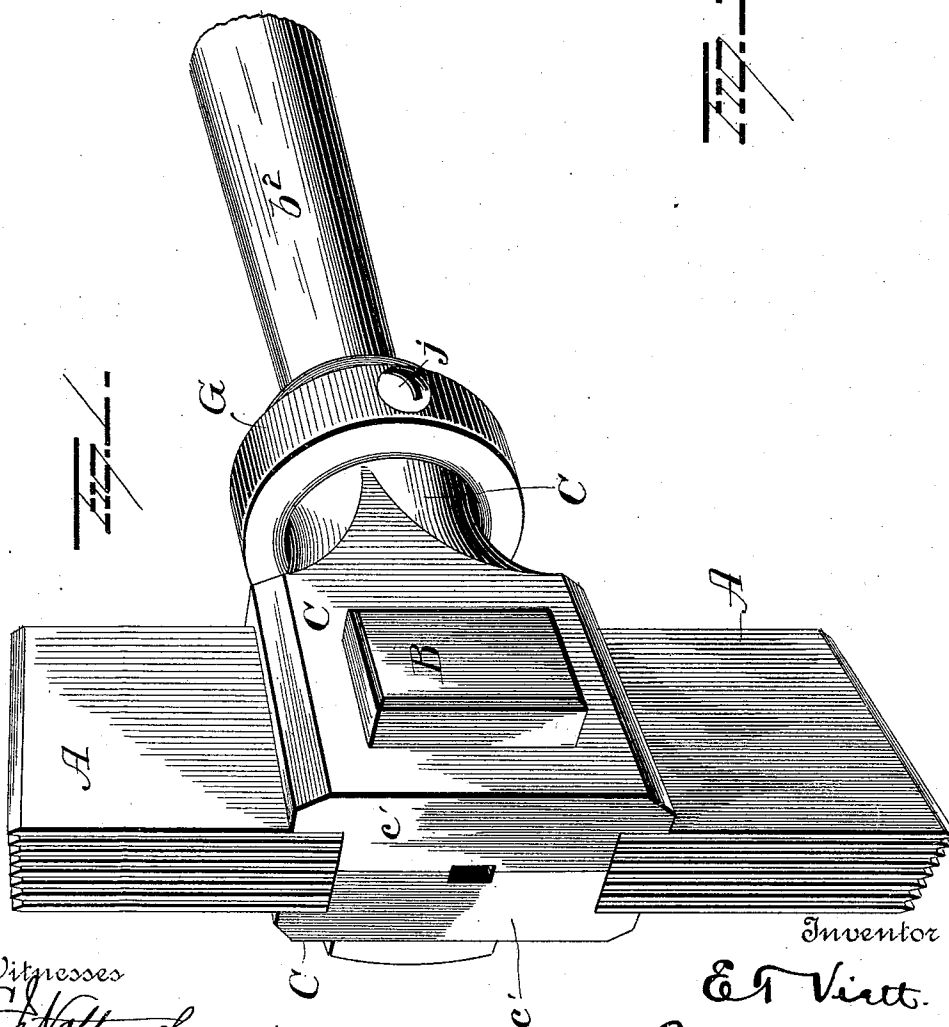
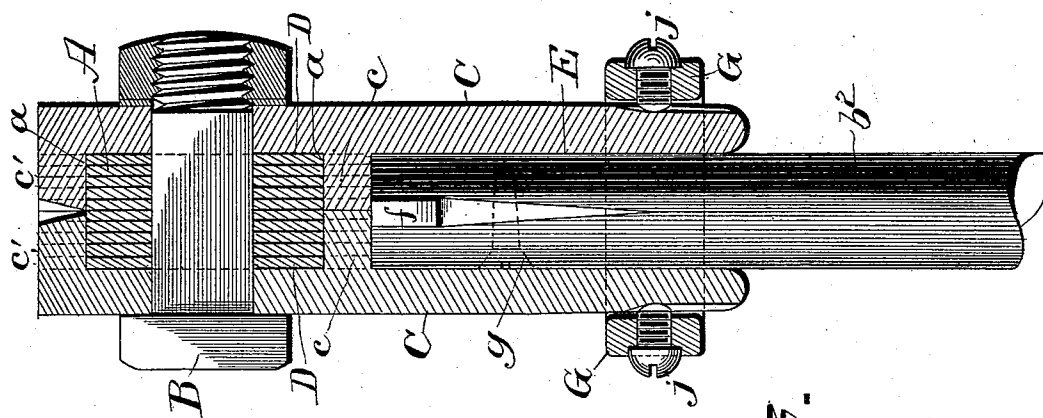


BUSH HAMMER.

No. 494,266.

Patented Mar. 28, 1893.



Witnesses
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G. F. Downing

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(No Model.)

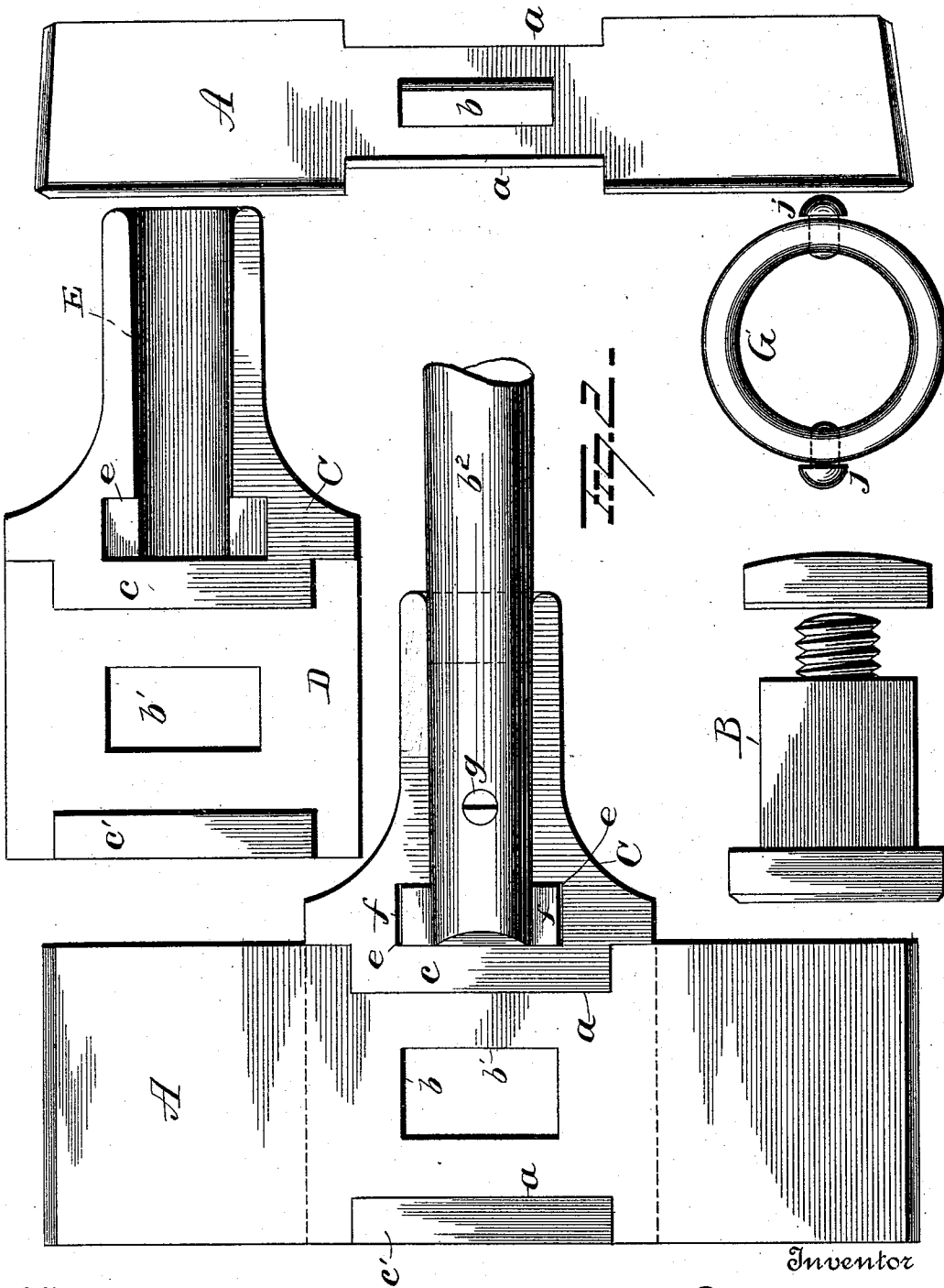
E. T. VIETT.

2 Sheets—Sheet 2.

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No. 494,266.

Patented Mar. 28, 1893.



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UNITED STATES PATENT OFFICE.

EMILE THEODORE VIETT, OF CHARLESTON, SOUTH CAROLINA.

BUSH-HAMMER.

SPECIFICATION forming part of Letters Patent No. 494,266, dated March 28, 1893.

Application filed November 17, 1892. Serial No. 452,341. (No model.)

To all whom it may concern:

Be it known that I, EMILE THEODORE VIETT, of Charleston, in the county of Charleston and State of South Carolina, have invented certain new and useful Improvements in Bush-Hammers; 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 bush-hammers, and it consists in the parts and combination of parts as will hereinafter be more fully described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved bush-hammer. Fig. 2 is a view of the parts detached, and Fig. 3 is a view in section.

A represents the cutters, each of which is recessed on its top and bottom sides as shown at *a*, and are provided centrally with an angular opening *b*, for the reception of a locking bolt B, which latter when in position passes through like openings *b'* located in each section of the head C. The head C is composed of two sections each of which is provided with a half socket D, which when the two sections of the head C are secured together receive the entire series of blades or cutters A. The sections are also provided each with a half socket E which when combined receive the handle *b*². Each section of the head C is provided in its half socket D with an upper and lower projection *c c'*, which latter registers with the recess *a* in the edges of the blades or cutters A forming shoulders which prevent any movement of the cutters. The half socket E located in each section of the head C is wider at its bottom than at its top as shown at *e* and is adapted to receive the short member of the T-shaped plate *f* located centrally in the handle *b*². The handle is split or provided with a saw kerf at its end as shown into which the T-shaped metal plate *f* is placed and secured by bolts or rivets *g*. By this construction the handle is not only secured against displacement, but is also prevented from turning. The handle is locked firmly within the head sections C and the latter are locked together by means of a ring G, which latter is slipped over the handle and around the sections C and is se-

cured thereon by means of a screw *j*, thus preventing any slipping of the handle or moving of the sections composing the head C.

The several parts comprising my improvement are assembled as follows: The desired number of blades or cutters having been assembled, they are placed in one of the sections, the projections *c c'* registering with the recesses *a* located in the edges of the cutters. The angular bolt B is then passed from the outside through opening *b'* located in one of the sections of head C, thence through the opening *b* in each of the blades or cutters. The handle is then placed in the half socket E, after which the remaining section of head C is placed in proper position and the nut screwed on bolt B, thus locking the blades or cutters against displacement. The ring G is then passed over handle *b*² and finally around the head C, the screw applied and the parts locked against movement.

When the hammer is in use it will be seen that the blades or cutters have three points of bearing at each end, two on the shoulders or abutments located in the socket formed by the two half sections, and one on the angular bolt which latter is constructed to snugly fit the openings in the blades.

It is evident that changes in the construction and relative arrangement of the several parts might be made without avoiding my invention and hence I would have it understood that I do not restrict myself to the particular construction and arrangement of parts shown and described, but,

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

1. The combination with a sectional head having transverse sockets formed in the sections of the head, said sockets corresponding in shape and one forming a complement of the other when the sections are together and the socket formed thereby having wide and narrow portion, of blade or blades constructed at the center to conform to and fit in the socket, the blade and sections of the head having aligned holes adapted to receive a bolt or similar device by which the sections of the head and blade or blades are held together, substantially as set forth.

2. The combination with a sectional head

having a pair of sockets formed therein, one for a blade or cutter and the other for a handle, the socket for the handle being T-shaped, of a cutter handle having a T-shaped inner end adapted to enter the T-shaped socket, and a bolt passed through the head and blade for holding the head, blade and handle securely together, substantially as set forth.

3. The combination with a head formed in sections each section having two sockets therein each forming a complement of the other when the sections are together, and one socket extending at right angles to the other, of a cutter adapted to be held in one socket, a handle in the other, and a bolt passed through the head and cutter for holding the parts together, substantially as set forth.

4. The combination with a sectional head having a socket for a handle and a socket for a blade or cutter, the socket for the handle being enlarged at its lower end, of a handle

having a T-shaped plate secured in its lower or inner end the short member of said plate adapted to rest within the enlargement of the socket and a ring embracing said socket for locking the parts together; substantially as set forth.

5. The combination with a sectional head having a handle socket and a blade socket, the latter having shoulders as described, of the blade, handle, angular bolt passing through the sections of the head and blade and locked by a nut and a ring embracing the handle socket, substantially as set forth.

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

EMILE THEODORE VIETT.

Witnesses:

T. A. HEYNENIN,
LEON. C. FERRALL.