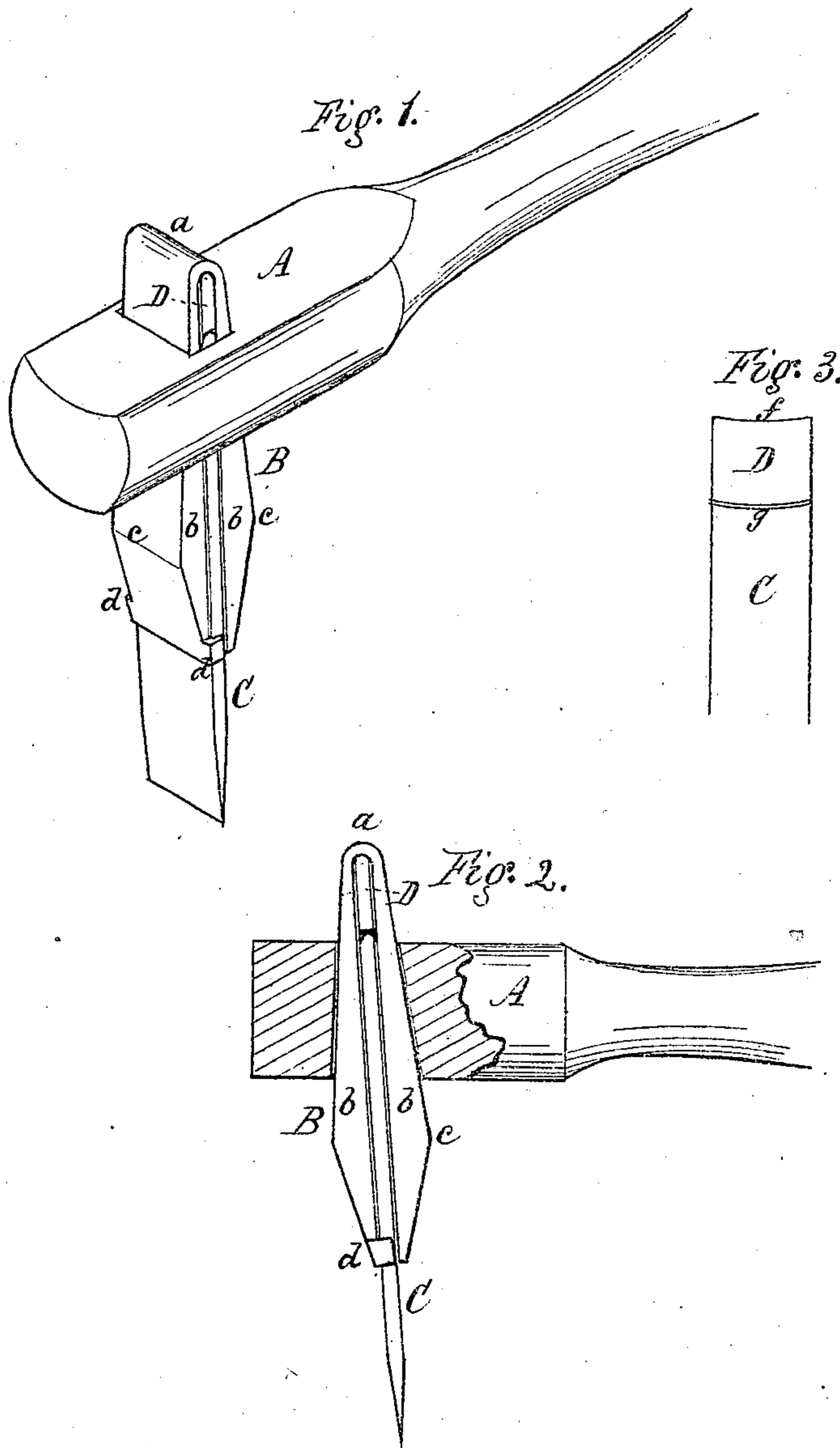


C. PENNOYER.

Improvement in Mill-Picks.

No. 132,598.

Patented Oct. 29, 1872.



Witnesses:
Archie Baint
William C. Baine

Inventor:
Charles Penoyer,
per R. F. Osmond,
att'y.

UNITED STATES PATENT OFFICE.

CHAUNCEY PENNOYER, OF LOCKPORT, NEW YORK.

IMPROVEMENT IN MILL-PICKS.

Specification forming part of Letters Patent No. 132,598, dated October 29, 1872.

To all whom it may concern:

Be it known that I, CHAUNCEY PENNOYER, of Lockport, in the county of Niagara and State of New York, have invented a certain Improvement in Mill-Picks, of which the following is a specification:

Nature of the Invention.

My invention consists of a clamp of peculiar form and construction, resting in the eye of the pick-stock, and serving to clasp and hold the pick by the clamping action in the eye; it also consists in the combination of a blank with the clamp and pick, to compensate for the wearing away of the latter, as hereinafter described.

General Description.

In the drawing, Figure 1 is a perspective view; Fig. 2, a sectional elevation; and Fig. 3, a face view of the pick and blank.

A represents the pick stock or handle, B the clamp, and C the pick. The clamp B is made from a strap of iron or steel, bent double, so that the bend or turn *a* comes at the top, while the sides *b b* are left open for the insertion of the pick. From the bend *a* the sides of the clamp are made wedging outward and downward to the point *c*, so that as the clamp is driven into the eye or socket of the stock it wedges in place and thereby closes the sides of the clamp against the pick. From the point *c* the ends of the clamp converge to the sides of the pick, so that at the lower end as little thickness as possible is left to interfere with the action of the pick. Right-angled lips or lugs *d d* are formed on the lower end of one side of the clamp, which shut over the edges of the pick to keep it from lateral displacement, the other end of the pick resting in the eye of the stock, as shown.

A mill-pick formed in this way is very simple in construction and very effective in use; for the constant driving of the clamp into the eye of the stock will always keep the sides up tight against the pick, while the lips *d d* will keep the pick from lateral displacement. At the same time the bend *a* furnishes a position shoulder or stop to the upper end of the pick and obviates the use of keys resting in notch-

es of the pick, wedges, or other devices for tightening the pick, which are liable to displacement, and which render the pick loose in action.

I am aware that mill-picks have been known in which the pick proper is held by a wedging action; but I know of none in which it has been accomplished by a simple clamp alone and without the use of separate attachments to the clamp. My invention consists simply in the double-wedging form of the clamp, bent double, and serving to hold the pick by the clamping action of the arms alone, and without other attachments. The clamp serves as an exterior shield to the pick, and by its use the pick can be made of the same thickness from bottom to top. In this respect it is far superior to a pick which is itself made wedging from each end to the center, and is inserted in the eye of the stock without exterior covering. In such case but a portion of the length of the pick can be used for cutting, while in mine the whole length can be used up.

In order to extend or project the point of the pick as it wears away I employ a blank, D, of the same width and thickness and of suitable length, which is inserted between the top of the pick and the bend *a*. I prefer to make the top of this blank concave and its bottom convex, as shown at *f g*, and to fit the surfaces against which it rests of the same form, by which means the blank is kept in place. If desired, the form may be different, or the abutting-surfaces may be serrated. Several of these blanks may be employed, of different lengths, to compensate for the wear of the pick, and they may be used either separately or one on top of another. This device constitutes another feature of my invention.

Claims.

I do not claim broadly a pick which is self-wedging, as I am aware the same has before been known; but

What I claim, and desire to secure by Letters Patent, is—

1. The clamp B, made from a single piece of metal, with the bend *a*, wedge-shaped sides *b b*, and lugs *d d*, as herein shown, for the purpose specified.

2. The clamp B, made in a single piece with the bend *a* and wedged-shaped sides *b*, in combination with the handle A and pick C, with or without the interposed blank D, substantially as and for the purpose specified.

In witness whereof I have hereunto signed

my name in the presence of two subscribing witnesses.

C. PENNOYER.

Witnesses:

R. F. OSGOOD,
ARCHIE BAINÉ.