(No Model.)

# C. E. BARKER.

## PICK.

No. 572,856. Patented Dec. 8, 1896.

Fig. 3.

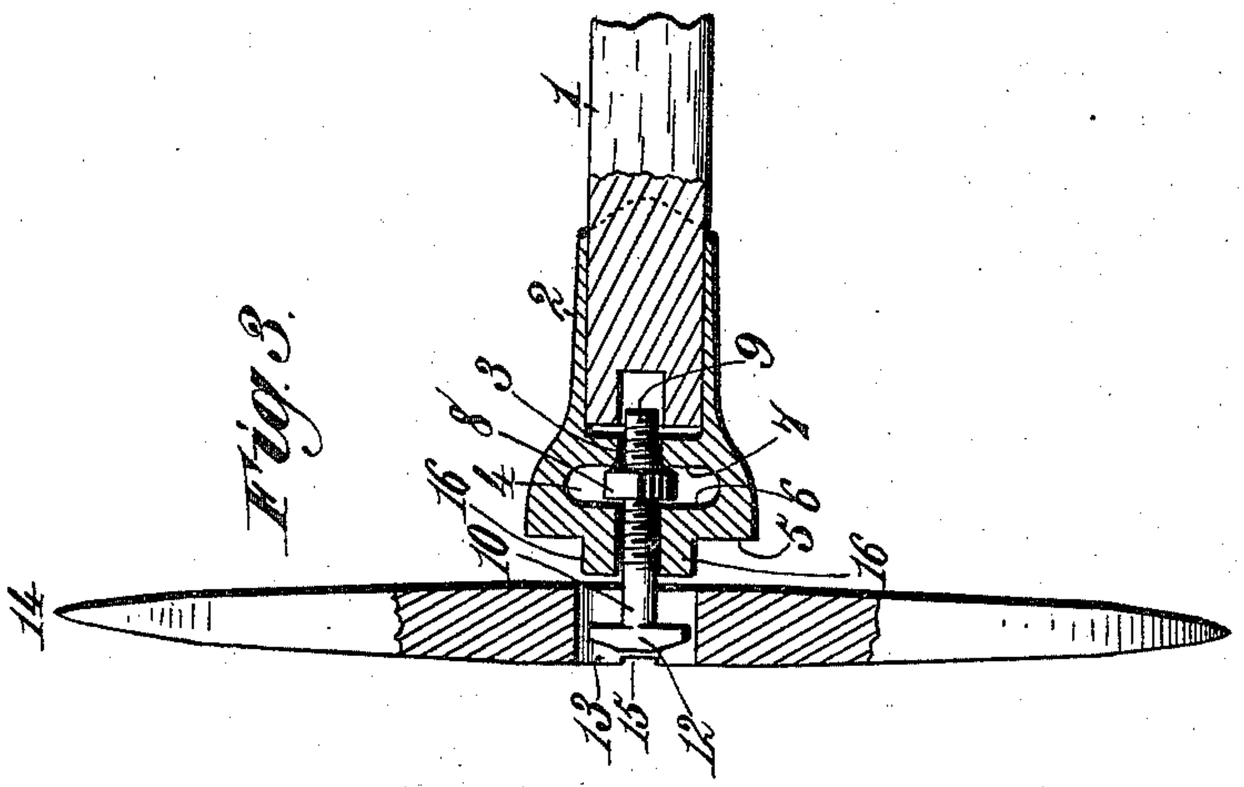



Fig. 2.

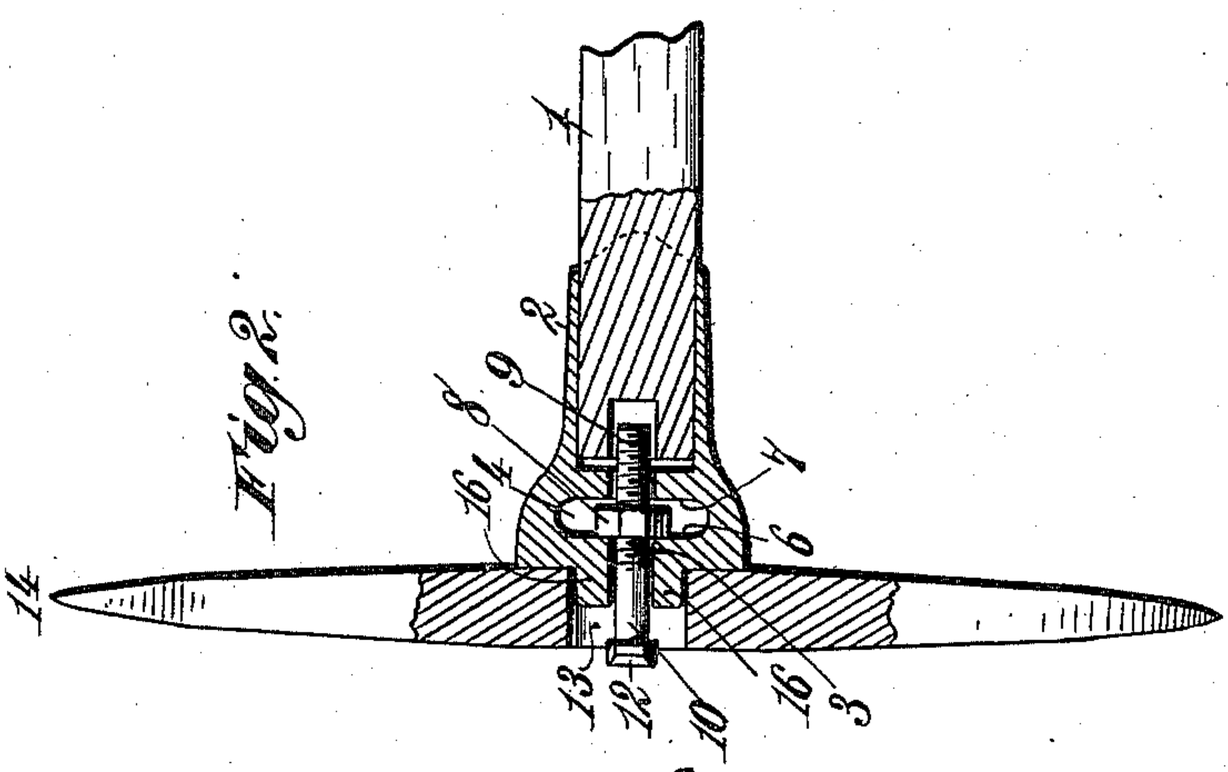
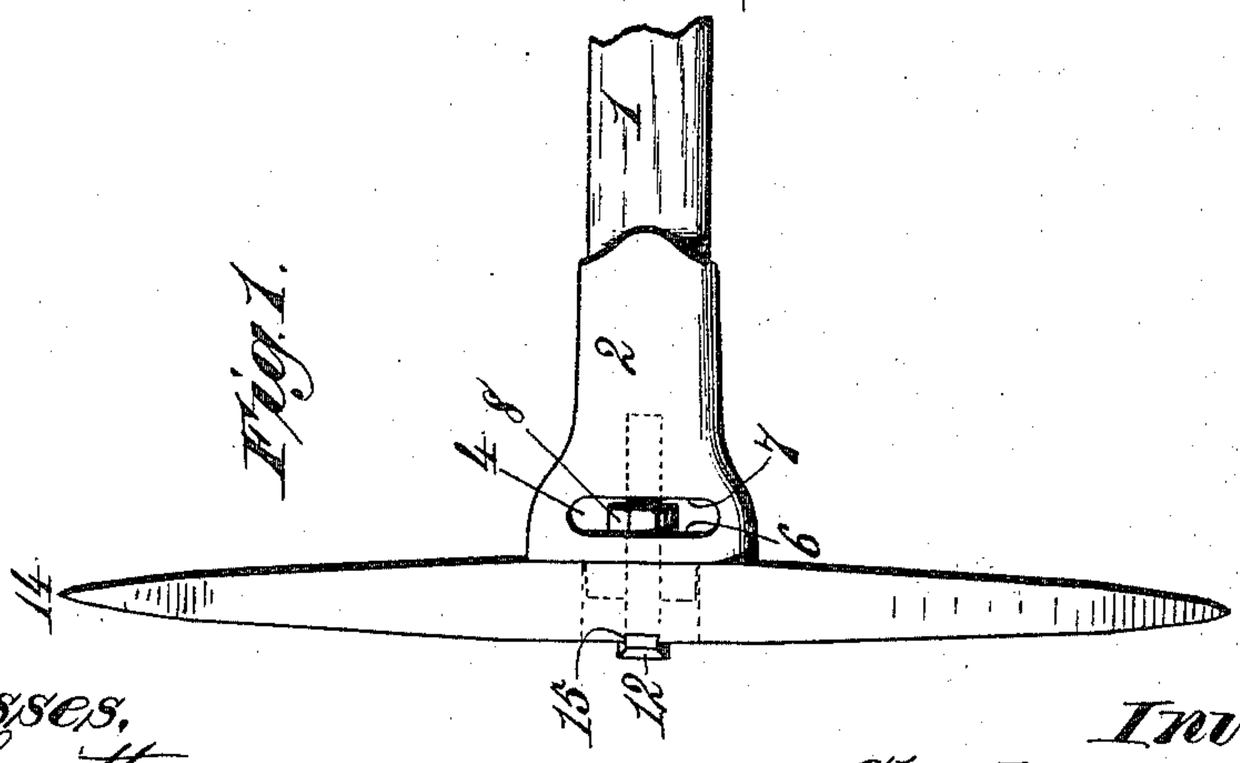



Fig. 1.

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# UNITED STATES PATENT OFFICE.

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## PICK.

SPECIFICATION forming part of Letters Patent No. 572,856, dated December 8, 1896.

Application filed May 7, 1896. Serial No. 590,549. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES E. BARKER, a citizen of the United States, residing at St. David, in the county of Fulton and State of Illinois, have invented new and useful Improvements in Picks, of which the following is a specification.

This invention has for its object to provide a pick and pick-handle with new and improved means for firmly and securely attaching the pick to the handle while rendering it possible to conveniently and quickly separate the parts, so that they can be packed in a comparatively small space for storage or transportation, and if one pick becomes damaged or useless enabling another pick to be readily substituted therefor, so that a single handle can be utilized in connection with a large number of picks.

To accomplish this object, my invention consists, essentially, in the combination with a pick having a central oblong eye provided at the sides with opposite notches, a metallic handle-socket having at one end projecting studs which enter the pick-eye, a longitudinal bolt-hole, and a transverse nut-receiving slot intersecting said bolt-hole, a rotary nut arranged in said slot between the inner and outer edges thereof and exposed at the sides of the slot, so that it can be readily grasped and rotated, and a separate bolt passing into the bolt-hole through said nut and provided at its outer end with a rigidly-fixed oblong head which in one position is adapted to pass through the pick-eye and in another position to span said pick-eye and enter the said opposite notches thereof.

The invention is illustrated by the accompanying drawings, in which—

Figure 1 is a side elevation of a pick constructed in accordance with my invention and showing the bolt tightened for the purpose of firmly attaching the pick to the handle. Fig. 2 is a sectional view of the same; and Fig. 3 is a view similar to Fig. 2, showing the bolt loosened and the pick in the act of being removed, while the bolt remains connected to the handle.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

The numeral 1 indicates a pick-handle, which is preferably made of wood, but which may be of any material and of any form or shape suitable for the purpose in hand.

The handle is provided at its outer end with a rigidly-attached metallic socket 2, into which the handle is inserted and secured in any desired manner. The metallic socket is formed centrally with a longitudinal bolt-hole 3 and a transversely-arranged slot 4, running at right angles to the longitudinal axis of the bolt-hole and intersecting the same. The slot 4 is formed in the socket at a point somewhat remote from the outer flattened face 5 of the socket, and thus the slot is bounded by inner and outer edges or walls 6 and 7, which serve as abutments for a rotary screw-threaded nut 8, arranged in the slot 4 and engaging the screw-threaded portion 9 of the shank of a bolt 10, which is adapted to move longitudinally in the longitudinal bolt-hole 3 if the nut is rotated and the bolt is held stationary or if the bolt is rotated and the nut is held stationary.

The outer end of the bolt 10 is constructed with an oblong or T-shaped head 12, adapted to pass through an oblong or elongated eye 13, formed centrally between the pointed extremities of a pick 14. The outer side of the eyed portion 13 of the pick is constructed with notches 15, one directly opposite the other, into which the ends of the oblong or T-shaped head 12 enter and fit when the bolt is tightened up for the purpose of clamping the pick against the flattened outer end or surface 5 of the metallic socket 2. The engagement of the oblong or T-shaped head 12 of the bolt 10 with the recessed portion 15 of the pick effectually prevents the bolt from rotating or turning axially when the nut is turned by a wrench or other suitable instrument to firmly and securely fasten the pick in operative connection with the pick-handle.

The eye 13 of the pick is oblong, or, rather, is of a length somewhat greater than its width, so that when the head of the bolt and the eye of the pick are coincident as regards their major axes the pick can be lifted off of

or removed from the bolt, while the latter remains connected with the pick-handle; and, conversely, the pick can be placed upon the bolt and the latter then turned until the major axis of the head 12 lies at right angles to the major axis of the eye 13, when the head of the bolt is adapted to enter the opposite notches 15, and by tightly screwing up the nut 8 the pick will be very rigidly clamped to the metallic socket of the pick-handle.

It is very desirable to prevent any rotary motion of the pick relatively to the pick-handle after the parts are connected together for practical use, and to accomplish this I cast or otherwise provide the outer end of the metallic socket 2 with outwardly-projecting lugs or studs 16, which lie at opposite sides of the bolt and are so shaped that they will enter the pick-eye when the latter is placed in position against the flattened outer end or face 5 of the metallic socket, so that when the bolt is tightened for the purpose of clamping the pick upon the socket of the pick-handle the lugs or studs 16 secure such an interlocking connection as will absolutely prevent any turning or shifting of the pick out of proper position relatively to the pick-handle.

When it is desired to detach the pick, it is only essential to slightly loosen the bolt by a few turns of the nut, when the bolt can be rotated to place the major axis of its head 12 in alinement or coincident with the major axis of the eye 13, whereupon the pick can be moved off of or detached from the bolt, while the latter remains connected with the metallic socket of the pick-handle.

When the pick is to be attached to the socket, it is only essential to place it over the bolt, so that the head of the latter passes through the eye, and then by turning the bolt until the major axis of its head lies at right angles to the major axis of the pick-eye and giving the screw-nut a few turns the head of the bolt will be clamped in engagement with the recess 15 of the pick for the purpose of firmly and securely attaching the parts together.

The screw-nut can be very conveniently operated by a wrench or other instrument for the purpose of tightening the nut to the required extent, but a person sufficiently strong can utilize his fingers alone in turning the nut to attach the pick.

The construction and arrangement of parts described and shown for detachably securing the pick to the pick-handle render it possible to detach the parts, so that they can be packed in a comparatively small space for storage or transportation.

Obviously if a pick becomes damaged or useless a new pick properly sharpened can be easily substituted therefor, and consequently a single pick-handle can be utilized with a large number of picks.

Having thus described my invention, what I claim is—

The combination of a pick having a central, oblong eye provided at the sides with opposite notches, a metallic handle-socket having at one end projecting studs which enter the pick-eye, a longitudinal bolt-hole, and a transverse nut-receiving slot intersecting said bolt-hole, a rotary nut arranged in said slot between the inner and outer edges thereof and exposed at the sides of the slot so that it can be readily grasped and rotated, and a separate bolt passing into the bolt-hole through said nut and provided at its outer end with a rigidly-fixed oblong head which in one position is adapted to pass through the pick-eye and in another position to span said pick-eye and enter the said opposite notches thereof, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES E. BARKER.

Witnesses:

FRED. G. WELLER,

DANIEL LEWIS.