

No. 736,741.

PATENTED AUG. 18, 1903.

L. J. KLEMM.
GLAZIER'S TOOL.

APPLICATION FILED FEB. 4, 1903.

NO MODEL.

Fig.1.

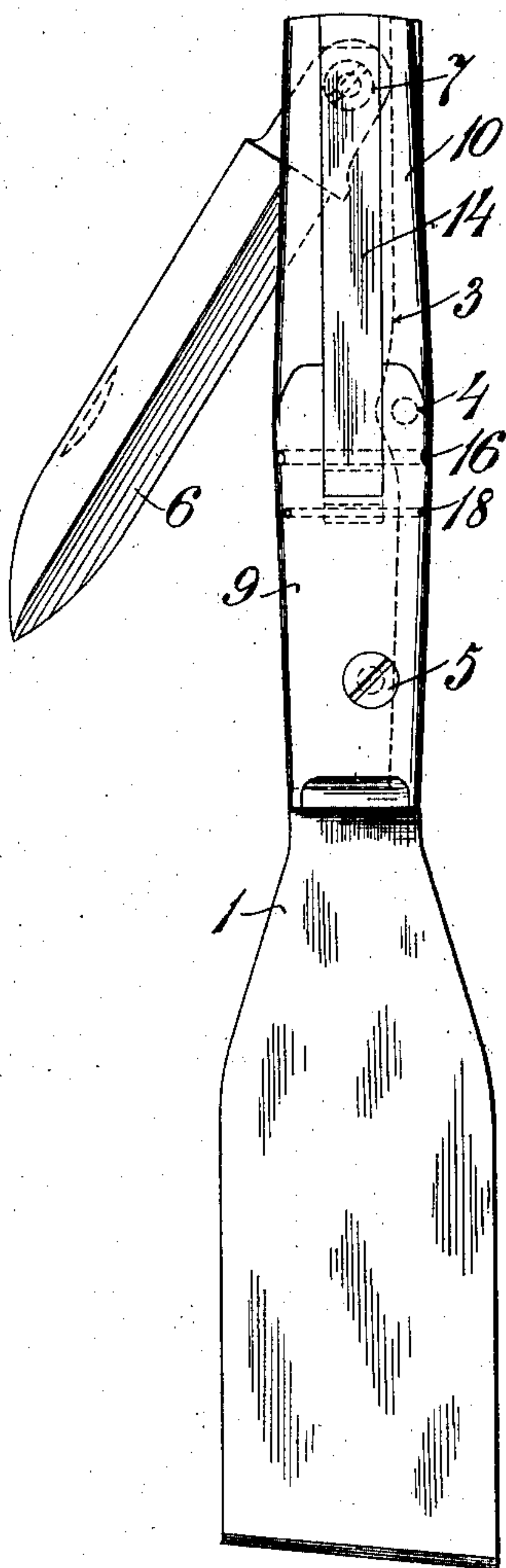


Fig.2.

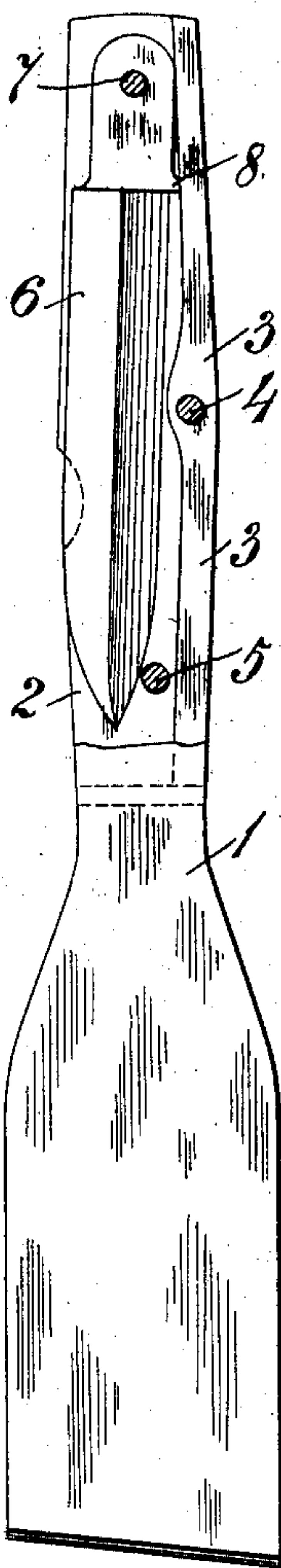


Fig.3.

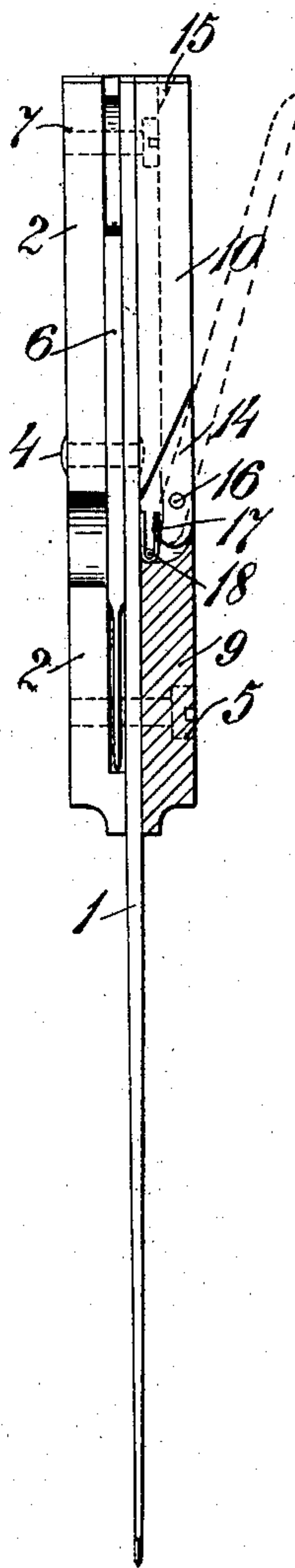


Fig.4.

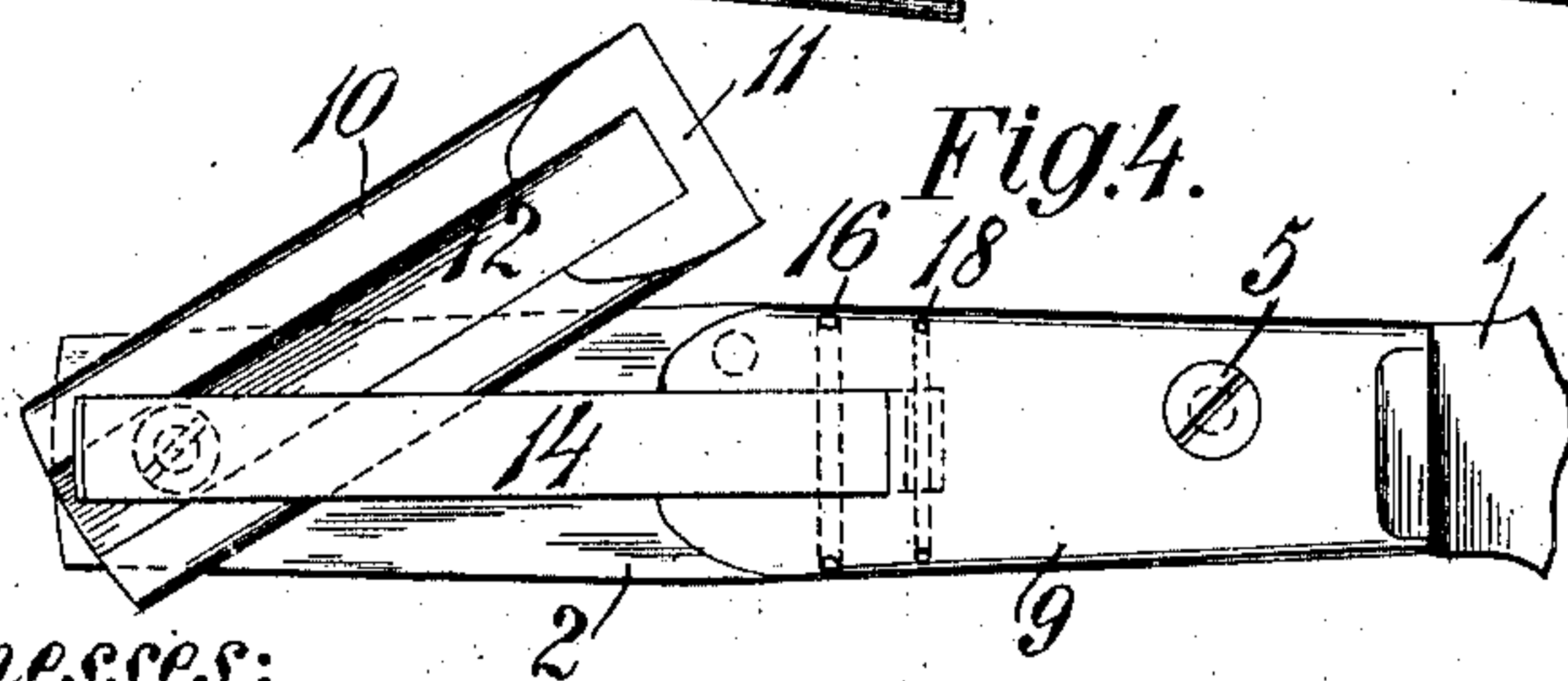
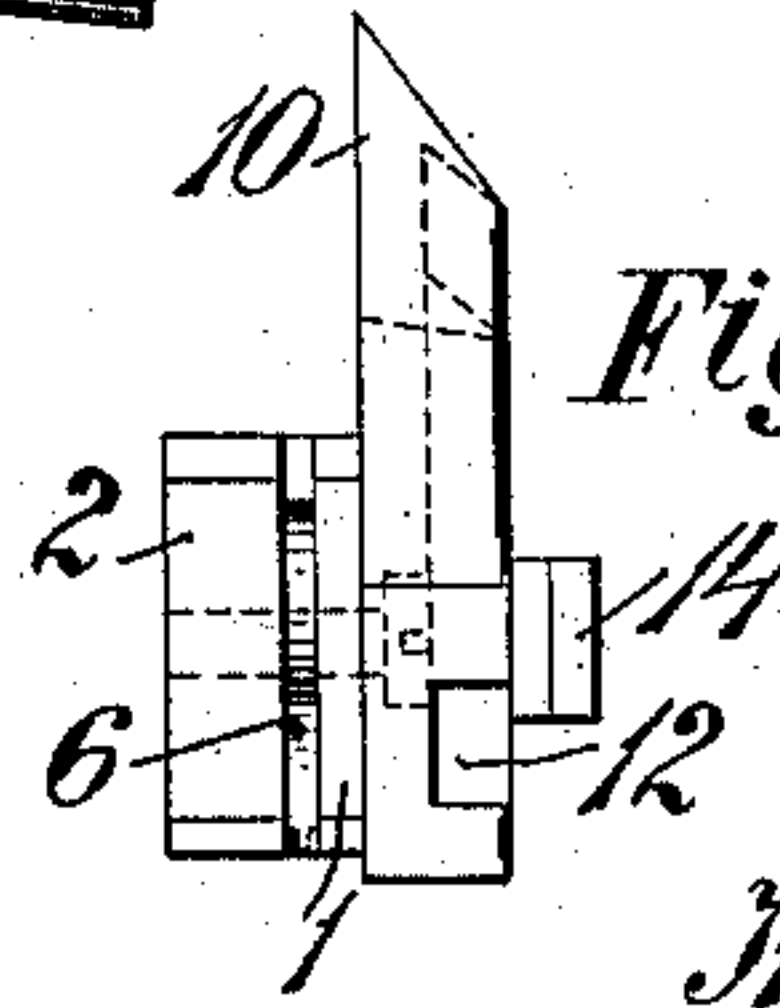


Fig.5.



Witnesses:

Handwritten signatures of witnesses: H. J. Klemm and C. E. Potter.

Inventor

L. J. Klemm.

by *H. C. Everett & Co.*

Attorneys.

UNITED STATES PATENT OFFICE.

LAWRENCE J. KLEMM, OF ALLEGHENY, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO E. J. ANDLER, OF ALLEGHENY, PENNSYLVANIA.

GLAZIER'S TOOL.

SPECIFICATION forming part of Letters Patent No. 736,741, dated August 18, 1903.

Application filed February 4, 1903. Serial No. 141,808. (No model.)

To all whom it may concern:

Be it known that I, LAWRENCE J. KLEMM, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Glaziers' Tools, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in glaziers' tools, and relates more particularly to an improvement in putty-knives, the invention having for its main object to construct a putty-knife having separate tools mounted in the handle thereof in such a manner that they may be operated so as to be brought into position for use and when not desired for use may be closed within the knife with one of said tools forming a part of the handle when in its closed position.

Briefly described, the invention comprises a handle which at one end carries the ordinary putty-knife blade. In this handle is mounted a combined chisel and hammer so arranged that it may be swung outwardly from the rear end of the handle and locked in the extended position for use. When this chisel and hammer is in the closed position, it forms a part of the handle and is locked in the extended or open position and in the closed position by the same locking means. Mounted in the opposite side of the handle is a knife-blade which is also adapted to be swung out toward the rear end of the handle, where the same may be used when desired.

My invention will be hereinafter more fully described and then specifically pointed out in the claims, and in describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

Figure 1 is a plan view of my improved glazier's tool, showing the knife-blade partially open. Fig. 2 is a like view of the reverse side of the tool, showing one side member or section of the handle removed. Fig. 3 is an edge view with a part of the handle in section, showing the locking-bar in outward

position. Fig. 4 is a plan view of the handle, showing the combined chisel and hammer partially opened. Fig. 5 is an end view of Fig. 4.

In the accompanying drawings, 1 indicates the blade of the putty-knife, which may be of the ordinary form employed in knives of this character. The shank of this blade is embraced by the two side members of the handle, the fastening means for said side members passing through said shank of the blade. I may in practice construct both sides of the handle of metal, or I may construct the one side thereof of wood or other material lighter than metal and the other side of metal. The side member 2 of the handle is made in one piece and is spaced away from the one side of the putty-knife shank by the knife-spring 3, secured to said knife-shank by the rivet 4 and by the securing-screw 5. In the space between the inner face of the member 2 and the one side of the knife-shank is mounted a knife-blade 6, carried on the screw or pin 7 and provided with the heel 8 for engagement with the knife-spring to limit the closing action of the knife-blade 6. This knife when opened out into alinement with the handle will be held by engagement against the spring 3. The opposite side of the handle is made in two members or sections, the member or section 9 being rigidly secured in position by the screws 5 while the member or section 10 is pivotally mounted on the screw or pin 7 and is adapted to swing on said pin or screw so as to be moved outwardly to the rear of the handle in position for use. This section or member 10 is provided with the beveled inner end 11, forming the chisel, and said section or member is provided throughout its upper face with a gain or groove 12, which is adapted to receive the spring-pressed locking-bar 14, which holds the member 10 both in the open and closed positions. This locking-bar 14 is provided on its under side at the outer end with a cut-away portion or notch 15, whereby to produce a finger-catch, by means of which the locking-bar may be elevated in order to permit the opening and closing movement of the member 10. The inner end of the section or member 9 is cut at an angle conforming to the beveled end of the section or member 10, whereby said ends will

match neatly together when the section or member is closed. The locking-bar 14 is pivotally mounted on a pin 16, extended through the section or member 9, and this bar is at all times under the tension of the spring 17, seated in the recess in the section or member 9, and which may, if desired, be held by the pin 18. The beveled outer end of the section or member 9 is bifurcated, whereby to receive the inner end of the locking-bar 14 and permit the same being pivoted by means of the pin 16. When the device is to be used as a putty-knife, both the chisel and the knife-blade are adapted to be closed within the handle, and when either of the other devices are to be used they may be opened outwardly to the rear of the handle into position for use. The chisel member 10 when in the closed position forms a part of the handle, and when in the open position it may be used not only for a chisel but as a hammer, which may be advantageously used for the driving of glaziers' points and the like.

To operate the chisel member, it is only necessary to elevate the outer end of the locking-bar so as to remove the same from the groove in the member 10, at which time the said member may be swung around either to the extended or to the closed position.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

1. A device of the type set forth comprising a blade, a handle comprising two side members, one of said side members consisting of a rigid part and a second part pivoted to the opposite side member, a pivoted locking-bar and a spring normally pressing upon said locking-bar, substantially as described.

2. A combination putty-knife and chisel, comprising a blade, a handle secured thereto, a pivoted member forming part of one side of said handle, two rigid members forming part of said handle, said pivoted member being secured to one of the rigid members and means

for holding the pivoted member in closed and open position, substantially as described.

3. A handle embodying two side members, one of said side members made in two parts one of which is rigidly affixed to the opposite side member, and the other of said members being pivoted to the opposite side member, and means for holding the pivoted side member or section in the open or closed position.

4. A handle consisting of a side member 2, and a member embodying sections or members 9 and 10, the section or member 9 rigidly secured to the section or member 2 and the section or member 10 pivoted to the section or member 2, said section or member 10 having a groove in its outer face, and a locking-bar carried by the member 9, for engagement in said groove, as and for the purpose described.

5. A device of the type set forth, comprising a knife-handle consisting of a pair of rigid side members secured together, a pivoted blade carried by one of said members, a pivoted member adapted to form a part of the side of said handle secured to one of the rigid members, a locking-bar for said pivoted member and spring means adapted to press against said bar, substantially as described.

6. A knife-handle made in three pieces two of which are rigidly secured together, and the other of which is pivoted to one of the rigid members, means for holding the pivoted member in the closed and opened position, and a knife-blade pivoted to one of the rigid members, substantially as described.

7. A knife-handle embodying a pair of rigid side members connected together, a knife-blade pivoted to one of said members, a pivoted chisel member, and a spring-pressed locking-bar for holding the chisel member in the extended and closed positions, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

LAWRENCE J. KLEMM.

Witnesses:

EDW. J. ANDLER,
A. M. WILSON.