

(No Model.)

P. R. HOUPE.

SHINGLE MACHINE.

No. 276,412.

Patented Apr. 24, 1883.

Fig. 1.

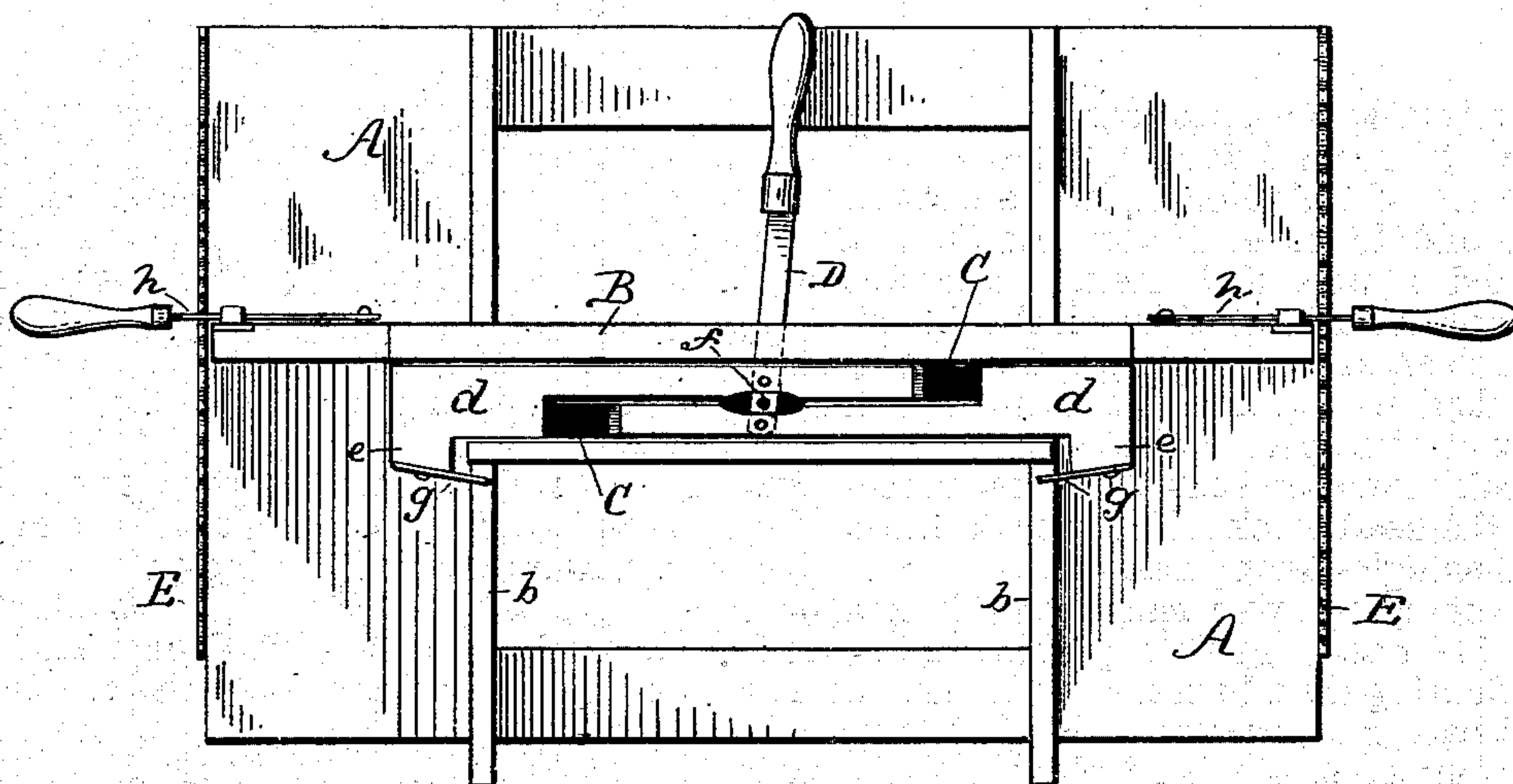


Fig. 2.

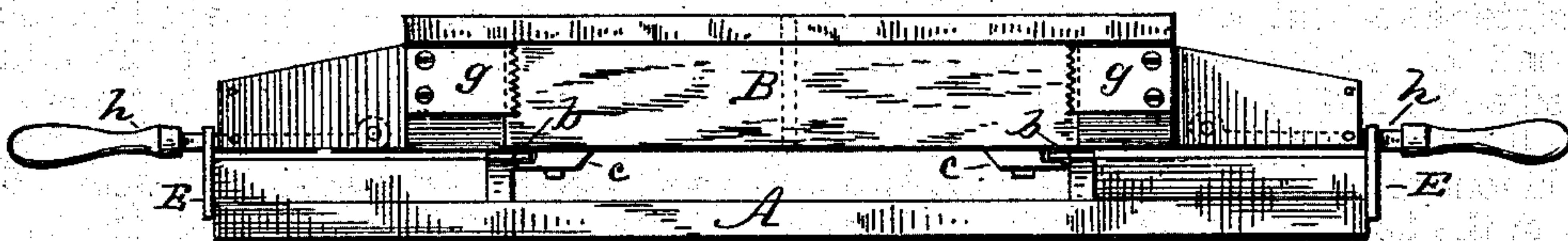
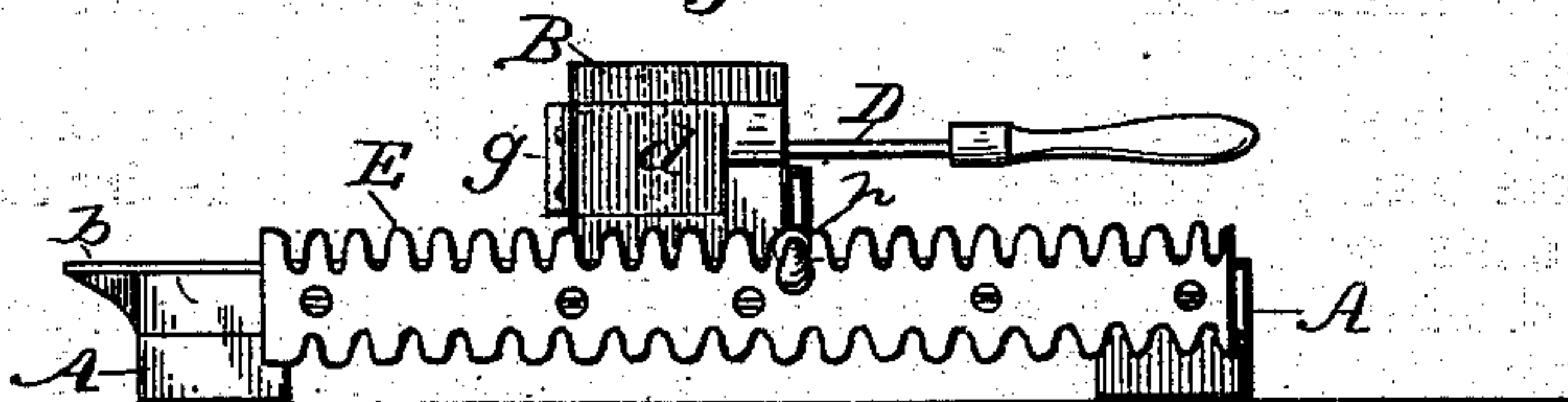


Fig. 3.



WITNESSES:

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PLEASANT R. HOUBE, OF OAK FOREST, NORTH CAROLINA.

SHINGLE-MACHINE.

SPECIFICATION forming part of Letters Patent No. 276,412, dated April 24, 1883.

Application filed August 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, PLEASANT ROCKWELL HOUBE, of Oak Forest, in the county of Iredell and State of North Carolina, have invented a new and useful Improvement in Shingle-Machines, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, forming part of this specification.

This invention consists of means for adjusting the head-block or feed-bar on the carriage of a shingle-sawing machine.

In shingle-sawing machines it is common to provide a carriage with parallel rack-bars for graduating the adjustments of a head-block or feed-bar; but heretofore the means provided for connecting the head-block with the rack-bars have been adapted for that purpose only, while the head-block required additional means of adjustment, such as a second pair of rack-bars connected thereto, and a series of connected levers, requiring means, also, for their adjustment.

Now, the object of my invention is to provide means for connecting the head-block with the rack-bars, which shall be adapted, also, to regulate the adjustments of the head-block, to the end that as few and as simple mechanical expedients shall be required as possible.

In the drawings, Figure 1 is a plan view of my invention, showing the internal construction of the head-block. Fig. 2 is a side elevation, and Fig. 3 is an end elevation, of my invention, showing the connection between the carriage and the head-block.

The carriage A, which is to be supported upon rollers to adapt it to be moved with ease along a suitable track, is provided with cleats *b b* near its ends, with which corresponding cleats, *c c*, on the head-block B are adapted to engage to form a laterally-sliding connection between said parts. The head-block B is in the usual manner made with an internal chamber, C, open at the ends, in which are placed two oppositely-arranged bars, *d d*, having shoulders *e*, which project without the ends of said chamber, and pivoted to a common lever, D, at points on opposite sides of the pivot *f* of said lever. The shoulders *e* are provided with dogs *g*, consisting of serrated plates secured thereto in such manner that

they shall project inward toward each other to adapt them to enter the ends of the bolt which is to be sawed into shingles, and the lever D projects through a slot in the rear side of the head-block, in order that it may be oscillated to operate the dogs. A single movement of the said lever will move both dogs simultaneously, either toward or from each other.

At each end of the carriage A is provided a rack-bar, E, arranged parallel with the cleats *b b*, and latches *h h*, which are pivoted to the head-block, near its ends, are adapted to engage with the rack-bars to hold the head-block in a given position; and they are also adapted to serve as levers in moving the ends of the head-block alternately forward in the adjustment of the bolt to the saw.

The device is operated in the following manner: A bolt to be sawed is laid upon the carriage in contact with the head-block, and is secured to the head-block by means of the lever-operated dogs. The head-block is then adjusted in proper position to enable the saw to take off a portion of the bolt sufficient for a shingle. Previous to each operation of cutting a shingle one end of the head-block is adjusted, by means of one of the latches *h*, toward the saw to give the necessary obliquity to the bolt to secure the usual wedge-shaped shingle, and the ends of the head-block are adjusted alternately, so that the butt of the shingles shall be formed first at one end and then at the other of the bolt, to reduce the latter uniformly in the operation of sawing it into shingles.

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

The combination of the carriage having a rack-bar at each end, and the head-block adapted to slide laterally in engagement with the carriage, and having latches or levers pivoted thereto at points between the rack-bars, and extended across and engaging with the rack-bars, respectively, substantially as shown and described.

PLEASANT ROCKWELL HOUBE.

Witnesses:

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