (*a*), attached to the upper surfaces of its top side pieces between which guide plates a frame B, is fitted. The frame B, has a rod or plunger C, attached by a pivot (*b*), to one end, and to the opposite end a connecting rod, D, is attached by a pivot (*c*). The outer end of the connecting rod is attached by a joint (*d*) to a box E, which is suspended by a rod, F, from the upper part of a framing formed of three rods, G, the upper ends of which are attached by joints (*e*) to a small circular plate (*f*). The lower ends of two of the rods are stepped in a platform H, on which the framing A stands the other rod is fitted upon one side of a hopper, I, on the upper part of the framing A. The box, E, has handles J, attached to it and a quantity of shot or any suitable substance is placed within the box to give it requisite weight. To the under side of the frame B, there are attached pendent plates (*g*), (*g*), between which a roller K, is placed. Within the hopper I, on the framing A, there is placed a cylinder L, having radial teeth or rods (*h*), attached to its periphery. The front side of the hopper has a funnel shaped tube M, placed in it through which the rod or plunger C, works. To one end of the shaft of the cylinder L, there is placed a ratchet, N, in which an arm, O, attached to the end of a shaft P, works. The shaft, P, is placed transversely in the framing A, and has a lever Q, attached to it which lever is underneath the roller K, of the frame B.

R, is a retaining pawl attached to the side of the framing A, said pawl catching into the ratchet, N.

S, is a clamp attached to the framing A, in front of the hopper, I. The clamp is formed of two under stationary jaws T, T, and two upper movable jaws U, U, which have rods (*i*), passing through them the lower ends of said rods being attached to the lower jaws. The upper ends of the rods (*i*), have nuts (*j*), on them. Spiral springs (*j'*) are placed on the rods (*i*), between the jaws, see Fig. 3.

V, is a movable platform attached by a pivot (*k*), to a cross board (*l*), on the upper part of the framing A, directly in front of the tube, M.

The collar to be stuffed shown in red Fig. 1, is placed upon the platform V, the end of the tube M, being inserted in one end and the collar secured by the clamp S, the collar being stretched out upon the platform. The straw which forms the stuffing is cut in lengths of about 14 inches and is placed lengthwise in the hopper, I, as shown in red Fig. 2. The box E, is then swung or drawn back by the operator who grasps the handles, J, and the roller, K, depresses the outer end of the lever, Q, and the arm O, turns the ratchet N, and cylinder, L, the teeth (*h*), of which carry a portion of straw around and underneath the cylinder where it is caught by the end of the rod or plunger, C, and as said rod or plunger is shoved forward by moving forward the box, E, the straw is forced through the tube, M, and into the collar the straw being doubled in passing through the tube, see red lines Fig. 2.

The above improvement has been practically tested and works rapidly and well effecting a great saving in labor and performing good work.

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

The cylinder L, provided with teeth or rods (*h*), and operated by the roller K, lever Q, arm O, and ratchet N, for the purpose of feeding the straw to the plunger C, substantially as shown and described.

S. B. McCORKLE.

Witnesses:

H. B. Baker,

G. Jones.