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L. & M. KOVÁCS.

PICK AND POINT.

APPLICATION FILED SEPT. 25, 1903.

NO MODEL.

Fig. 1.

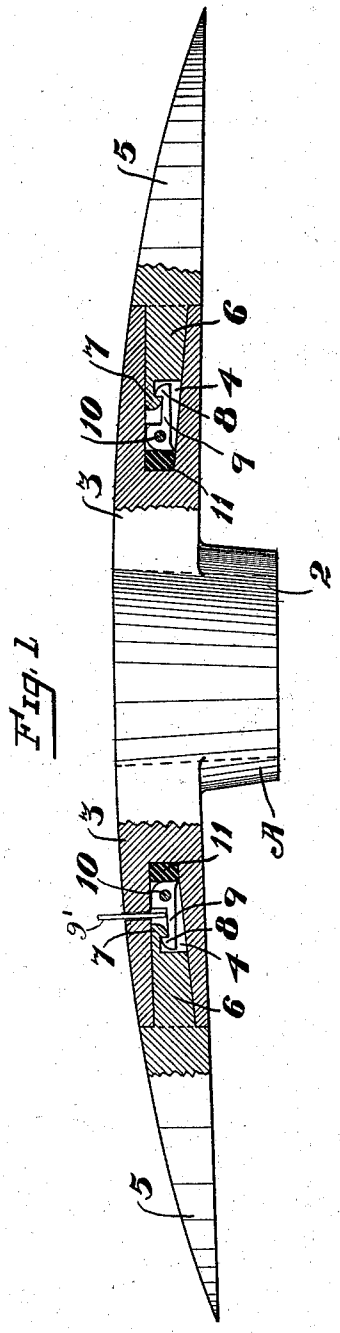
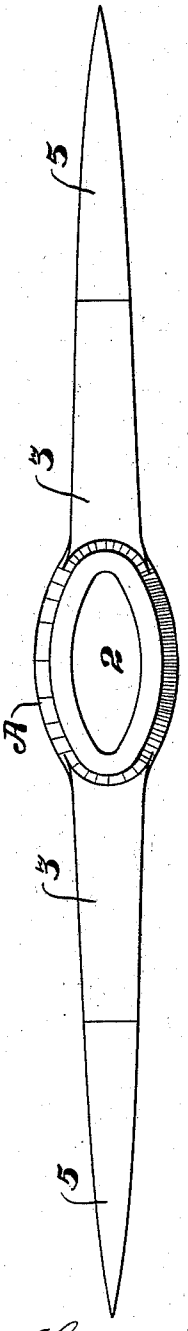


Fig. 2.



Witnesses,
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UNITED STATES PATENT OFFICE.

LAJOS KOVÁCS AND MIHÁLY KOVÁCS, OF SAN FRANCISCO, CALIFORNIA.

PICK AND POINT.

SPECIFICATION forming part of Letters Patent No. 757,206, dated April 12, 1904.

Application filed September 25, 1903. Serial No. 174,589. (No model.)

To all whom it may concern:

Be it known that we, LAJOS KOVÁCS and MIHÁLY KOVÁCS, citizens of Austria-Hungary, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Picks and Points, of which the following is a specification.

Our invention relates to improvements in picks and in the movable points therefor.

It consists in forming the body of the pick with short arms having sockets therein and pick-points having corresponding shanks which enter and fit the sockets. The inner ends of these shanks have a hook-shaped projection, and within each socket is fitted a pivoted lever having a hook at the outer end adapted to engage the hook of the shank of the pick-point. At the inner end of the sockets are elastic cushions which act against the hooked levers to cause them to engage the shank of the pick-points when the latter are introduced, and thus hold them in place without exterior fastening. In order to disengage them, a blow upon the pick opposite the back of the hook-lever will cause sufficient jar to disengage the hooks against the action of the elastic devices and allow the points to be removed.

Referring to the accompanying drawings, Figure 1 is a side view of the pick, partially broken away to show engaging members. Fig. 2 is a top view of pick.

For the purpose of renewing and repairing the wear of the points of picks which are subjected to the principal wear it is desirable to remove these points, and our invention is designed to provide a convenient and easy method for such removal and replacement.

As shown in the drawings, the head A has a socket for the handle, as shown at 2. Upon each side of this socket are the extensions 3, and these have tapering sockets 4 extending from the outer ends inwardly toward the central socket 2. The points 5 of the pick are shaped so as to form a proper continuation of the portions 3, and they have shanks 6, tapered so that they will fit snugly in the sockets 4. The inner ends of these shanks have catches 7 formed upon them and adapted to be engaged by similar catches 8, which are formed upon the end of levers 9, fulcrumed within the chamber 4, as shown at 10. The inner ends of these levers are flattened, as shown, and behind them are fitted the elastic blocks or springs 11. The tendency of these springs is to hold the levers 9 approximately central within the chambers 4 and with the beveled or curved latch ends in such position that when the shanks 6 of the pick-points are introduced the catches 7 upon the inner ends of these shanks will engage the latches 8 of the levers, and by compressing the springs or elastic blocks 11 the points of the levers will be temporarily forced out of line and to one side of the chambers in which they are pivoted, and thus allow the hook-shaped catches 7 to pass them. The elasticity of the springs 11 will then be sufficient to force the hooks 8 of the levers 9 into engagement with the catch 7, thus locking the pick-points firmly in place without other attachment.

Whenever it is desired to remove the pick-points, it may be done by striking the blows upon the inner side of the extension 3 and in line with the hook-lever. The jar caused by these blows will cause the longer arm of the lever to move backward, compressing the spring-lever slightly, and the hooks 7 and 8 will thus be disengaged sufficiently to allow the pick-point to be removed.

It will be understood that, if found more desirable, a hole might be made through the back of the pick transversely to the lever-arm 9 and by introducing a pin or other pressure device 9′ (shown at the left-hand side of Fig. 1) the lever-arm would be pushed so as to disengage the hooks; but we have found that by using a concussive force upon the pick the disengagement will always be easily effected.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination in a pick of a body portion having a handle-socket and extensions at each side thereof, said extensions having tapering rectangular sockets leading inwardly from the center of their outer ends, pick-points having centrally-located shanks adapted to fit said sockets, said shanks being pro-

vided with engaging catches and corresponding latches pivoted within and protected by the walls of the sockets and adapted to engage with the catches of the pick-point shanks.

2. The combination with a pick having an opening for the handle, arms extending in either direction therefrom, and having tapering internal sockets made in the outer ends, of pick-points adapted to form a continuation outwardly of said arms, said points having centrally-located shanks adapted to fit the sockets, hook-catches formed upon the inner ends of the pick-point shanks, levers fulcrumed between their ends in the chamber interior thereto having hooks or latches adapted to engage the catches of the pick-points and elastic springs pressing upon the inner ends of the levers and holding the points in engagement.

3. The combination in a pick of a body and handle portion, arms extending outwardly therefrom having rectangular sockets made in their ends, levers pivoted between their ends in said sockets having latches formed at the outer ends and elastic springs pressing endwise against the inner ends by which said latches are normally held substantially central within the sockets, pick-points having shanks fitting the sockets and hook-shaped catches on the inner ends of said shanks, said hooks being adapted to engage the latches of the levers by the yielding of the latter when the pick-points are seated.

4. The combination in a pick-point of a head having socketed extensions in opposite directions, hook-shaped levers fulcrumed between their ends and concealed in said extensions and elastic cushions against which the inner ends of the levers abut, pick-points having shanks adapted to fit the sockets of the body portion and hook-catches upon the inner ends which engage with the latches of the levers, and means by which said latches will be disengaged when it is desired to remove the pick-points.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

LAJOS KOVÁCS.
MIHÁLY KOVÁCS.

Witnesses:
S. H. NOURSE,
JESSIE C. BRODIE.