

(No Model.)

J. HALL.

MACHINE FOR TREATING HIDES, SKINS, OR LEATHER.

No. 559,976.

Patented May 12, 1896.

Fig: 1.

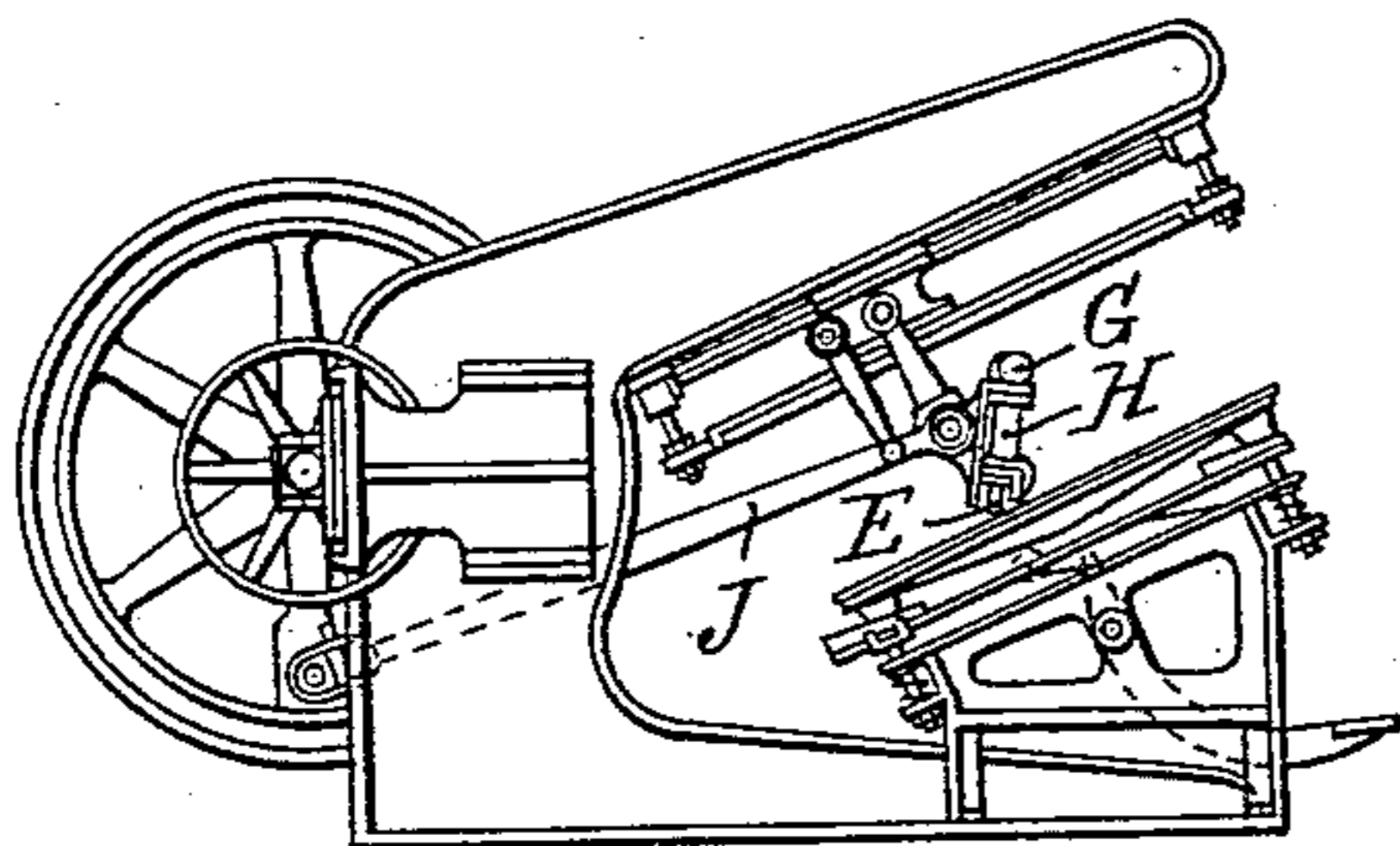


Fig: 2.

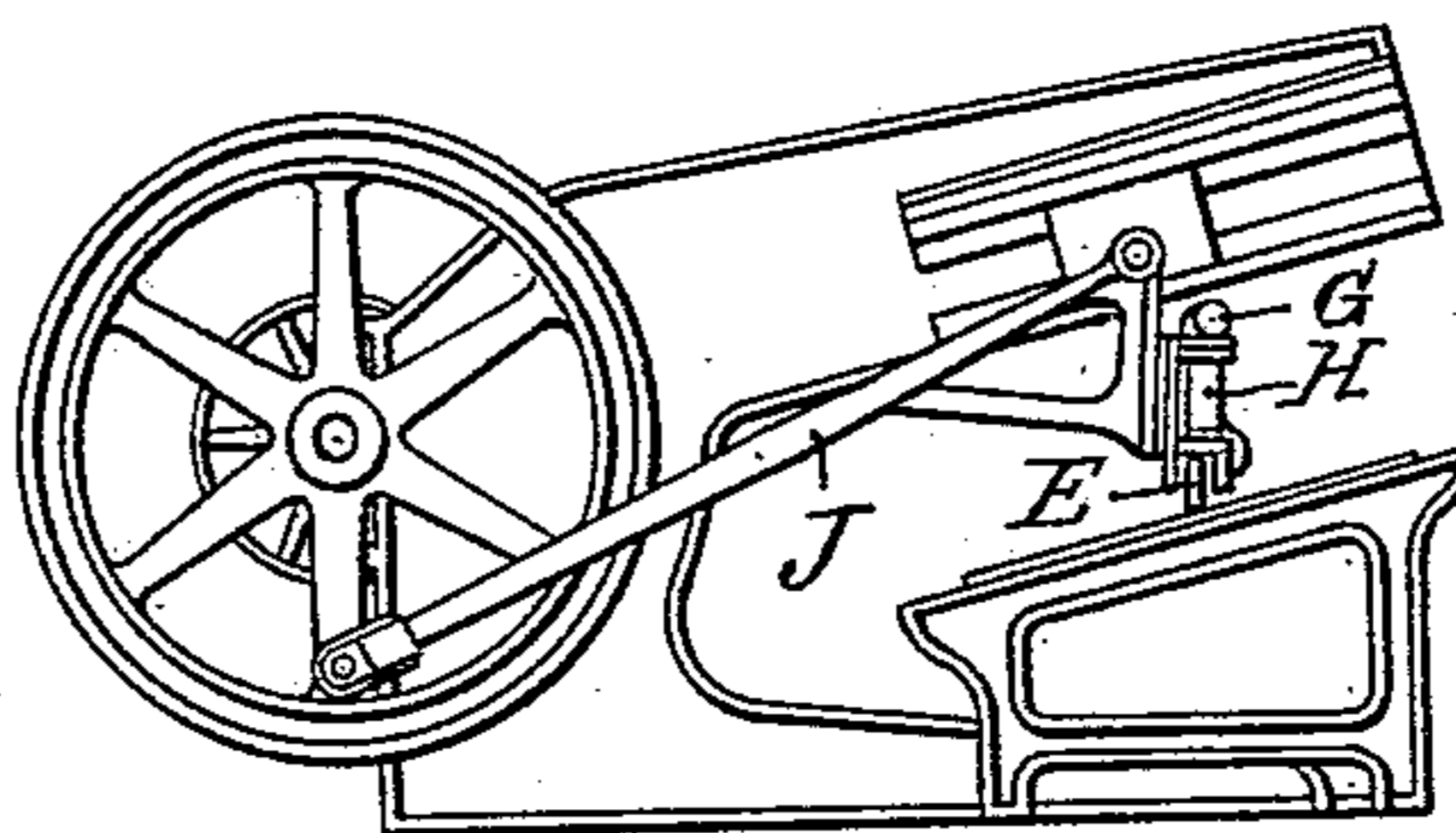


Fig: 3.

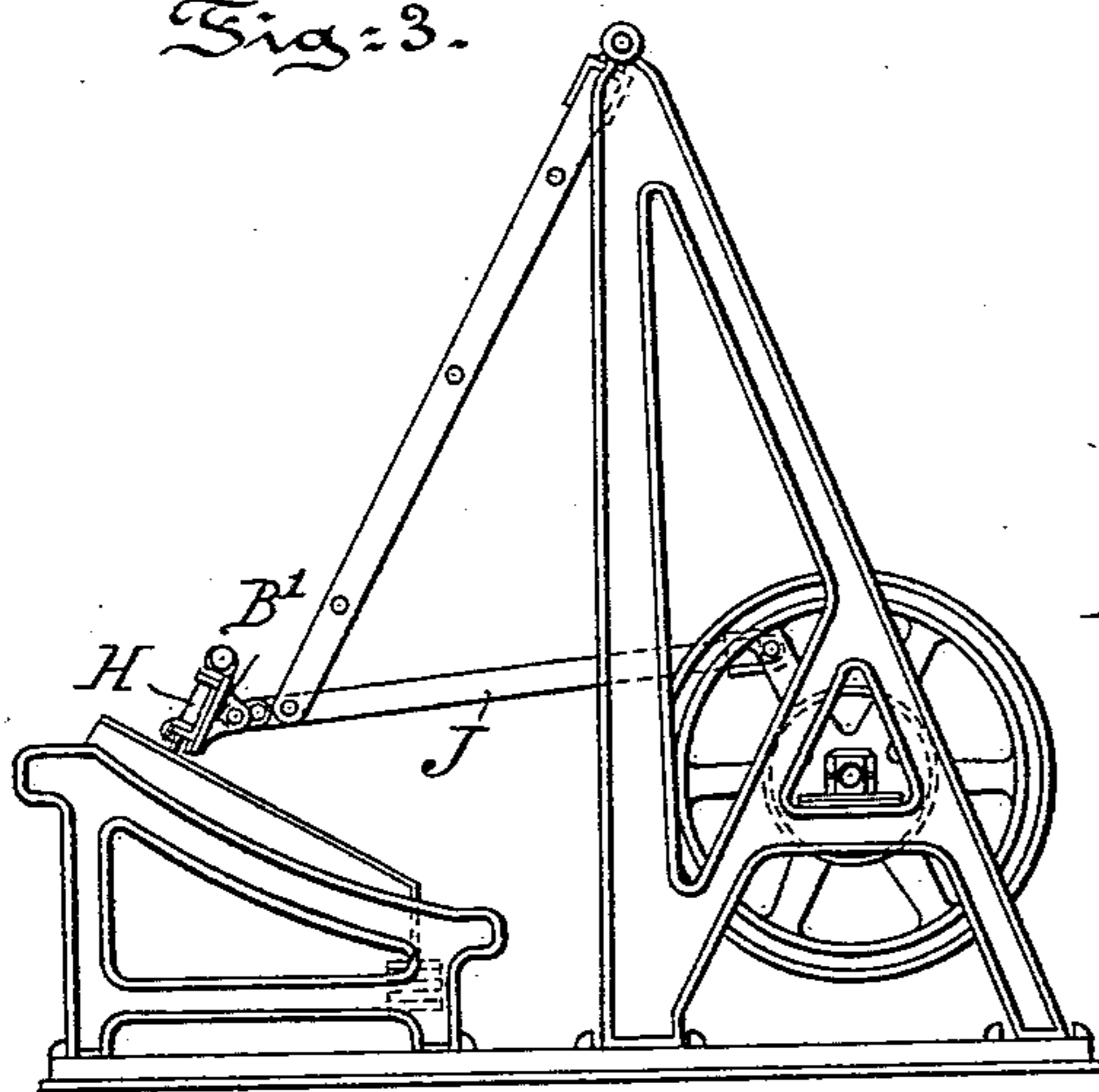


Fig: 5.

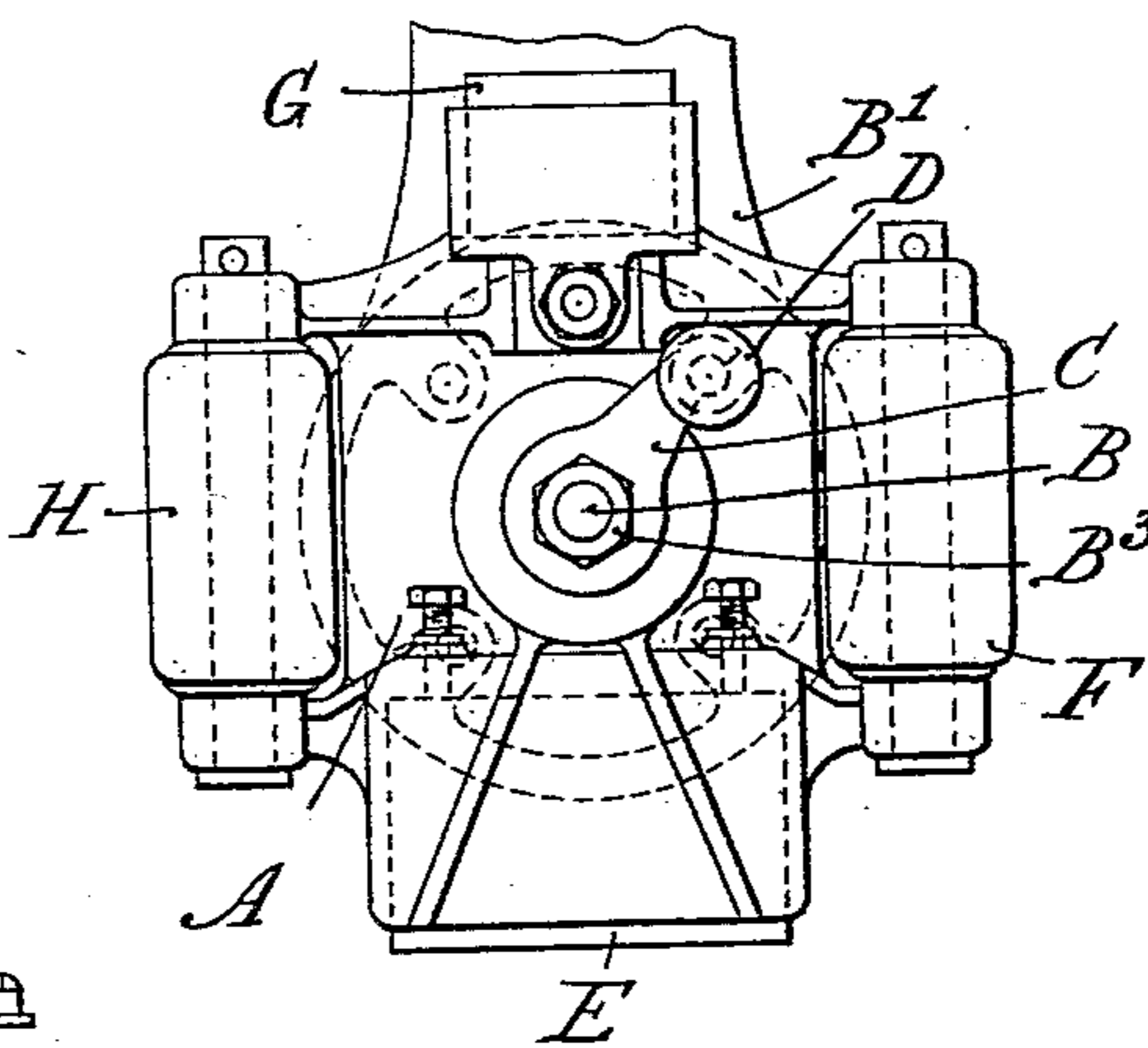


Fig: 4.

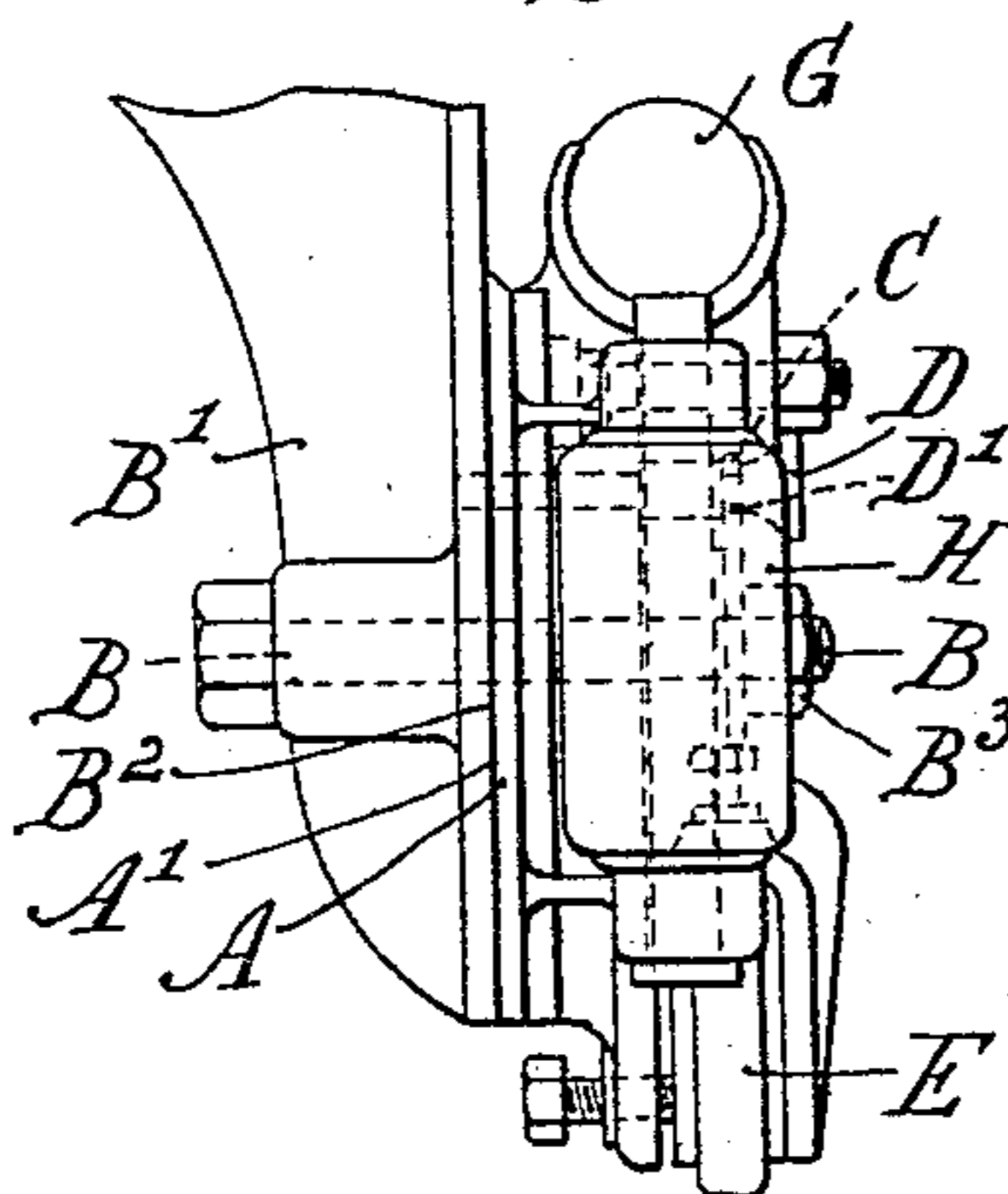


Fig: 6.

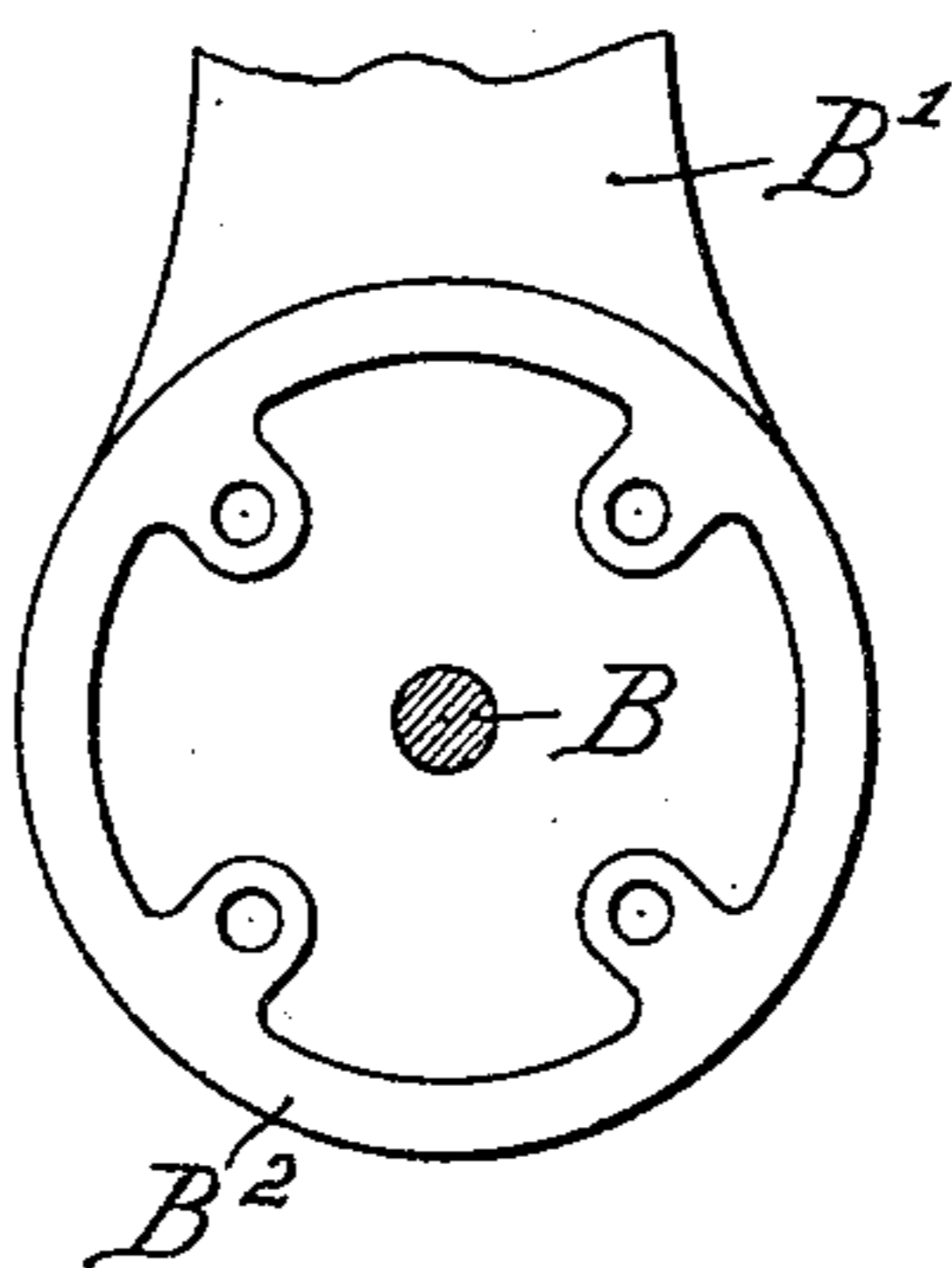
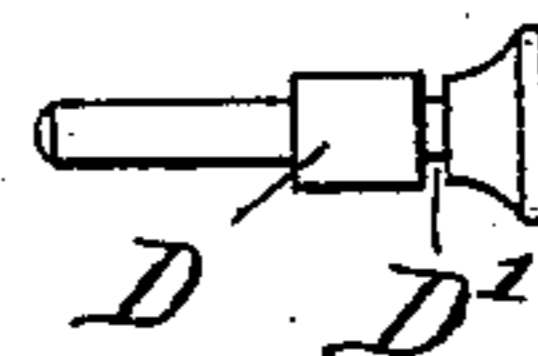


Fig: 8.



Fig: 7.



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UNITED STATES PATENT OFFICE.

JOSEPH HALL, OF LEEDS, ENGLAND.

MACHINE FOR TREATING HIDES, SKINS, OR LEATHER.

SPECIFICATION forming part of Letters Patent No. 559,976, dated May 12, 1896.

Application filed October 29, 1895. Serial No. 567,225. (No model.) Patented in England December 6, 1894, No. 23,720.

To all whom it may concern:

Be it known that I, JOSEPH HALL, a subject of the Queen of Great Britain, residing at the city of Leeds, in the county of York, England, have invented certain new and useful Improvements in Machines for Treating Skins, Leather, or Analogous Materials, (for which I have obtained Letters Patent of Great Britain, No. 23,720, dated December 6, 1894,) of which the following is a specification.

My invention has relation to machines for the treatment of skins, leather, or similar materials, and of the type or character known as "slicking," "setting," "stoning," "glassing," "rolling," and "printing" machines, and in such connection it relates particularly to the construction and arrangement of the tool head or holder of such machines.

The principal objects of my invention are, first, to provide in a machine of the character above set forth a revolving head or tool-holder of simple construction, efficient and durable, and well adapted to the uses for which the same may be employed, and, second, to provide a revolving head or tool-holder turning freely upon an axis or center and provided with means for locking the tool-holder in required position on said axis or center.

My invention, stated in general terms, consists of a revolving tool-holder for skin and leather machines constructed and arranged in substantially the manner hereinafter described and claimed.

The nature and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a side elevation of a leather machine in which the slide-block operating the connecting-rod works in guides underneath the machine-frame and carries a tool-holder revoluble upon a center or axis embodying the main features of my invention. Fig. 2 is a side elevation of a similar machine, differing from that of Fig. 1 only in that the slide-block works in guides at the outside of the frame. Fig. 3 is a side elevation showing my invention applied to a vertical type of leather-machine. Fig. 4 is a side elevation, enlarged, of the tool-holder removed from the machine.

Fig. 5 is a front elevation, enlarged, of the tool-holder. Fig. 6 is a front elevation of the bracket with the head or tool-holder removed; and Figs. 7 and 8 are plan views, respectively, of the locking-pin securing the tool-holder in the bracket and of the plate or arm locking the pin in position.

Referring to the drawings, A represents a head carrying the various tools E, F, G, and H at its circumference or periphery. The head A is carried on an axis or pin B, secured to an arm or bracket B', which is operated by the connecting rod or arm J. The bracket B' is provided with an outer face B², upon which the inner face A' of the head A is adapted to turn. On the axis or pin B is carried an arm or plate C, which is secured to the pin B by tightening the nut B³ on the axis or pin B. The head A is secured to the bracket B' by means of a pin D, passing through suitable openings in the head and bracket. The pin D is locked in position by the arm or plate C, the free end of which is recessed at C' and adapted to be slid into engagement with the stem of the pin D in an annular groove D' in the enlarged head thereof. When it is desired to change the tools, the nut B³ is eased and the locking-arm C moved back out of engagement with the pin D. The pin D is then withdrawn and the head A is turned into the desired position, when the pin D is replaced and locked in position by the arm C, held against the pin D by tightening the nut B³ of the axis B.

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a machine of the character described, the combination with the bracket and pin carried by the connecting-rod, of a head provided at its periphery with the required tools, said head revolving upon the bracket and pin, a locking-pin adapted to lock the head to said bracket, and an arm secured to the bracket, pin and adapted to prevent the withdrawal of said locking-pin, substantially as and for the purposes described.

JOSEPH HALL.

Witnesses:

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