

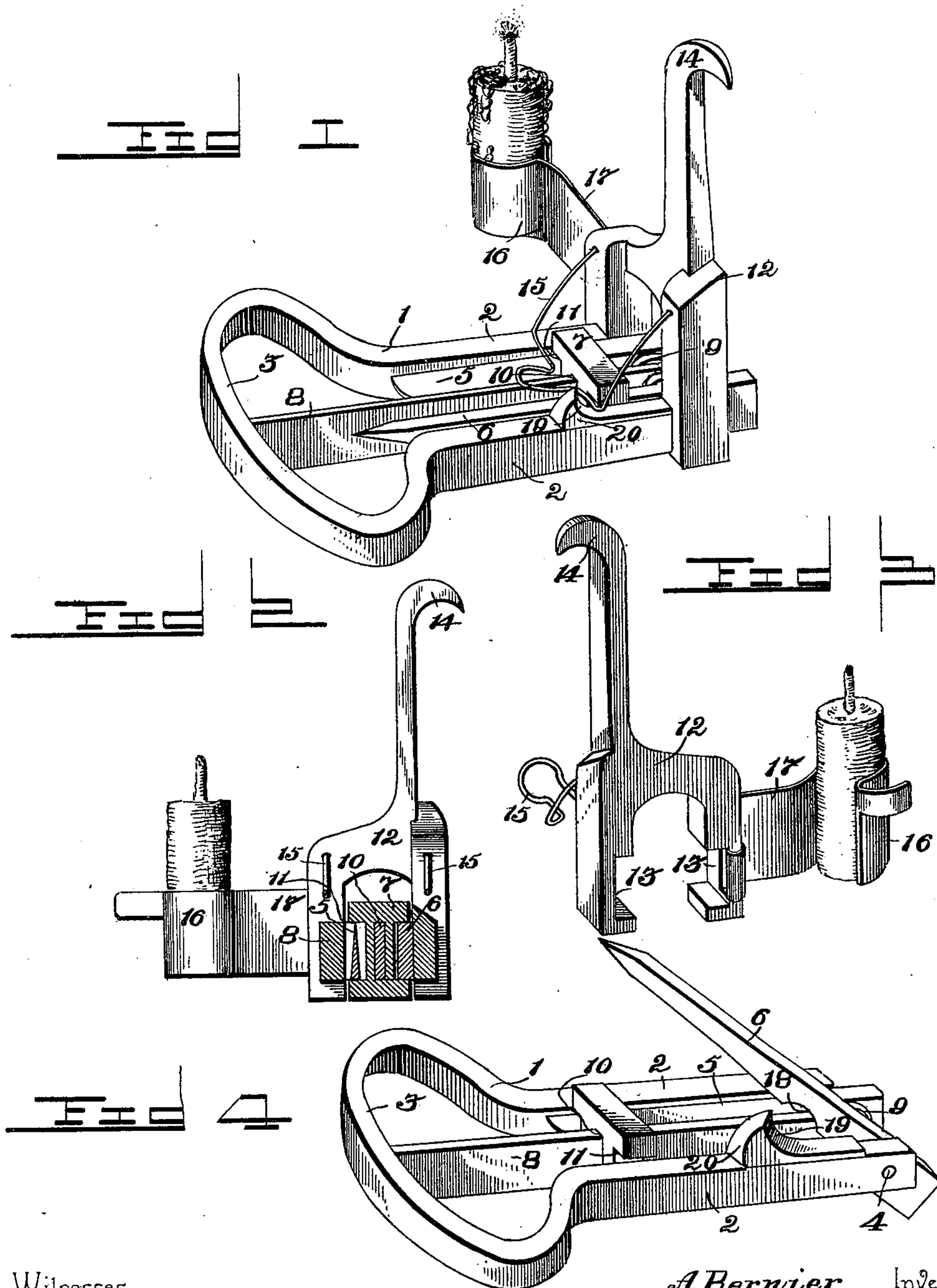
No. 631,270.

Patented Aug. 22, 1899.

A. BERNIER.  
COMBINED KNIFE AND CANDLESTICK.

(Application filed May 16, 1899.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

AMEDE BERNIER, OF VICTOR, COLORADO.

## COMBINED KNIFE AND CANDLESTICK.

SPECIFICATION forming part of Letters Patent No. 631,270, dated August 22, 1899.

Application filed May 16, 1899. Serial No. 717,071. (No model.)

*To all whom it may concern:*

Be it known that I, AMEDE BERNIER, a citizen of the United States, residing at Victor, in the county of El Paso and State of Colorado, have invented a new and useful Combined Knife and Candlestick, of which the following is a specification.

The invention relates to a combined knife and candlestick for miners' use.

The object of the present invention is to provide for miners' use a combined knife and candlestick of simple and economical construction adapted to be used as an ordinary knife and capable of supporting a candle and of securing the same to a wall or other support.

A further object of the invention is to enable the candle-holder to be separated from the knife and hung against a wall or timber to afford light while the knife is being used for cutting fuse-powder or a variety of other uses.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a combined knife and candlestick constructed in accordance with this invention. Fig. 2 is a transverse sectional view. Fig. 3 is a detail perspective view of the candle-support. Fig. 4 is a perspective view of the knife, the candle-holder being detached and the parts being arranged for clamping a cap on a fuse.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a handle provided with parallel sides 2 and having an enlarged portion or loop 3 to enable it to be readily grasped, and the outer ends of the parallel portions of the sides are connected by a transverse pivot 4, which secures a knife-blade 5 and a spike or tine 6 to the handle. The blade and the spike or tine are adapted to be folded within the handle, as illustrated in Figs. 1 and 2 of the accompanying drawings, and they are capable of being extended similar to a knife-blade, as shown in Fig. 4. The blade and the spike or tine are pivoted between their ends and are adapted when folded or extended to be en-

gaged by a slide 7, mounted on a central guide-bar 8, which is secured at its terminals to the inner end of the handle and to the pivot 4, spacing washers or collars being interposed between its outer end and the knife-blade and the tine or spike. The slide 7, which is provided with a central slot 10 to receive the guide bar or piece 8, is provided at opposite sides with recesses 11, which are adapted to receive and engage the knife-blade and the spike or tine. By this construction the slide 7 is adapted to be moved longitudinally of the guide bar or piece to engage it with and disengage it from the knife-blade and the spike or tine, and it is capable of locking the same rigidly in their folded or operative positions.

The outer portion of the handle is adapted to receive a substantially U-shaped frame 12, provided at opposite sides with recesses 13, formed in the inner walls of the said sides and adapted to receive the handle, as clearly shown in Fig. 1 of the accompanying drawings. The frame, which is provided at its top with a hook 14, is retained on the handle by a spring-catch 15, which engages the slide and which is constructed of a single piece of resilient material, such as wire, doubled or bent between its ends to form a tongue and offset to form substantially L-shaped sides. The sides are mounted on the frame, and the tongue engages the slide and serves to hold the latter in place and at the same time retain the frame on the handle. The tongue straddles the guide-bar, and the offset or shouldered portions of the catch will contact with the slide should the latter be moved inwardly along the guide-bar or the frame 12 be moved outwardly without first raising the catch. The frame carries a candle-holder 16, extending from one side of it and consisting of a substantially cylindrical clamp having an extension 17, the outer end of which is fitted to the frame 12. The hook 14, which extends vertically from the upper portion of the frame, is adapted to be hung against the wall or engaged with the timber when the frame is detached to support the candle to afford light while the knife is being used.

Either the knife-blade or the spike or tine may be extended without removing the frame by swinging it downward, the frame being



open at the bottom to permit the blade or the tine to pass through it, and the slide will lock one of the pivoted parts in its folded position and the other in an extended or operative position. When the tine is extended, it is adapted to be stuck into a wall or timber to support the candle.

The tine is provided with a beveled substantially semicircular recess 18, which when the parts are arranged as illustrated in Fig. 4 of the accompanying drawings is adapted to cooperate with a curved recess 19 of a lug or flange 20, which projects from the upper edge of one side of the handle. The tine or spike is beveled at its inner face, and the lug or flange is beveled at the outer face, and the two parts are adapted to be used as a pair of pliers for crimping or clamping a cap on a fuse. The lug or flange 20 also forms a stop against which the frame abuts when it is placed on the outer end of the handle.

The invention has the following advantages: The combined knife and candlestick, which is especially adapted for miners' use, is simple and comparatively inexpensive in construction. It is adapted to support a candle on a wall or timber, and the candle may be supported in such position when the candle-holder is mounted on the knife-handle or when it is detached therefrom. The resilient catch, which is carried by the frame, serves to retain the slide in engagement with the tine and the knife-blade, and it also operates to hold the frame on the handle. The knife is adapted to be used similar to an ordinary knife, and the tine, which may be employed for crimping or clamping caps on fuses, is adapted to be stuck into a wall or timber to support the device thereon. The hook, which extends upward from the frame, forms a part of the same and is adapted for attaching the candle-holder to a wall or timber when it is separated from the handle.

Changes in the form, proportion, size, and the minor details of construction within the scope of the appended claims may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

What is claimed is—

1. A device of the class described comprising a handle, the pivoted parts mounted within the handle, a slide arranged to lock the pivoted parts in their folded and extend-

ed positions, a frame mounted on the handle and carrying a candle-holder, and means for detachably connecting the frame and the slide, whereby both parts are held in position, substantially as described.

2. A device of the class described comprising a handle, a guide bar or piece mounted on the handle, a pivoted blade or device arranged adjacent to the guide-piece, and a slide mounted on the guide-piece and having portions adapted to engage the blade or device, substantially as described.

3. A device of the class described comprising a handle, a guide bar or piece mounted on the handle, a blade pivotally mounted at one side of the guide-piece, a pivoted tine located at the opposite side of the guide-piece, and a slide provided with recesses to receive the tine and the blade and having a slot or opening through which the guide-piece passes, whereby the slide is mounted thereon, substantially as described.

4. A device of the class described, comprising a handle having sides, and a lug or flange projecting from the upper edge of one of the sides and provided with a recess, a detachable frame mounted on the sides and contacting with the lug or flange, and a tine pivoted between the parallel sides of the handle and having a recess to cooperate with the recess of the lug or flange, substantially as set forth.

5. A device of the class described comprising a handle having a pivoted blade, a slide arranged to lock the blade, a removable frame carrying a candle-holder, and a resilient catch mounted on the frame and engaging the slide, substantially as described.

6. A device of the class described comprising a handle having a blade, a slide for locking the blade, a removable frame detachably interlocked with the handle, and a resilient catch mounted on the frame and comprising a tongue adapted to engage the slide, and sides connecting the tongue with the frame, substantially as described.

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

AMEDE BERNIER.

Witnesses:

H. C. BROWNELL,  
C. H. McCORMICK.