

(No Model.)

W. A. WRIGHT.

PICK.

No. 277,183.

Patented May 8, 1883.

Fig. 1.

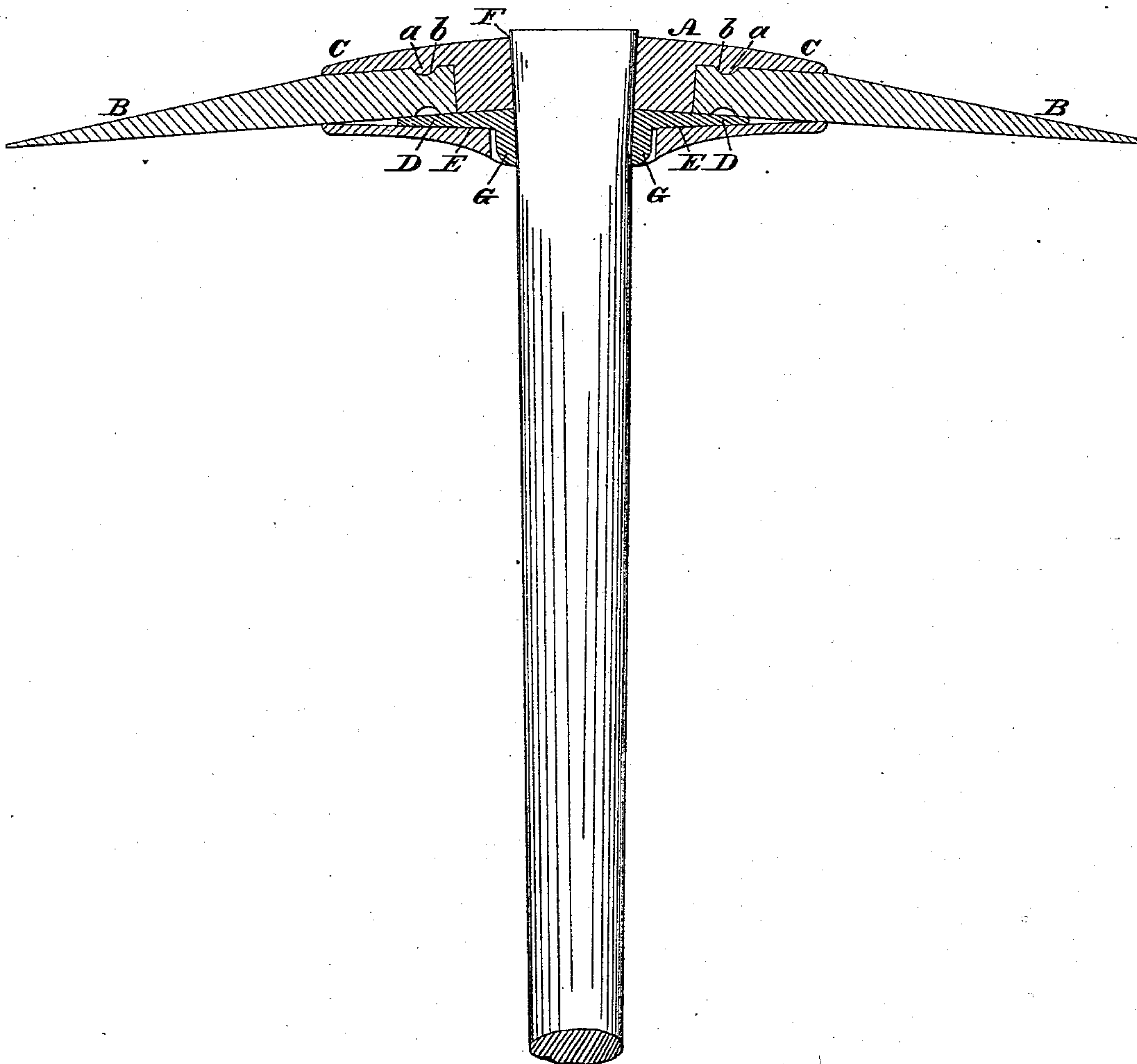
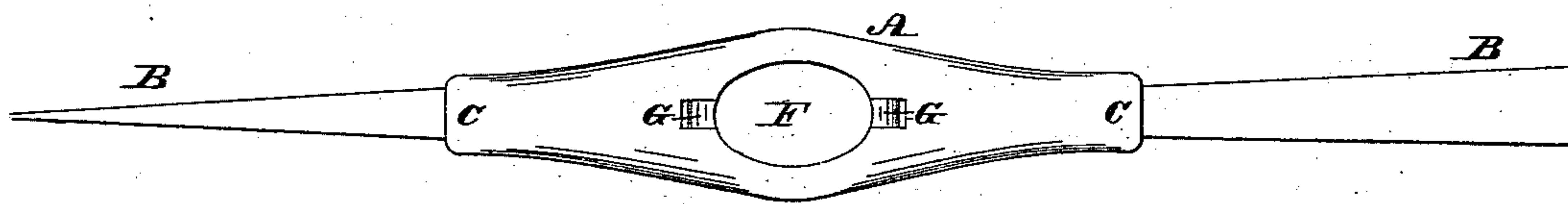


Fig. 2.



WITNESSES:

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PICK.

SPECIFICATION forming part of Letters Patent No. 277,183, dated May 8, 1883.

Application filed September 23, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. WRIGHT, a citizen of the United States, residing at Centreton, in the county of Burlington, State of New Jersey, have invented a new and useful Improvement in Picks, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a longitudinal section of the pick embodying my invention. Fig. 2 is a bottom-view thereof.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists of a pick-head provided with removable points, which are securely held in position by keys bearing on the handle, the displacement of which is prevented by the handle or helve of the pick.

Referring to the drawings, A represents the head of a pick, and B the points thereof, which latter are detachably fitted in sockets C in the ends of said head. On the inner face of each socket is a rib, *a*, which is adapted to enter a groove, *b*, formed in the inner end of the point, and, if desired, opposite sides of the inner end of the point may be grooved, so that when the point is turned it may engage with the rib *a*. In order to hold the points firmly in contact with the ribs *a*, the inner ends of the sockets C are deepened, so that keys D may be introduced between the inner ends of the points and the walls of the sockets on the sides opposite to the ribs *a*, the effect whereof is to hold the points engaged with the ribs and prevent their lowering, and consequent separation from said ribs. The keys D are fitted in openings E in the head A, which openings extend parallel with the sockets C, and communicate therewith, as also with the eye F of the pick, whereby the keys may be introduced into said openings through the eye, it being noticed that the ends of the keys which appear at the eye do not affect or break the contour of the eye. (See Fig. 2.) When the handle or helve is removed and the points are fitted in the sockets C, the keys D are introduced, thus forcing the points to engaging contact with the ribs *a*. The handle or helve is then inserted in the eye F, thus connecting

the head with the handle or helve, and forcing the keys D to full extent between the points B and adjacent walls of the sockets C, and controlling said keys. As the points cannot separate from the ribs *a*, owing to the wedging or holding action of the keys D, and the latter are prevented from displacement, owing to the locking or retaining action of the pick handle or helve, it is evident that the points are firmly, securely, and reliably connected with the head. In order to remove the points, the handle or helve is disconnected from the head, whereby the keys may be withdrawn through the eye F. As the points are thus disengaged from the ribs *a* they may be withdrawn from the sockets C, as is evident.

In order to provide convenient access to the ends of the keys which appear at the eye of the head, said ends have secured to or formed with them lips G, which extend parallel with the eye, and appear at the bottom of the eye if the openings E are below, or at the top of the eye if said openings are above, the inner ends of the points, said lips G being adapted to be readily grasped or engaged for conveniently drawing the keys into the eye, and thus removing the same.

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

1. The pick-head having sockets and removable points, in combination with the handle and keys which secure said points, said keys having their bearing in the sockets, their sides against said points, and their ends set against said handle, substantially as and for the purpose set forth.

2. The pick-head constructed with sockets and having ribs on the inside thereof, in combination with removable points which are grooved to receive said ribs, and keys which lock said points in said sockets, said keys having their bearings in said sockets, their sides against said points, and their ends against said handle, substantially as set forth.

WM. A. WRIGHT.

Witnesses:

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