

C. H. Knapp,

Fulley Block.

No. 98,275.

Patented Dec. 28, 1869.

Fig. 1

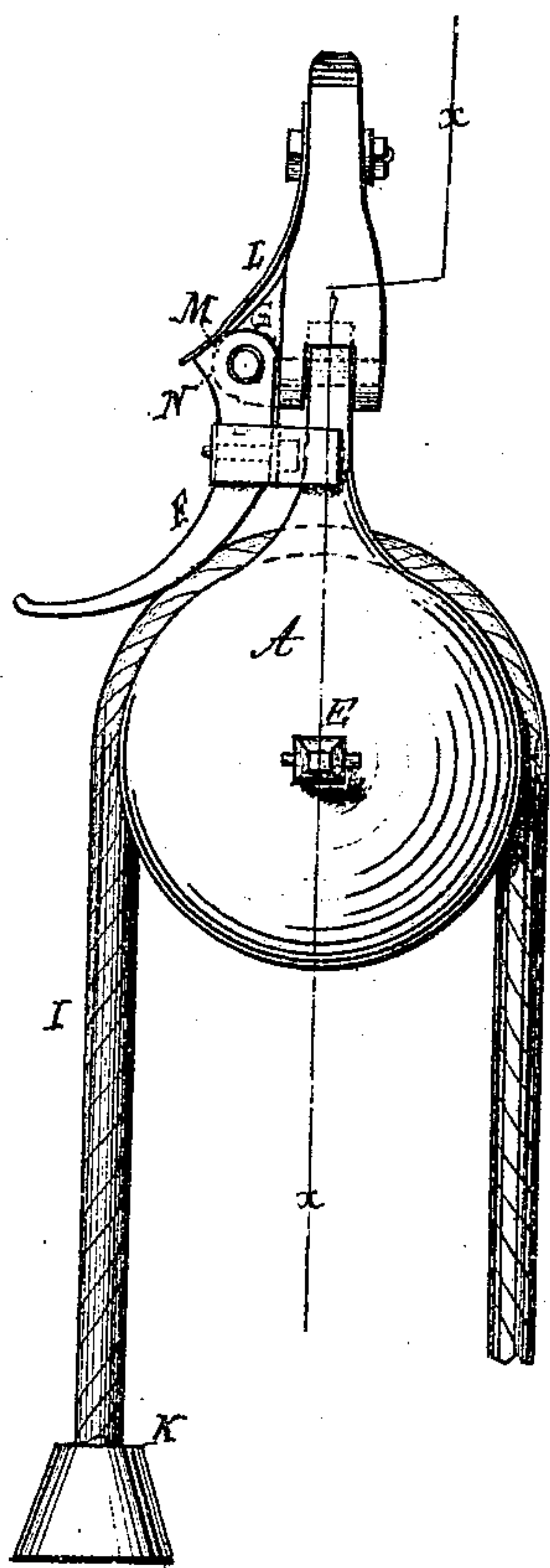
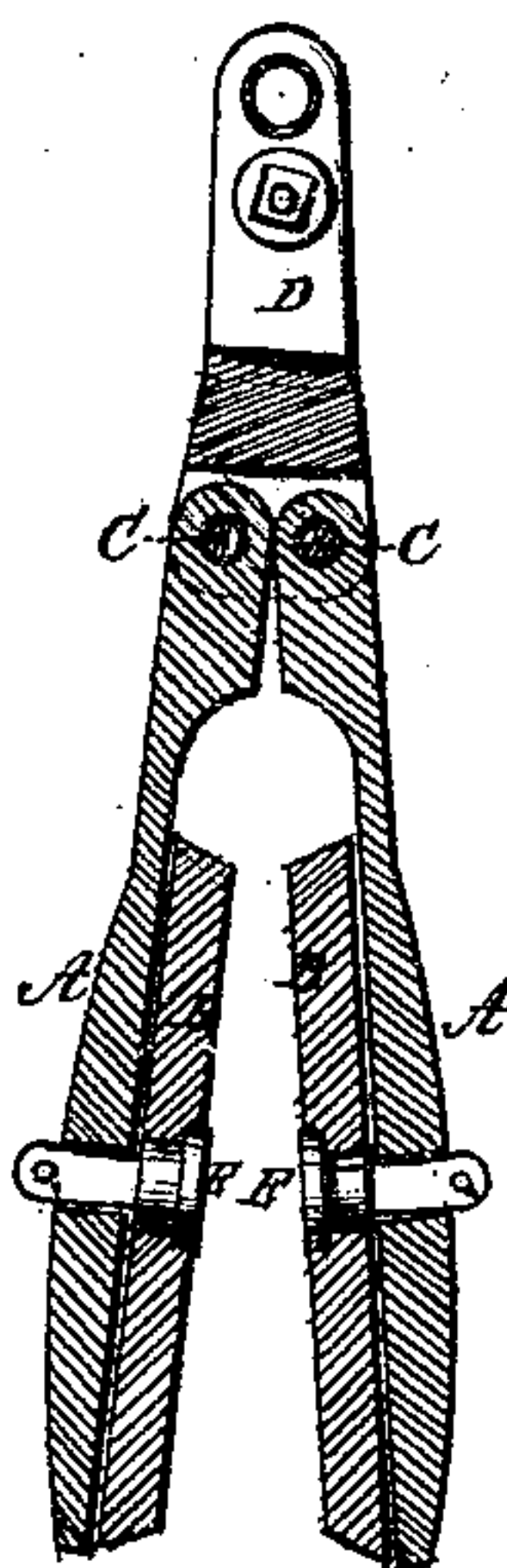


Fig. 2



Witnesses:

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C. H. KNAPP, OF LAWRENCEVILLE, PENNSYLVANIA.

Letters Patent No. 98,275, dated December 28, 1869.

IMPROVEMENT IN PULLEY-BLOCKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, C. H. KNAPP, of Lawrenceville, in the county of Tioga, and State of Pennsylvania, have invented a new and useful Improvement in Pulley-Blocks; 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.

This invention relates to improvements in pulley-blocks; and consists in an improved construction of divided blocks, for being automatically opened by blocks on the rope for discharging the same, when the weight is raised to the required height for allowing the latter to fall in a lateral direction, as in elevating hay and delivering over the mow or on the top of the stack.

Figure 1 represents a side elevation of my improved block, and

Figure 2 is a section of the same, taken on the line *x x* of fig. 1.

Similar letters of reference indicate corresponding parts.

The block is made in two parts A, divided centrally in the plane of the centre of the pulley, which is also made in two parts, B, and similarly divided.

The said parts A of the block are jointed, at C, to a suspending-stock, D, and the two parts of the pulley are journaled on the stud-pins E, projecting from the inner faces of the two parts of the block.

F is a tripping-clamp, journaled in brackets G, projecting from the side of the stock above the periphery of the block and pulley.

This clamp has two arms H, which, when it hangs down in the lowermost position, take the two parts of the block between them and hold them firmly together, so that the rope will work over them properly to raise the weight.

The lower end of this clamp rests so near the rope I that a block, K, thereon, being drawn upon the wheel, will raise the clamp and disconnect the arms H from the block, and allow the latter, together with the pulley, to open and discharge the rope.

L is a spring, attached to the stock D above the end of the clamp, and arranged to bear on the inclined face M, when the clamp is down, and hold it in position for holding the two parts of the block together; and when the clamp is up, it bears on the face N thereof, and holds it up.

The arms H may be made a part of the lever F, by casting together with it, and the pins E may be either detachably connected to the block, or they may be cast together with the respective parts thereof.

Having thus described my invention,

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

1. The combination of the divided block A, divided pulley B, stock D, and tripping-clamp F H, all substantially as specified.

2. The arrangement, with the divided block A, of the tripping-clamp F H and spring L, substantially as specified.

C. H. KNAPP.

Witnesses:

W. H. MERCHANT,
JOEL ADAMS.