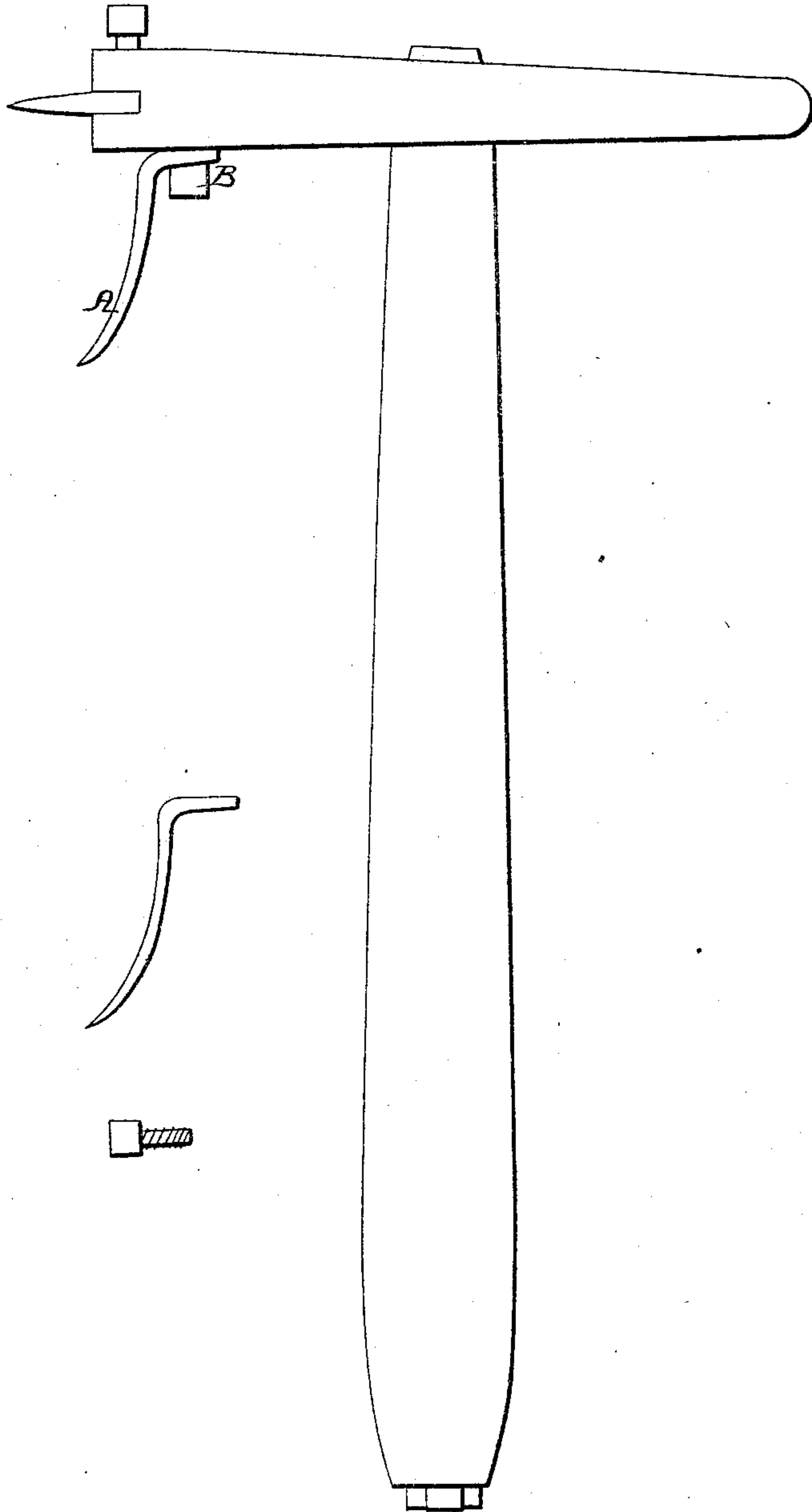


*J. U. Houston,*  
*Millstone Pick.*  
*N<sup>o</sup> 9,465.      Patented Dec. 14, 1852.*



# UNITED STATES PATENT OFFICE.

JOS. U. HOUSTON, OF CONWAY, MASSACHUSETTS.

## STONE-PICK.

Specification of Letters Patent No. 9,465, dated December 14, 1852.

*To all whom it may concern:*

Be it known that I, JOSEPH U. HOUSTON, of Conway, in the county of Franklin and Commonwealth of Massachusetts, have invented a new and useful Improvement on Millstone-Picks; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in providing the inner side of the hammer of the pick with a guard; which guard will intercept the chips of stone, and protect the hand.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation: I construct my pick with a removable wedge-shaped bit or edge, inserted by sliding into a corresponding recess in the face of the hammer and fastened by set screws; but, in order to prevent the chips of stone, which fly when the pick is used, from hitting the hand of the picker, I add a thin metallic guard, on the inner side of the hammer, projecting toward the picker, as

shown at A in the accompanying drawing: and this guard I secure to the hammer by two set screws, as shown at B; this guard I, in general make of hardened steel, and slightly curved, so as to bring the end about on a right line with the face of the hammer, and of sufficient length to insure the necessary protection, generally about one sixth the length of the handle.

I do not claim as my invention the mode of constructing the pick, as described, in other respects than as pertains to the guard.

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

The addition of a guard to the inner side of the hammer of mill-stone picks, which guard will intercept the chips of stone and protect the hand and person of the picker; using for that purpose the metallic guard above described, or any other substantially the same, and which will accomplish the same result.

JOSEPH U. HOUSTON.

Witnesses:

THOMAS S. DICKINSON,  
EUROTAS WELLS.