

D. W. Jameson,
Sharpening Mowing-Machine Knives.
N^o 84,191. Patented Nov. 17, 1868.

Fig. 1.

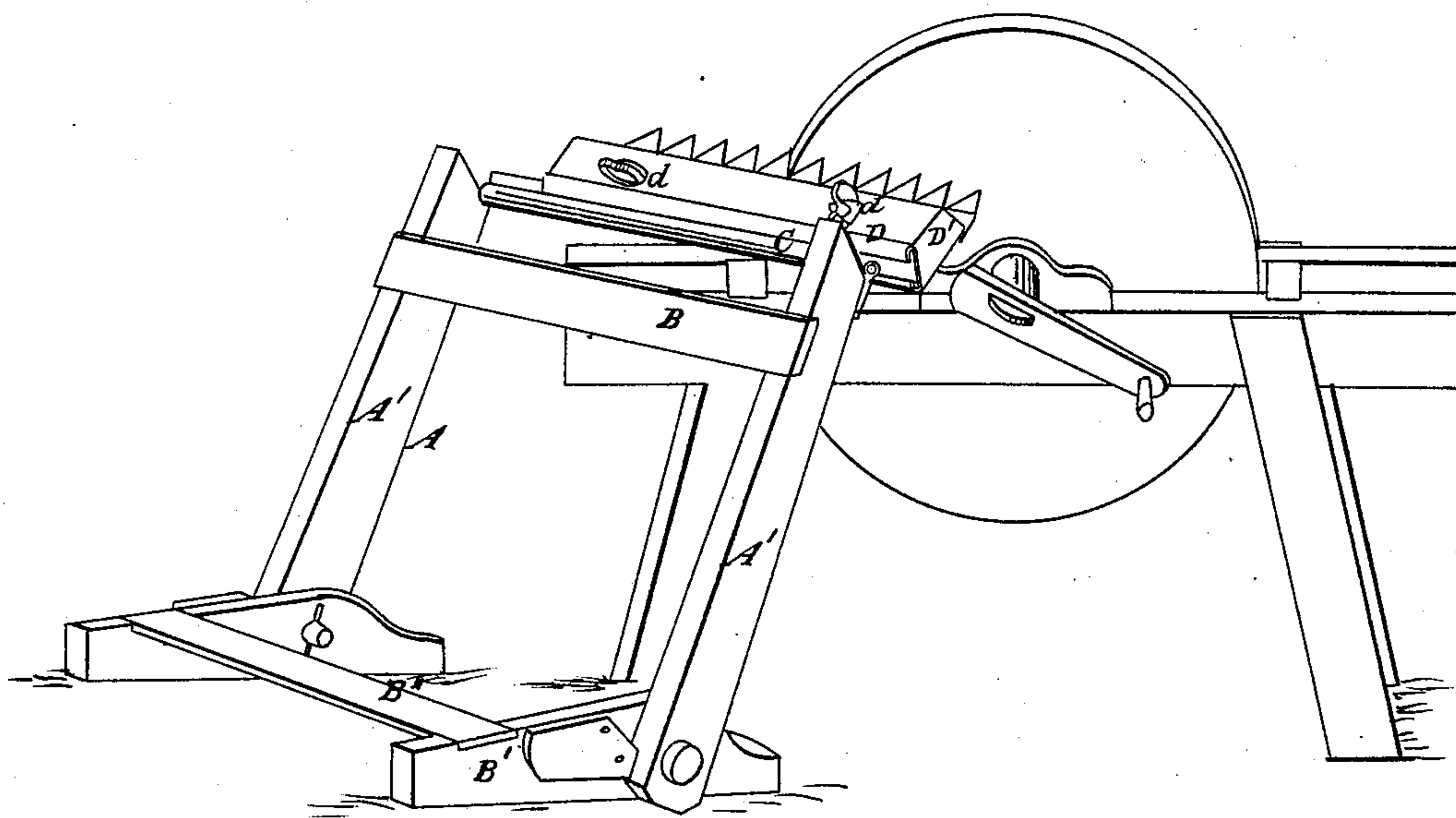
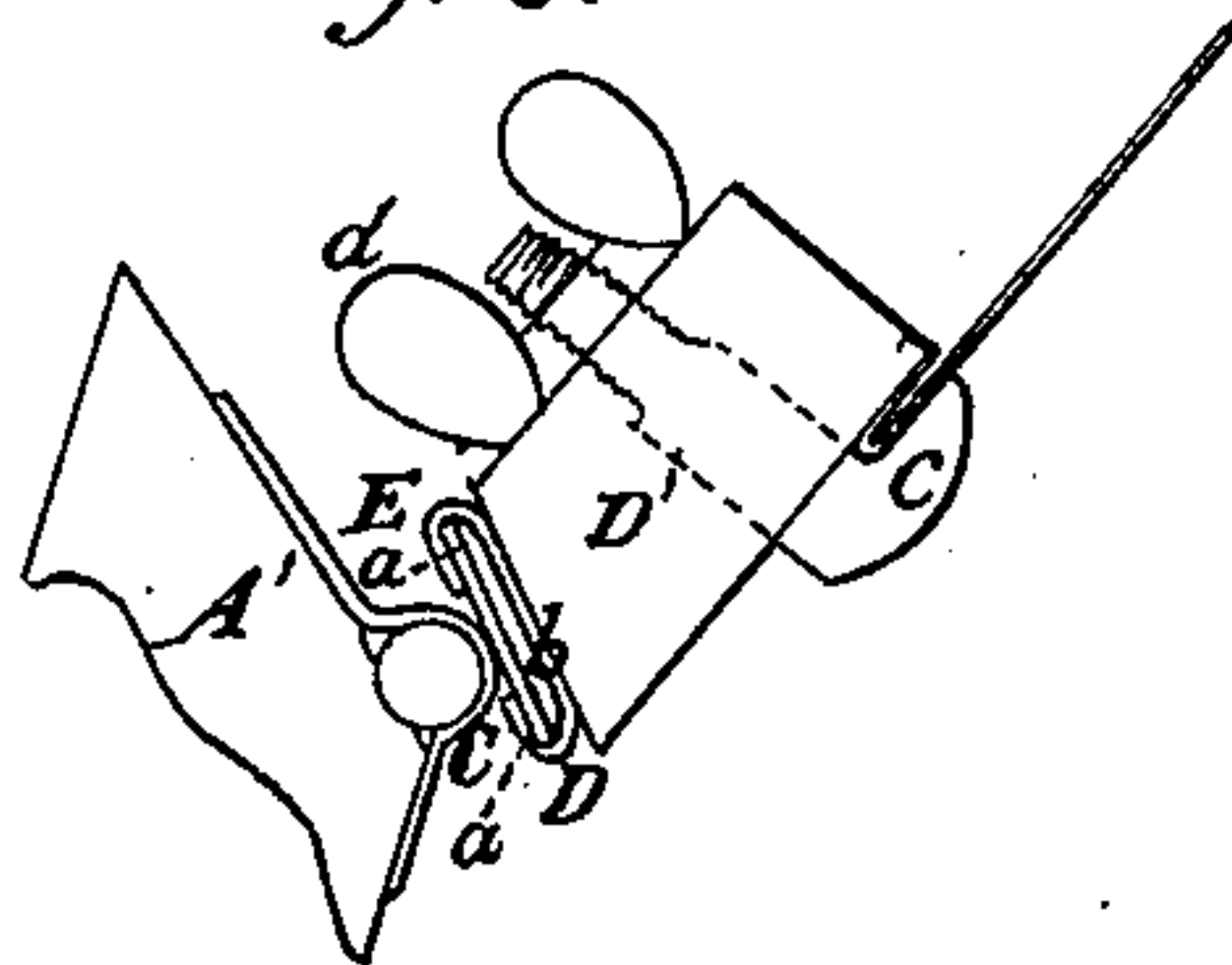


Fig. 2.



Witnesses,
Geo. H. Tibbitts,
J. Holmes,

Inventor,
D. W. Jameson.



D. W. JAMESON, OF WARREN, OHIO.

Letters Patent No. 84,191, dated November 17, 1868.

**IMPROVEMENT IN MACHINE FOR HOLDING THE CUTTERS OF MOWING-MACHINES
WHILE BEING GROUND.**

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, D. W. JAMESON, of Warren, county of Trumbull, in the State of Ohio, have invented a new and improved Machine for Grinding Harvester-Knives; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 is a perspective view.

Figure 2 is a detached section of the knife-holder.

Like letters of reference refer to like parts.

The nature of this invention relates to the construction of a machine for holding harvester-machine knives while being ground or sharpened on a grindstone, the same being constructed and arranged as hereinafter described.

This holder consists, as shown in the drawing, of the frame A, which is composed of two uprights, A', connected by the bar B, the lower ends being pivoted to the foot-pieces or base B', these being also connected by a cross-bar, B'', as shown.

Secured to the top of the uprights, and extending from one to the other, is the flanged rod C, the edges, *a a*, of which project and fit into the groove *b*. This groove is formed of a strip of metal, the edges of which are bent over, forming, as shown, a dovetail groove.

This strip or grooved bar D is secured to one edge of the bar D'. Thus, by this means, the bar D' is allowed to be carried to the right or left on the rod C, forming thereby a sliding joint, E.

To this bar D' is attached the knife to be sharpened, the said bar being provided with clutches, *c c*, for securing said knife to the same. The clutches are provided with thumb-screws, *d*, by means of which the clutches are tightened, to secure the knife firmly in position.

Fig. 2 is an end view of the bar D', showing the connection between the rod and bar C D, and the position of the knife.

The knife to be sharpened is placed in the clutches on the bar D', the holder being placed so as to occupy the same position with the grindstone as that shown in fig. 1, the operator holding the frame steady by simply placing his foot on the bar B''. The knife can be easily sharpened, as it can be moved back and forth by means of the groove and bar, above referred to, until the blades are all sharpened, the uprights A' being pivoted, thus allowing the knife to be removed from the stone at any time. The knife, while being sharpened, being held steady and firmly to the bar, and yet allowed to be moved to the right or left, as may be required, by means of the bar D and rod C, which forms the sliding joint E, above described.

When one side of the blades is sharpened, the opposite side is done by reversing the position of the machine from that shown in the drawing.

The construction and arrangement of this machine are independent of the grindstone; thus any common or ordinary stone may be used, the machine being adjusted to the size and position of the said stone.

What I claim as my improvement, and desire to secure by Letters Patent, is—

1. The flanged rod C, grooved bar D, forming the sliding joint E, as described.

2. The flanged rod C, grooved bar D, in combination with the bar D', uprights A', cross-bars B B'', and foot-pieces B', all constructed and arranged to operate as and for the purpose described.

D. W. JAMESON.

Witnesses:

GEO. W. TIBBITTS,
J. HOLMES.