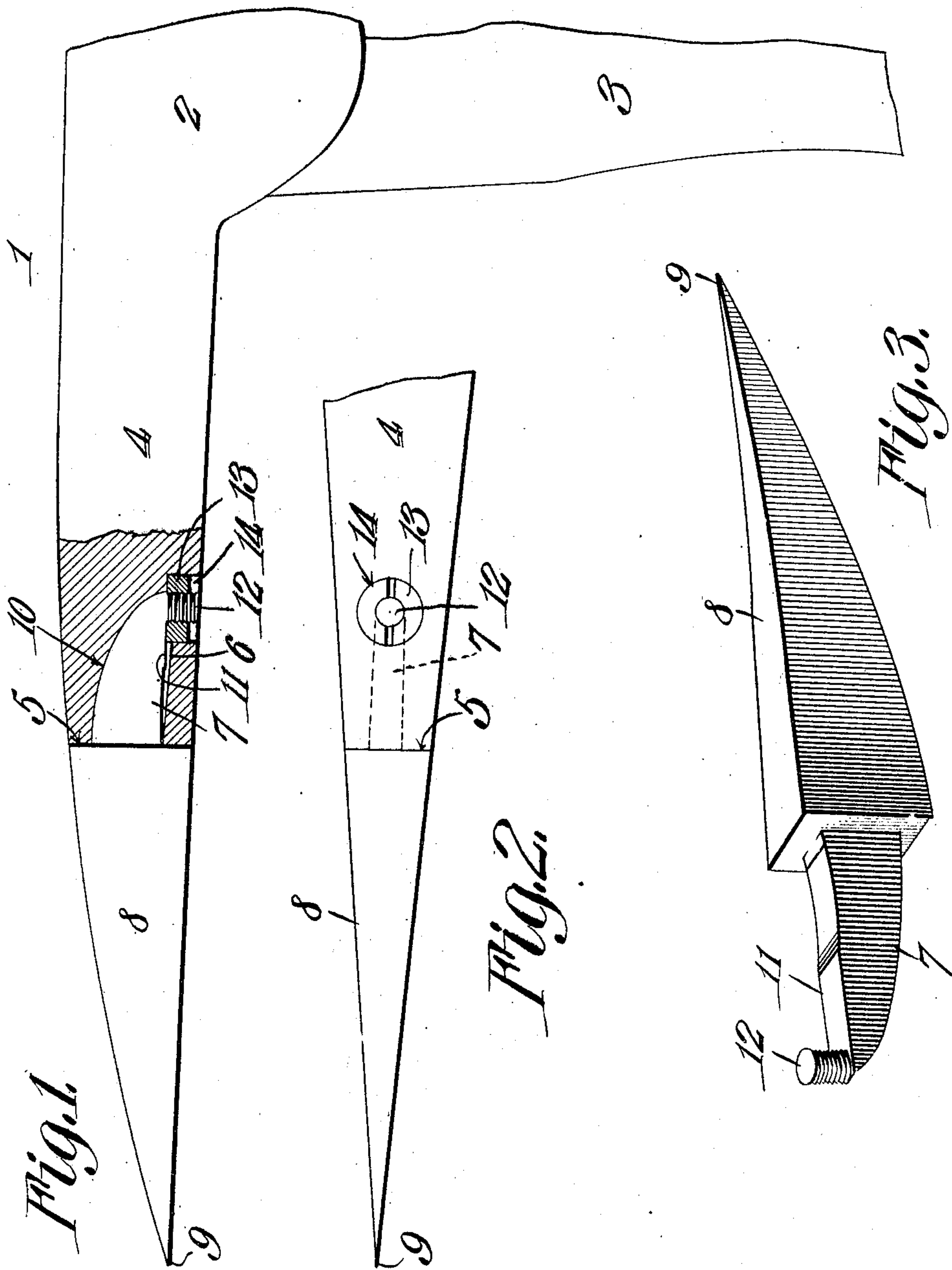


G. B. YEANEY.
 PICK.
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903,428.

Patented Nov. 10, 1908.



Witnesses

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UNITED STATES PATENT OFFICE.

GILLESPIE B. YEANEY, OF CLEARFIELD, PENNSYLVANIA.

PICK.

No. 903,428.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GILLESPIE B. YEANEY, a citizen of the United States, residing at Clearfield, in the county of Clearfield and State of Pennsylvania, have invented a new and useful Pick, of which the following is a specification.

This invention relates to picks designed more especially for the use of miners although applicable to picks of other types, and has for its object to provide a tool of this character with removable points which may be easily and quickly changed for points of different shape, or for sharp points when those in use have become dulled. To this end the arms of the pick have their ends socketed for the insertion of curved or tapering shanks on the removable points each shank provided with a threaded end for a nut seated in a depression formed in the inner side of the arm near its end.

With this object in view the invention consists of the construction and arrangement of parts hereinafter described and claimed and illustrated in the accompanying drawing, forming a part of this specification in which,—

Figure 1 is a side elevation of a portion of a pick partly broken away; Fig. 2, an elevation of the inner side of one of the pick arms showing the point attached; and Fig. 3 a perspective view of the point detached.

Similar reference numerals are used for the same parts in all the figures.

The numeral 1 indicates the pick head having the usual eye 2 for the handle 3 and oppositely extending arms 4, one arm only, however, being shown as the other arm is a mere duplication thereof. The end 5 of each arm 4 is made flat and perpendicularly disposed with relation to the axis of said arm.

Extending inwardly from the end 5 of the arm is a socket 6 for the shank 7 on the inner end of a removable point or bit 8 which may have a pointed, chisel-shaped or other form of working end 9. The shank 7 is preferably rectangular or other polygonal form in cross section and wider from within outwardly where it joins the point 8 than at its free end, its tapering shape being produced by curving the outer side 10. The lateral sides of the shank are substantially parallel from end to end as shown, while the inner side 11 is straight for about one half its length and slightly concave for the other

or upper half to make more easy the insertion and removal of the shank into and from the socket. Projecting at a right angle from the straight portion of the inner side 60 of the shank 7 and at the end of said shank is a short stud 12 exteriorly threaded for a nut 13 by means of which the point 8 is made fast to the arm of the pick.

Bored or otherwise formed in the inner 65 side of the pick arm 4 near its end 6 is a circular or other shaped depression 14, communicating with the bottom of the socket 6, into which depression the threaded stud 12 projects when the pick point 8 is in place. 70 As thus seated, the axis of the threaded stud is coincident with the axis of the depression 14 and perpendicular to the inner side of the arm 14. If the nut 13 be now screwed on the stem 12 until it is seated against the 75 base of the depression, the point 8 will be rigidly held in place. The inner side of the pick will present a smooth practically unbroken surface as the nut is preferably made circular, of the same diameter as the depres- 80 sion and its outer face as well as the end of the stud 12 are flush with the side of the arm. The outer face of the nut 13 may be slotted as shown or provided with perforations for a screw driver or wrench to rotate 85 the nut.

A pick thus constructed is simple cheap and serviceable as one pick only need be carried by a workman who, with a number of points which can be quickly attached to the 90 pick arms when necessary is ready at all times to operate on any class of material that may be encountered.

What is claimed is:—

1. A pick having a separable point provided with a shank of angular cross section, a curved side and an opposite side partly concave and partly straight with a threaded projection at a right angle therefrom, said shank being adapted to 100 be fitted in a socket of similar shape formed in the end of one of the arms of said pick and said threaded shank axially disposed in a depression in the side of said arm communicating with the socket 105 by an elongated opening, and a nut for said stud fitting said depression for securing the point on the pick, said outer face of the nut lying flush with the side of the pick arm.

2. A pick having a separable point provided with a shank of angular cross section, said shank having a convexly curved for-

ward side and an opposite side partly concave and partly straight, with a threaded stud projecting from the extreme end thereof at right angles to said straight portion, an
5 arm on said pick provided with a socket of a shape similar to said shank and having a recess on the rear thereof, extending over the sides and ends of the socket to form a shoulder and receive said threaded stud, and a nut

for said stud fitting said recess for securing 16 the point on the pick.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GILLESPIE B. YEANEY.

Witnesses:

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