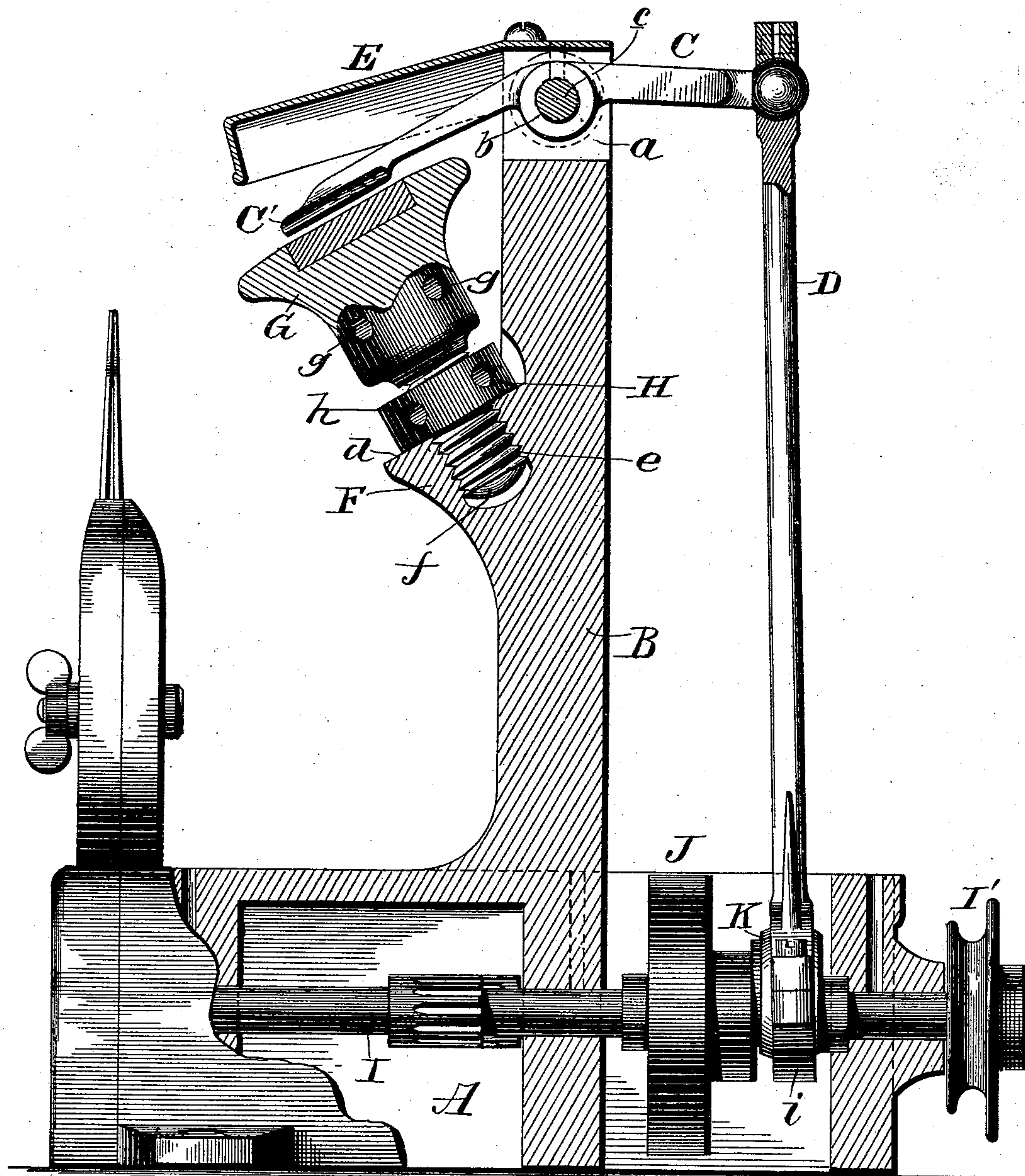


(No Model.)

P. W. MINOR.  
MACHINE FOR HAMMERING LEATHER.

No. 494,259.

Patented Mar. 28, 1893.



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# UNITED STATES PATENT OFFICE.

PETER W. MINOR, OF SPRINGVILLE, NEW YORK.

## MACHINE FOR HAMMERING LEATHER.

SPECIFICATION forming part of Letters Patent No. 494,259, dated March 28, 1893.

Application filed August 13, 1892. Serial No. 443,025. (No model.)

*To all whom it may concern:*

Be it known that I, PETER W. MINOR, residing at Springville, in the county of Erie and State of New York, have invented certain new and useful Improvements in Machines for Hammering Leather; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in machines for hammering leather,—the object being to construct the machine in such manner that it can be readily adjusted relatively to the thickness of the material to be operated upon, without disturbing the operating parts of the machine.

A further object is to provide a machine for hammering leather, with a simple and efficient adjustable anvil.

A further object is to provide means for simply, quickly and efficiently adjusting the anvil of a leather hammering machine relatively to the hammer and secure it in the desired position.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawing: the figure is a side elevation partly in section of my improved machine.

My improved hammering devices are intended more particularly for use in connection with a leather beading machine and in the drawing I have shown it in connection with beading devices.

I do not in this application desire to claim any of the features of the beading attachment, as said attachment is covered by another application for patent, filed by me, and consequently the construction and operation will not be described in this application.

A represents a hollow base, from which a post or standard B projects upwardly. In the upper end of the post or standard B, a recess *a* is made, and in the diametrically opposite walls of this recess are journal bearings *b*, in which the journals *c* of a lever C are mounted. The lever C projects from the post or standard in opposite directions, the forwardly pro-

jecting arm, which constitutes the handle of a hammer, being provided at its extremity with a hammer head C'. The other arm of the lever C is connected, by means of a ball and socket joint, with a pitman D, through which motion is imparted to the hammer in a manner presently explained. A hood or cover E is preferably secured to the top of the post or standard B, said hood serving to cover the recess *a* in the post or standard and projecting over and adapted to receive the hammer. At a point between the ends of the post or upright B, a bracket or enlargement F projects therefrom, and is preferably made with an inclined face *d*. The bracket or enlargement is preferably cast with the post or upright and is made with a screwthreaded socket *e* for the reception of the screwthreaded shank *f* of the anvil G, said anvil being provided with a socket or perforation *g* for the reception of a suitable implement whereby to turn it to adjust it relatively to the hammer.

A screwthreaded nut H is placed on the shank *f* of the anvil, and is provided with sockets *h* for the reception of a suitable tool whereby to turn it, said nut being adapted to lie against the inclined face *d* of the bracket or enlargement F, and thus securely hold the anvil to the position to which it is adjusted.

From this construction it will be seen that when it is desired to adjust the machine for a particular thickness of leather, it is simply necessary to turn the anvil in the required direction until it has assumed the desired adjustment, and then tighten it by means of the nut H. By this means the machine can be adjusted for the desired thickness of leather without disturbing any of the operating or working parts of the machine, and thus overcoming a serious defect in other machines of this class which usually employ adjusting devices among the operating parts.

In the hollow base A a shaft I is mounted, and provided preferably beyond one end of the base, with a pulley I', for the reception of a strap from any convenient source of power. A fly wheel J is preferably secured to the shaft I, within the hollow base. The shaft I also carries a crank disk or eccentric K preferably having a curved periphery for the reception of the strap *i* at the lower end of the pitman D. The strap *i* is made in two parts,



bolted together, and preferably embraces the crank or eccentric K rather loosely, so that said pitman can readily adapt itself to motions of the crank or eccentric and the lever C.

5 The machine, constructed as above set forth is very simple, and is effectual in the performance of its functions.

Slight changes might be made in the details of construction of my invention without  
10 departing from the spirit thereof or limiting its scope, hence I do not wish to limit myself to the precise details of construction herein set forth but,

Having fully described my invention, what  
15 I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a post or standard, a bracket or enlargement projecting therefrom, a hammer and means for operating said  
20 hammer, of an anvil having a screwthreaded shank, for entering said bracket or enlargement, and means for securing said anvil at any desired adjustment relatively to the hammer, substantially as set forth.

25 2. In a hammering machine, the combination with a post or standard, an enlargement having an inclined face and a screwthreaded socket, projecting from said post or standard, a hammer and means for operating the same,  
30 of an anvil, a screwthreaded shank projecting from said anvil and adapted to enter the screwthreaded socket in the enlargement, and a nut adapted to screw on said shank and bear against the inclined face of the enlargement to retain the anvil in any desired ad-  
35 justment relatively to the hammer, substantially as set forth.

3. In a hammering machine, the combina-

tion with a post or standard, an enlargement having an inclined face and a screwthreaded  
40 socket, projecting from said post or standard, a hammer and means for operating said hammer, of an anvil having a socket or perforation for the reception of a tool whereby to turn it, and a nut adapted to screw on said  
45 shank and bear against the inclined face of the enlargement to retain the anvil in any desired adjustment relatively to the hammer, said nut having sockets for the reception of a tool whereby to turn it, substantially as set  
50 forth.

4. In a hammering machine, the combination with a hollow base, of a shaft mounted in said hollow base, a crank arm or eccentric carried by said shaft, a fly wheel also carried  
55 by the shaft, a standard, a lever carrying a hammer mounted in said standard, a pitman connecting said lever and crank arm or eccentric, and an adjustable anvil, constructed to screw into the standard substantially as  
60 set forth.

5. In a hammering machine, the combination with a standard, and an anvil adjustably supported thereby, of a hammer adapted to act in conjunction with said anvil, means for  
65 operating said hammer, and a hood rigidly secured in place and projecting over and adapted to receive said hammer, substantially as set forth.

In testimony whereof I have signed this  
70 specification in the presence of two subscribing witnesses.

PETER W. MINOR.

Witnesses:

H. W. TANNER,  
CLAUDE G. LELAND.