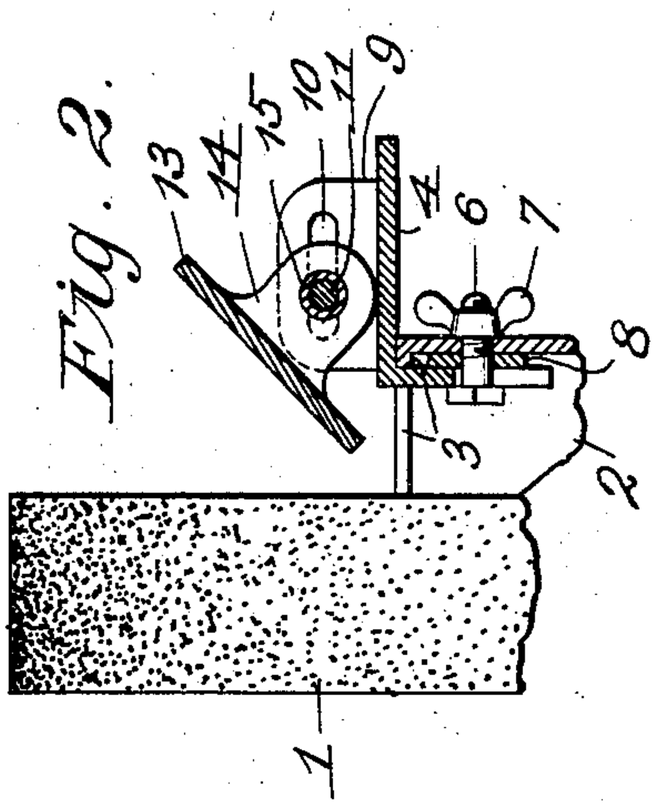
No. 894,338. PATENTED JULY 28, 1908.

A. M. McLERAN.

ADJUSTABLE TOOL REST.

APPLICATION FILED AUG. 15, 1907.

Fig. 2.



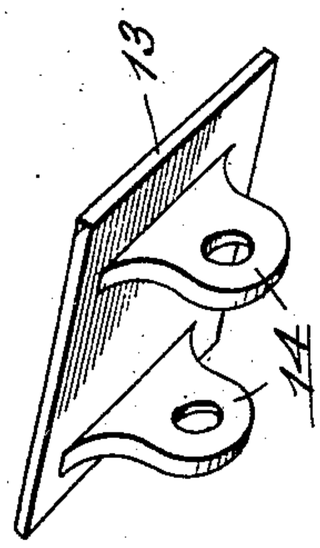


Fig. 3.

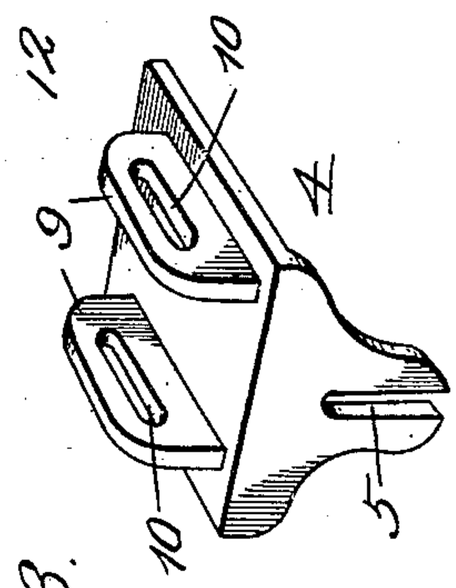
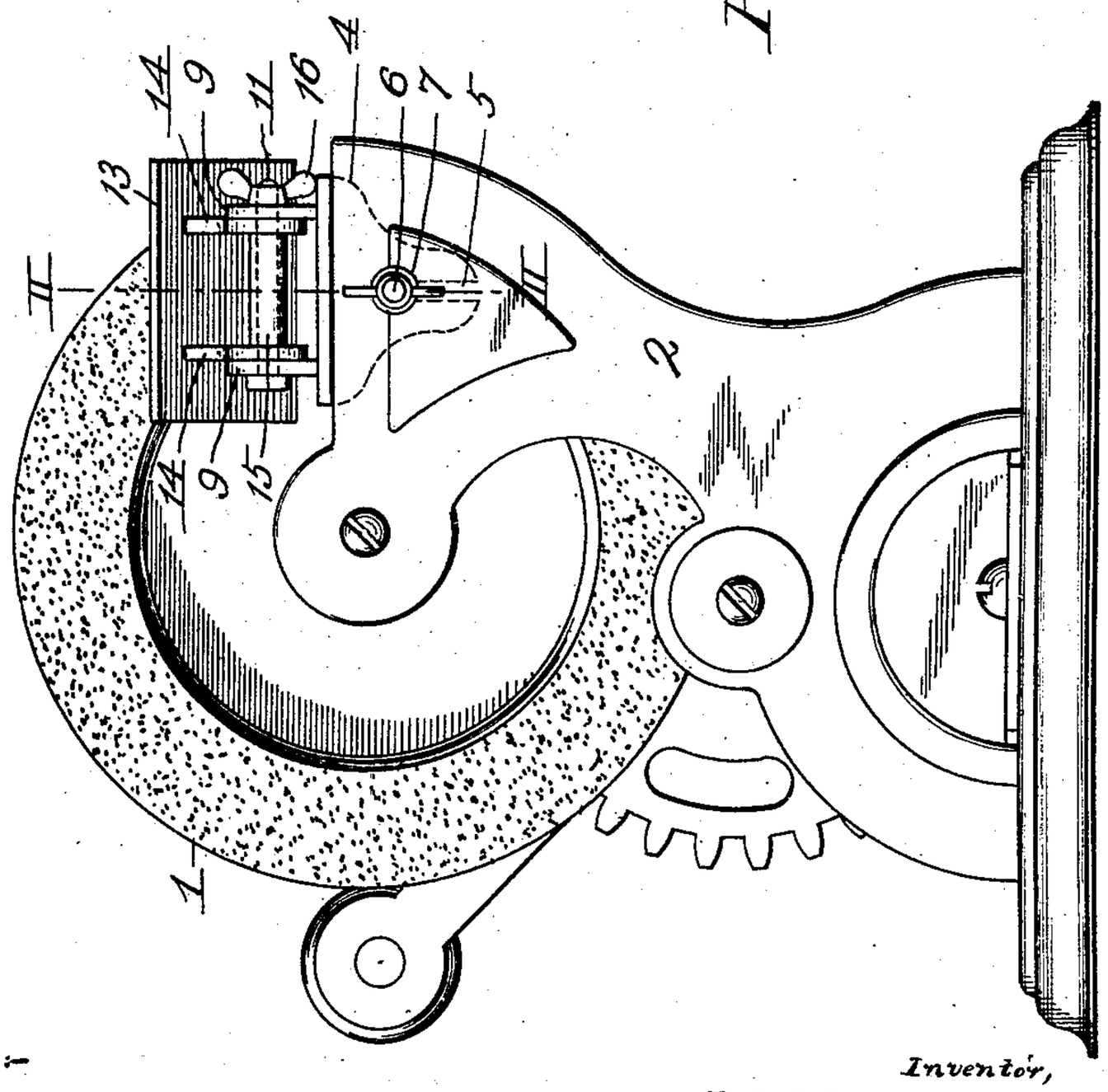


Fig. 1.



Witnesses:-

E. A. Cahill.

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Inventor,

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By F. G. Fischer atty.

UNITED STATES PATENT OFFICE.

ALVORD M. McLERAN, OF KANSAS CITY, MISSOURI, ASSIGNOR TO TWO EDGE MANUFACTURING CO., OF KANSAS CITY, MISSOURI.

ADJUSTABLE TOOL-REST.

No. 894,338. Specification of Letters Patent. Patented July 28, 1908.

Application filed August 15, 1907. Serial No. 388,618.

To all whom it may concern:

Be it known that I, ALVORD M. McLERAN, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Adjustable Tool-Rests, of which the following is a specification.

My invention relates to improvements in adjustable tool-rests and my object is to provide a simple and compact device of this character which may be readily attached to the frame of a grind-stone or sharpening-machine, and be adjusted to give the edge of the tool any desired bevel.

Referring now to the accompanying drawing which illustrates the invention: Figure 1 represents my improved tool-rest in position upon a sharpening-machine. Fig. 2 is a broken vertical section of the same on line II—II of Fig. 1. Fig. 3 is a detail perspective view of the various parts of the tool-rest detached from each other.

1 designates a sharpening-wheel, and 2 a frame in which the wheel is mounted, said frame having an upper inturned marginal flange 3.

4 designates a rightangle bracket having a vertical slot 5 with an open end so that the bracket may be readily placed upon or removed from a bolt 6 extending through one side of frame 2, and provided with a thumb-nut 7 adjustably engaging the threaded outer end of the bolt.

When in position upon the frame the horizontal portion of the bracket rests firmly upon flange 3 while its slotted depending portion is engaged by bolt 6, a washer 8 being interposed between said depending portion and the frame so that when nut 7 is tighten d t.e depending portion will not be sprung inward and thus tip up the horizontal portion of the bracket. The horizontal portion of the bracket is provided with a pair of upwardly-extending elongated ears 9, having longitudinal slots 10 for the reception of a bolt 11 adjustably extending therethrough.

12 designates an adjustable tool-supporting member consisting of a table 13 and a pair of ears 14 depending therefrom, said ears being pivotally mounted upon bolt 11 so that said supporting member may be changed to any angle desired.

15 designates a sleeve embracing bolt 11 and interposed between ears 14, so that when a thumb-nut 16, adjustably engaging one end of bolt 11, is tightened to force ears 9 into frictional engagement with ears 14, the latter can not spring inward beneath the pressure exerted thereon.

In practice the device is secured to the frame, as above described. The tool-supporting member 12 is then adjusted toward or away from the sharpening-wheel according to the size of the tool to be ground. Said supporting member is then given the proper pitch and securely locked by tightening the thumb-nut 16 so that it will not accidentally change its position while the tool resting thereon is being sharpened.

Having thus described my invention, what I claim is:—

1. A tool support consisting of a right-angle bracket, a pair of ears extending upwardly therefrom, a bolt extending through said ears, a tool-supporting member having ears depending therefrom and pivotally mounted upon the bolt, a spacing-sleeve upon the bolt abutting at its ends against the depending ears, and a nut adjustably engaging one end of the bolt for locking the parts together, for the purpose set forth and described.

2. The combination with a sharpening machine, of a tool-rest consisting of a right-angle bracket removably secured to the upper portion of the machine frame and provided with a pair of elongated longitudinally-slotted ears extending upwardly therefrom; a bolt extending through said ears and adapted to slide from end to end of the slots, a table provided with depending ears pivotally mounted upon the bolt, a spacing-sleeve upon the bolt abutting at its ends against the depending ears, and a thumb-nut engaging one end of the bolt, for the purpose set forth and described.

In testimony whereof I affix my signature, in the presence of two witnesses.

ALVORD M. McLERAN.

Witnesses:
F. G. FISCHER,
M. COX.