J. E. HACKETT.

MACHINE FOR PRESSING HAY, &c., FOR FUEL.

No. 193,159. Patented July 17, 1877.

Fig. 1

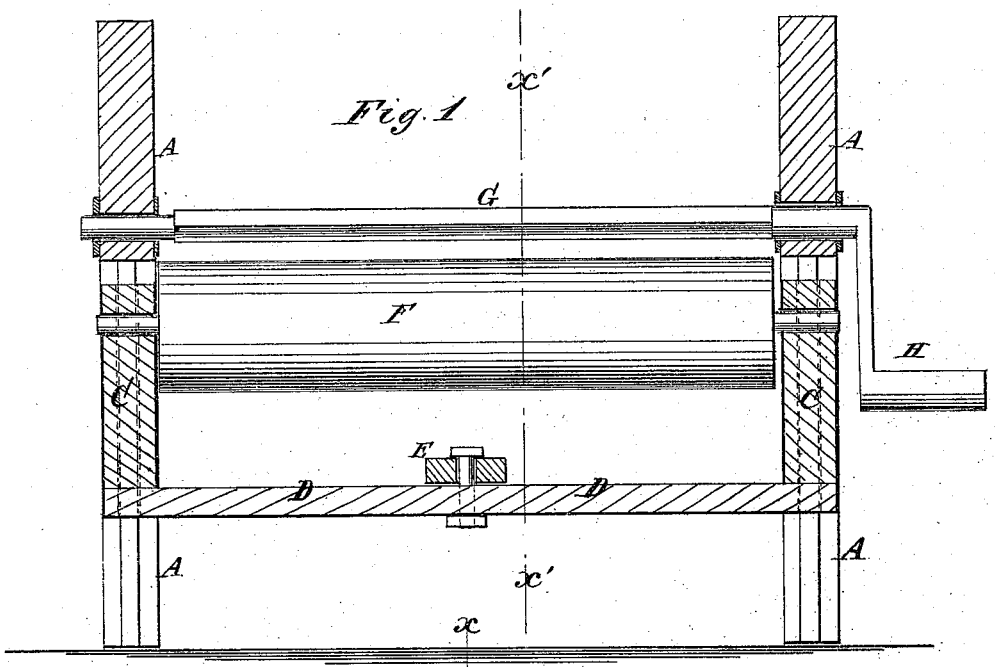
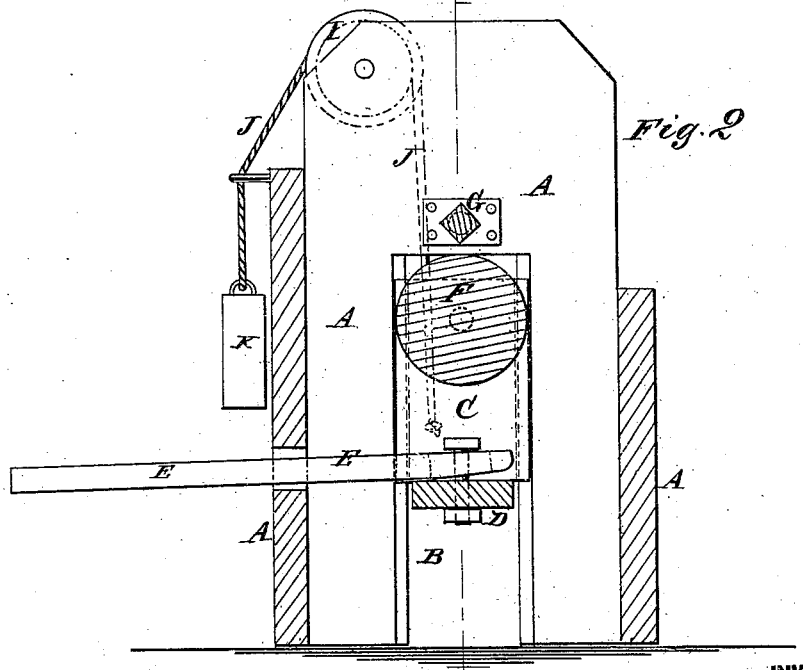


Fig. 2



WITNESSES:

A. W. Almquist

J. H. Scarborough.

INVENTOR:

J. E. Hackett.

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN E. HACKETT, OF CALEDONIA, MINNESOTA.

IMPROVEMENT IN MACHINES FOR PRESSING HAY, &c., FOR FUEL.

Specification forming part of Letters Patent No. **193,159**, dated July 17, 1877; application filed May 28, 1877.

To all whom it may concern:

Be it known that I, JOHN EMERY HACKETT, of Caledonia, in the county of Houston and State of Minnesota, have invented a new and useful Improvement in Machine for Pressing Hay, &c., for Fuel, of which the following is a specification:

Figure 1 is a vertical longitudinal section of my improved machine, taken through the line *x x*, Fig. 2. Fig. 2 is a vertical cross-section of the same, taken through the line *x' x'*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved machine for pressing hay, straw, &c., for fuel, which shall be simple in construction and convenient in use.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A is the frame, box, or case of the machine. G is a square shaft, upon one end of which is formed a crank, H, and the journals of which revolve in bearings in the end boards of the frame A. The shaft G is so formed that it may be drawn longitudinally from its bearings to withdraw it from the roll of hay. F is a large roller placed directly below the shaft G, and its journals revolve in bearings C, placed in slots in the end boards of the frame A, and kept in place by tongues and grooves.

To the bearings C are attached the ends of cords J, which pass up through holes in the end boards of the frame A, over pulleys I, pivoted in the upper ends of the said end boards of the frame A, and have weights K attached to their ends to balance the roller F and hold it up against the shaft G.

To the bearings C are attached the ends of a cross-bar, D, to the center of which is pivoted the end of a lever, E. The lever E passes out through a hole in the side board of the frame A, which thus serves as a fulcrum to said lever.

By this construction, by bearing down upon the outer end of the lever E, the roller F will be raised against the shaft G, so as to compress the hay as it is being rolled upon the shaft G, sufficiently to adapt it to be used for fuel.

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

The lever E, cross-bar D, and weight mechanism J I K, combined and arranged in connection with the bearings C, as and for the purpose specified.

JOHN EMERY HACKETT.

Witnesses:
J. W. COOK,
G. W. CARR.