G. HITCHCOCK.

Pavers' Rammer.

No. 162,384. Patented April 20, 1875.

Fig 1.

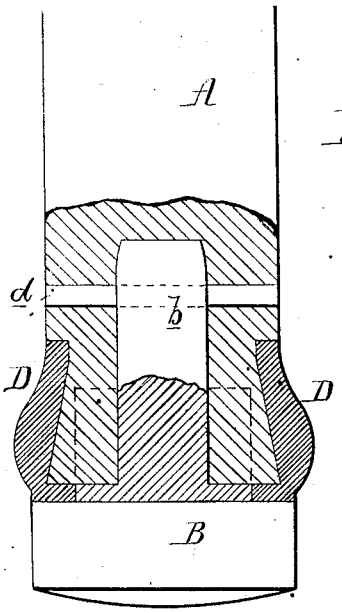


Fig. 3.

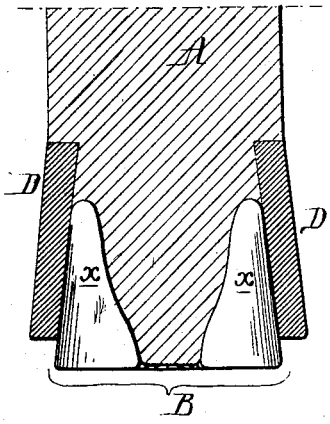
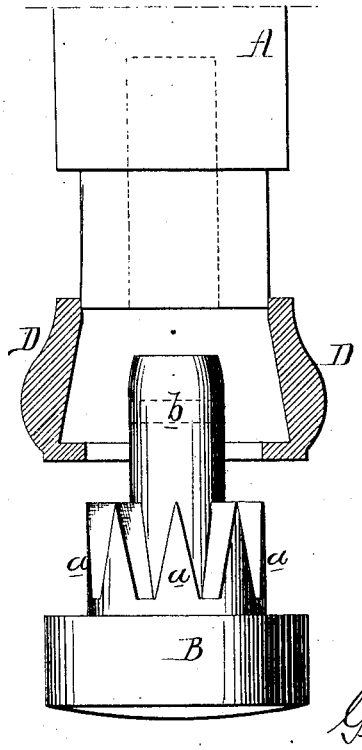


Fig. 2.



Witnesses,
Hubert Howson
Harry Smith

George Hitchcock
by his Attorneys
Howson and Son

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

GEORGE HITCHCOCK, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO WILLIAM EVERHAM, OF SAME PLACE.

IMPROVEMENT IN PAVIORS' RAMMERS.

Specification forming part of Letters Patent No. **162,384**, dated April 20, 1875; application filed March 29, 1875.

To all whom it may concern:

Be it known that I, GEORGE HITCHCOCK, of Philadelphia, Pennsylvania, have invented certain Improvements in Pavior's Rammers, of which the following is a specification:

The object of my invention is to provide a pavior's rammer with a head or ram, which can be readily and securely attached to the wooden body, and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a vertical sectional view of my improved pavior's rammer; Fig. 2, a view of the parts detached from each other; and Fig. 3, a sectional view of an ordinary pavior's rammer.

The ordinary method of constructing a pavior's rammer is shown in Fig. 3, in which a ferrule, D, is first fitted to the lower end of the wooden body A of the rammer, and pieces *x* of wrought-iron then driven into the same, around the inner edge of the ferrule D, until the circle is complete, this ring of pieces *x* around the wooden center forming the ram B. As powerful blows are required to drive the pieces *x* into their places, and as each piece has to be driven separately, this plan is necessarily tedious and expensive. Moreover, the ferrule D has a tendency to slip down over the edges of the pieces after the rammer has been used for a time. I obviate these objections by constructing the head B of the rammer as shown in Figs. 1 and 2—that is, by casting it in one piece, preferably of steel, and forming on it a number of wedge-shaped projections, *a*, between which and the ferrule D the wood of the body A is compressed when the head is driven into its place. A central stem, *b*, is also formed on the head B, and through an opening near the end of this stem is driven a key-pin, *d*, which also passes through the body of the rammer and serves to retain the head securely in its place.

I claim as my invention—

A pavior's rammer having a solid metal head, B, on which are formed wedge-shaped projections *a*, and a central stem, *b*, all being constructed for attachment to the wooden body A, substantially as and for the purpose herein set forth.

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

GEORGE HITCHCOCK.

Witnesses:

HUBERT HOWSON,

HARRY SMITH.