

[81.] *E. Wilkinson. Rag Cutting Engine.*
 No. 118,767.

Patented Sep. 5. 1871.

Fig. 1.

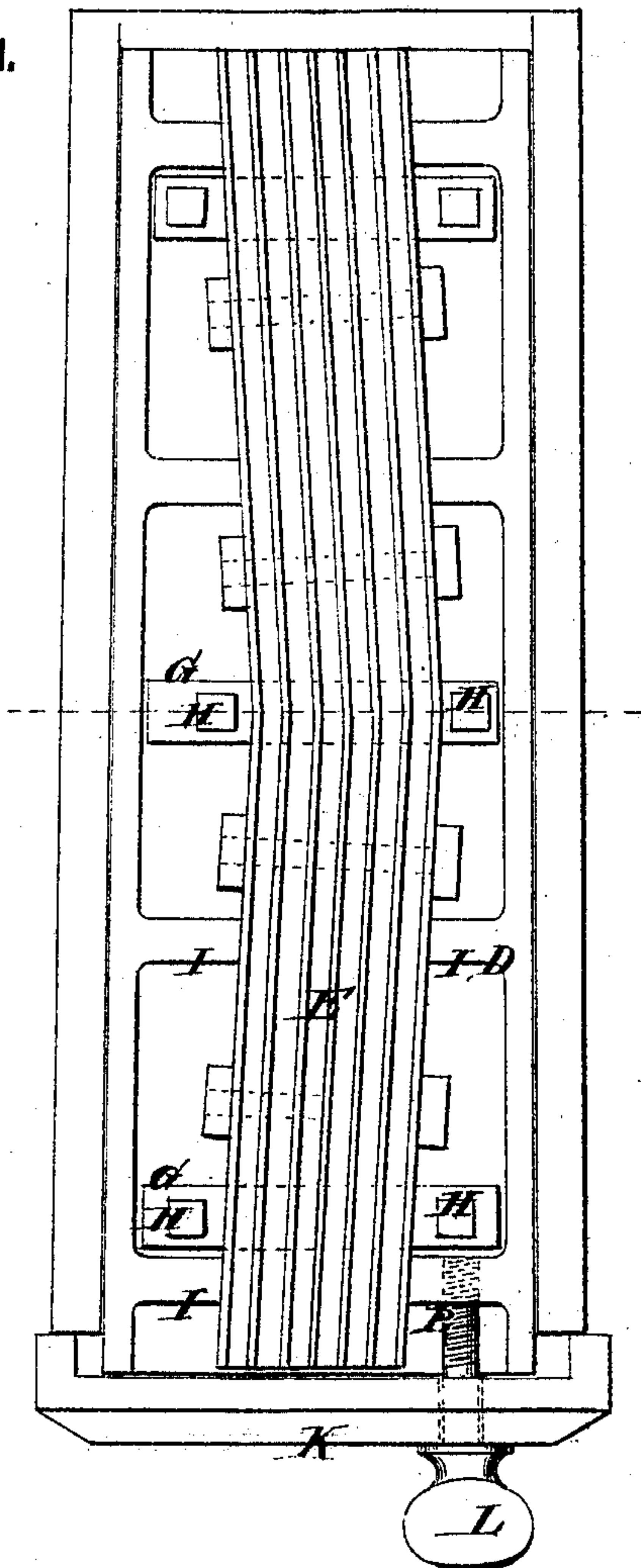
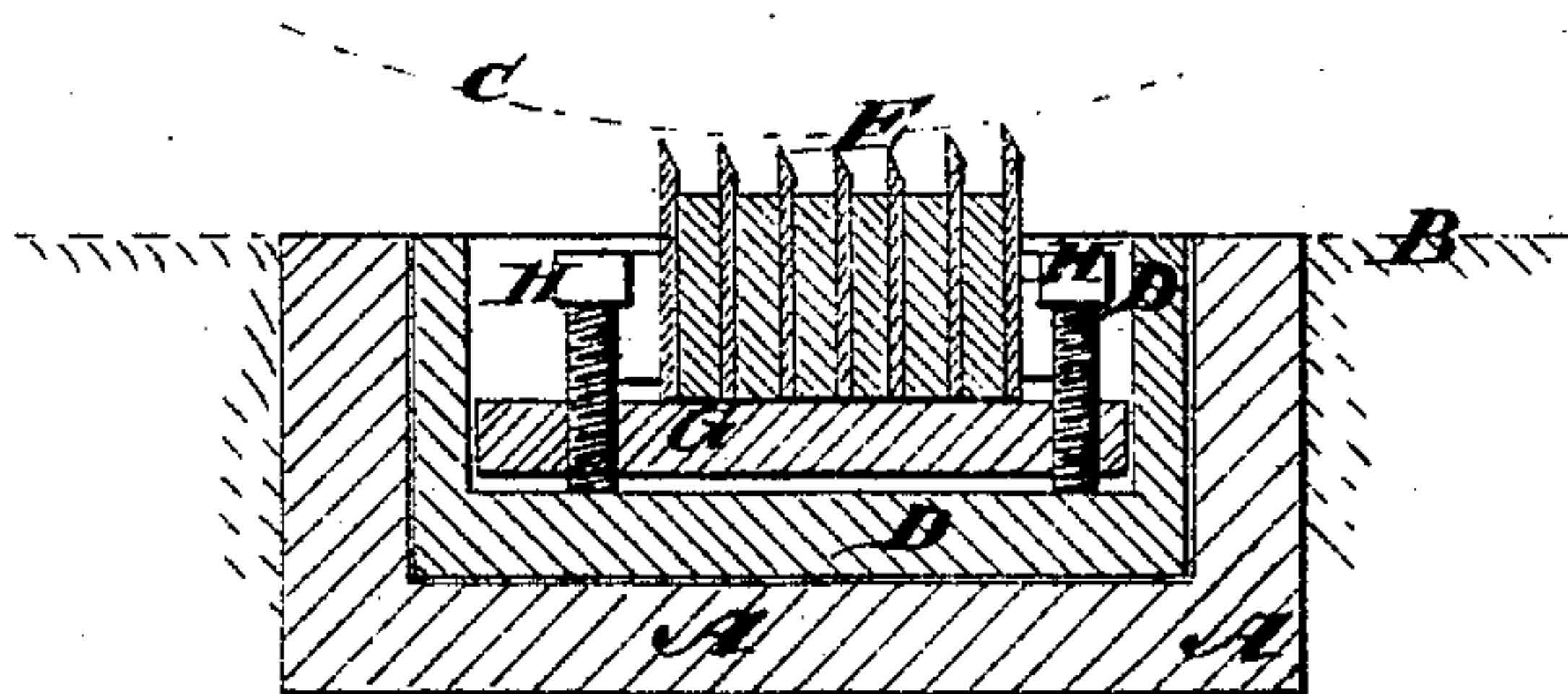


Fig. 2.



Witnesses:

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IMPROVEMENT IN RAG-CUTTING ENGINES.

Specification forming part of Letters Patent No. 118,767, dated September 5, 1871.

To all whom it may concern:

Be it known that I, EDWARD WILKINSON, of Paterson, in the county of Passaic and State of New Jersey, have invented a new and Improved Rag-Cutting Engine; 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 drawing forming part of this specification.

This invention relates to improvements in rag-cutting engines; and it consists in apparatus for holding the bed-cutters and adjusting them up to the cylinder, as hereinafter described.

Figure 1 is a plan view of my improved apparatus, and Fig. 2 is a transverse section on the line *y y* of Fig. 1.

Similar letters of reference indicate corresponding parts.

I propose to have a metal box, A, fitted in the bed-frame B of the machine immediately under the cylinder, which is indicated by the dotted line *c*, for holding the case D in which the cutters E are confined, the sides of said box being slightly wider apart at one end and bottom than at the other end and top, so that the case D, which is correspondingly fitted, will wedge in tight when shoved in snugly from one end. The cutters are fitted to bars G placed in the bottom of case D transversely and having temper-screws H screwing through them down upon the bottom of the

case to raise or lower them. The cutters are also confined between the cross-bars I, which hold them to the work while being adjusted up or down. This arrangement admits of applying a set of cutters and removing them in the most ready manner, so that but little time need be lost, as in the case with the rude apparatus heretofore used, which requires many hours of laborious work to shift and adjust the cutters. I propose to employ two or more cases, D, and sets of knives, so that when one set gets dull and is taken out another can be readily put in. If the case D be difficult to start when wedged in, a bar, K, and screw L may be employed for the purpose, the screw passing through the said bar, which is placed against the end of box A and screwing into case D.

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

1. The tapering box A, fitted into the bed B under the cylinder, and the tapered case D containing the cutters fitted into it, substantially as specified.

2. The cutters E, bars G, and adjusting-screws H, arranged with each other and the case D, for adjusting the said cutters, all substantially as specified.

EDWARD WILKINSON.

Witnesses:

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