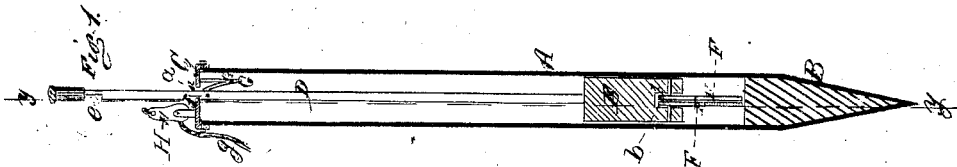
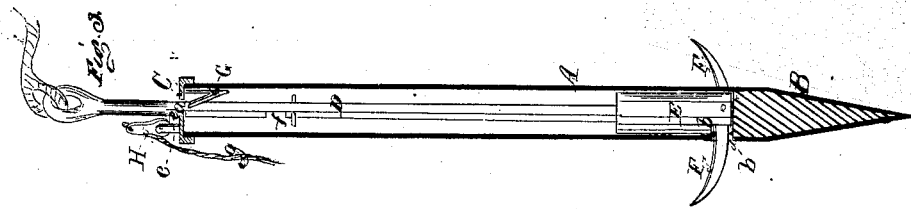
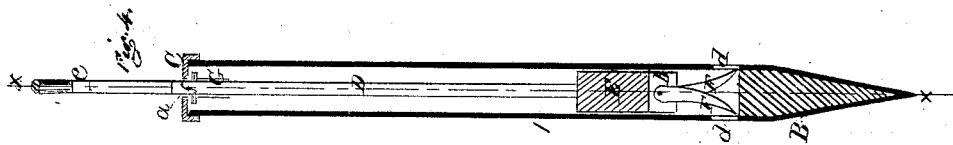


*S. Rogers,  
Hay Fork.*

*No. 46037.*

*Patented Jan. 24. 1865.*



*Witnesses:  
C. L. Popple  
L. L. Popple*

*Inventor:  
Stephen Rogers  
per Wm. C. Allen*

# UNITED STATES PATENT OFFICE.

SEYMOUR ROGERS, OF PITTSBURG, PENNSYLVANIA.

## IMPROVED HAY-ELEVATOR.

Specification forming part of Letters Patent No. 46,027, dated January 24, 1865.

*To all whom it may concern:*

Be it known that I, SEYMOUR ROGERS, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Hay-Elevator; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical central section of my invention, taken in the line *xx*, Fig. 4; Fig. 2, an external view of the lower part of the same; Fig. 3, a vertical central section of the case of the same; Fig. 4, a vertical central section of all the parts, taken in the line *yy*, Fig. 1.

Similar letters of reference indicate like parts.

This invention relates to a new and improved device for elevating hay and depositing it in mows in barns, and also for the forming of stacks, the implement with its load being raised by a horse.

The object of this invention is to obtain a device more simple in construction, and one which may be manipulated with greater facility than the ordinary hay-elevators in present use.

A represents a case of metal, which may be of cylindrical form and pointed at one end, as shown at B, the other end being provided with a cap, C, in which a square hole, *a*, is made to allow a rod, D, to pass through.

The rod D has a cylindrical head, E, attached to its lower end, and in the bottom of this head there is made a slot, *b*, in which two arms, F E, are secured by a pivot, *c*, the arms being allowed to work freely on said pivot. These arms F F are of slightly-curved form, and terminate in points, and when the rod D is pressed downward they are forced outward through holes *d d* in the case A, as shown clearly in Fig. 3. The arms F F are retained in this outward position in consequence of a notch, *e*, in the rod D, being pressed over the edge of the hole *a* in the cap C by a spring, G. (Shown clearly in Fig. 3.)

When the arms F F are drawn within the

case A, they are retained in that position by a notch, *f*, in the rod D, above notch *e*, pressed over the edge of hole *a* by the spring G, as shown in Fig. 1. On the top of the cap C there is an eccentric, H, which is directly opposite the side of the rod D in which the notches *e f* are made. The hoisting-rope I is attached to the upper end of the rod D, and a cord, *g*, is attached to the eccentric H.

The operation is as follows: The arms F F are drawn within the case A and held in that position by the notch *f*. The case A is then shoved a suitable distance into the hay—point foremost—and the cord *g* of the eccentric H is pulled, the latter forcing back the rod D, so that the notch *f* will be free from the edge of the hole *a*. The rod D is then pressed downward, independent of the case A, and the arms F F are thereby forced outward through the holes *d d*, and the notch *e*, coming opposite the edge of the hole *a*, the former is pressed over the edge of the latter by the spring G. The device is then elevated by means of the horse in the same way as other implements for a like purpose, the arms F F retaining the load, and when the latter is brought over the desired spot the operator pulls the cord *g*, so as to cause the eccentric H to throw the notch *e* free from the edge of hole *a*, and the weight of the hay on the arms F instantly forces the latter back into case A, the hay falling from the arms and the rod D being locked by the notch *f* catching over the edge of the hole *a*, so that the device will be ready for a succeeding operation.

I claim as new and desire to secure by Letters Patent—

1. As an improvement in hay-elevators, the rod D, provided with the jointed arms F F, in connection with the pointed case A, all arranged to operate in the manner substantially as and for the purpose set forth.

2. The notches *e f* in the rod D, in connection with the spring G, and the hole *a* in the cap C, and the eccentric H, all arranged substantially as and for the purpose specified.

SEYMOUR ROGERS.

Witnesses:

JAMES M. TAYLOR,

A. W. WALL.