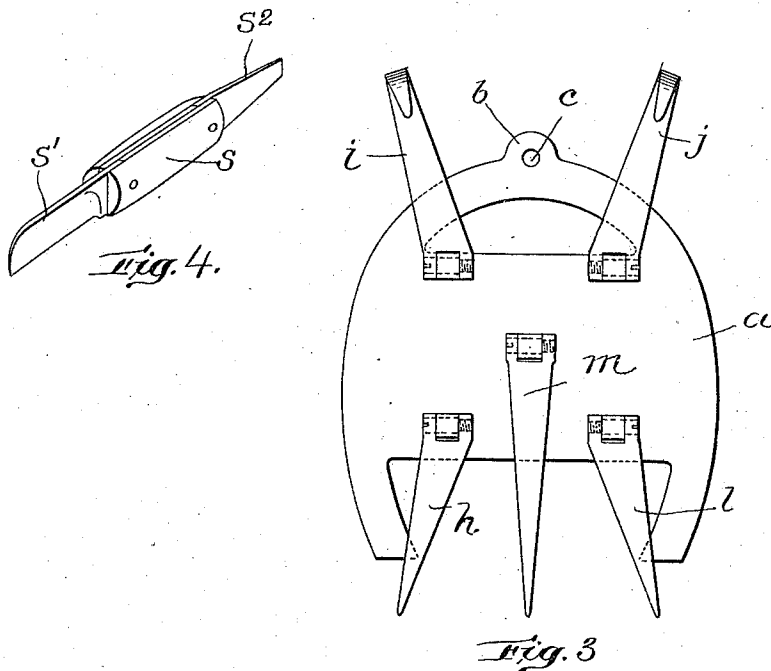
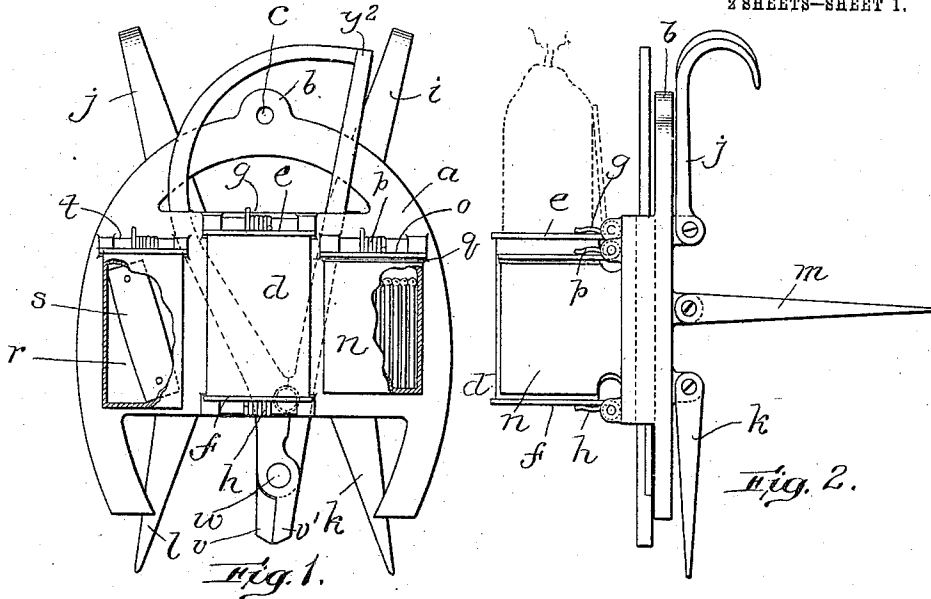


D. B. BEATON.
MINER'S CANDLESTICK.
APPLICATION FILED APR. 2, 1908.

965,500.

Patented July 26, 1910.

2 SHEETS—SHEET 1.



Witnesses:
A. C. Raligan
J. P. Richardson

Inventor:
Daniel B. Beaton
by Wright, Brown, Quincy & May
Attys.

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Fig. 5.

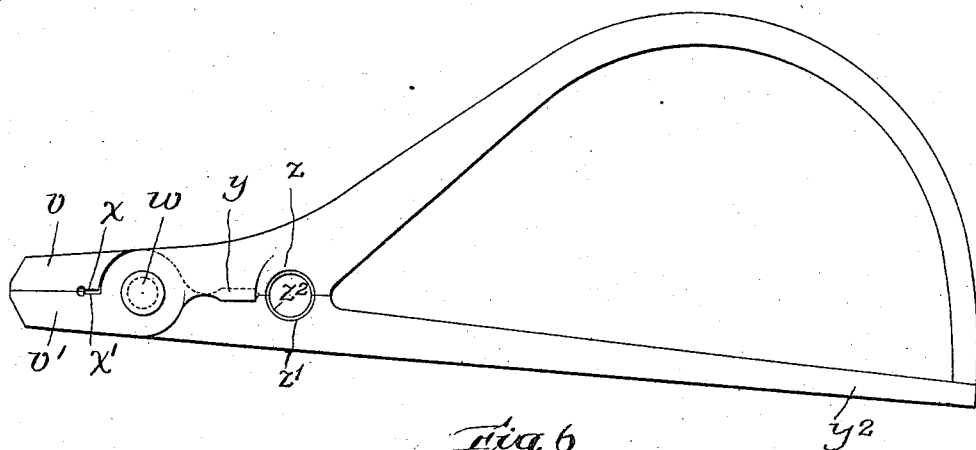
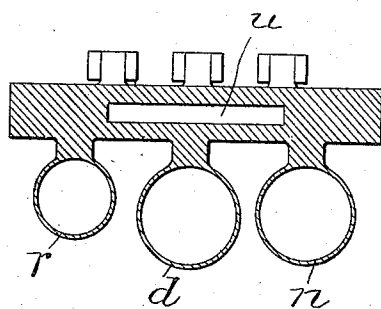


Fig. 6

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UNITED STATES PATENT OFFICE.

DANIEL B. BEATON, OF COTTONWOOD, BRITISH COLUMBIA, CANADA.

MINER'S CANDLESTICK.

965,500.

Specification of Letters Patent.

Patented July 26, 1910.

Application filed April 2, 1908. Serial No. 424,719.

To all whom it may concern:

Be it known that I, DANIEL B. BEATON, of Cottonwood, in the Province of British Columbia, Dominion of Canada, have invented certain new and useful Improvements in Miners' Candlesticks, of which the following is a specification.

The object of the present invention is to provide a miner's candlestick which shall not only be capable of holding a lighted candle, but may also carry matches in a damp-proof pocket, a knife, a screw-driver, and a combination pliers, wire and fuse cutter, nippers, and powder punch or rammer; and will be capable of being hung from a nail or from projecting knobs and crevices of a rock, or of being fastened to the side of a wooden beam or post.

Of the accompanying drawings, Figure 1 represents a front elevation of a candlestick and combination tool embodying my invention. Fig. 2 represents a side elevation of the same. Fig. 3 represents a rear elevation. Fig. 4 represents a perspective view of a combined knife and screw-driver capable of being carried and used with my invention. Fig. 5 represents a cross-section of the candlestick. Fig. 6 represents an elevation of the combined pliers, wire cutter, crimper and powder punch.

The same reference characters indicate the same parts in all the figures.

The device consists of a main frame *a* having a horseshoe shape and formed at its highest point with an ear *b* and an eye *c* by which it may be hung upon a nail. On the front of the frame is formed a candle-socket *d* having separable covers *e* and *f* at top and bottom to permit ready insertion of the candle. The covers are normally kept closed by springs *g* and *h*, the former of which holds the top cover against the side of a candle when one is in place, and causes the cover to snap down and extinguish the candle when it has been consumed. On the rear of the frame are spikes and hooks by which the candlestick may be held. The hooks *i* and *j* are near the upper end of the frame and are adapted to be hung over projecting excrescences or ledges of rock, while near the lower end of the frame are spikes *k* and *l*. At the center of the frame is a third spike *m*. These spikes are adapted to be forced into crevices in rock or into wooden beams so as to support the candlestick wherever may be most convenient. All of

the supporting devices are hinged to the frame so that they can be turned flat against it in order to take up as little space as possible. Also mounted upon the front face of the candlestick frame and beside the socket *d*, is a receptacle *n* to receive matches. This match-box has a cover *o* closed by a spring *p*, while between the cover and top edges of the box is a rubber gasket *q* to exclude moisture. A second box *r* on the opposite side of the candle-socket from the match-box is provided to hold tools or implements suitable for miner's use, such as a combined knife and screw-driver *s*. The latter, as appears from Fig. 4, has a knife blade *s'* and a screw-driver blade *s''*, both of which may be closed into the handle like the blades of an ordinary pocket knife. The box *r* is closed by a spring-cover *t*.

Back of the candle-socket is a space *u* in the frame for receiving another tool, such as the tool shown in Fig. 6. This combination tool has a pair of plier jaws *v v'* which are connected by a pivot *w* and which are extended on the other side of the pivot to form handles. On the jaws are formed wire-cutting edges *x* and *x'*. On the opposite side of the pivot from the plier jaws is formed a fuse cutter and splitter *y* and a crimper for clamping a cap upon the end of a fuse. This crimper consists of semi-circular recesses *z* and *z'* formed in the adjacent arms of the tool and having a narrow inwardly-projecting flange *z''*. The arms of the tool are extended to form handles, and one of them, *y''*, is formed straight so as to serve as a punch or rammer for tamping powder for a blast around the end of a fuse.

The device as a whole is very compact, and occupies a relatively small space, while the spikes and hooks enable the candle to be hung at any point where a light is needed, and the variety of tools connected with the device contain all those necessary for preparing a blast.

I claim:—

1. A miner's candlestick, consisting of a frame adapted to occupy a substantially vertical position when in use, a plurality of sockets on one side thereof, and a plurality of spikes on the other side thereof, said frame having a recess or socket in its interior between the sockets and spikes for the reception of a tool.

2. A miner's candlestick, consisting of a horseshoe-shaped frame adapted to occupy

- an approximately vertical position when in use, said frame having a thickened web extending across the central part thereof, which is slotted parallel to the plane of the
- 5 frame to provide a socket for receiving a tool, a candle socket, a match socket, and a tool socket united to the front side of said web, and hooks and spikes pivoted to the rear side of the web.
- 10 3. A miner's candlestick, consisting of a horseshoe-shaped frame adapted to occupy an approximately vertical position when in use, said frame having a web extending horizontally across the central part thereof,
- 15 hooks pivoted to the upper rear edge of said web, spikes pivoted to the web near its lower rear edge, and sockets to hold a candle, matches and implements formed integrally upon the front side of the web.
- 20 4. A miner's candlestick, consisting of a frame adapted to occupy an approximately vertical position when in use, said frame having a web extending horizontally across the central part thereof, a hook pivoted to
- 25 the upper rear edge of said web, a spike pivoted centrally to the rear surface of the

web, and a candle socket united rigidly to the front of the web, said socket having a cover arranged to close when the candle is burned away.

30 5. A miner's candlestick consisting of a frame adapted to occupy a substantially vertical position in use, having an eye at its highest point whereby it may be hung from a nail, a candle-socket on the front of the

35 frame, a spike centrally secured to the back of the frame, and hooks attached to the upper part of the frame, said spike and hooks being hinged to permit them to be closed against the frame.

40 6. A miner's candlestick consisting of a frame having a recess between its front and rear surfaces adapted to receive a combination tool, a spike hinged to the rear of the frame, and a candle-socket secured to the

45 front of the frame.

In testimony whereof I have affixed my signature, in presence of two witnesses.

DANIEL B. BEATON.

Witnesses:

A. J. HARPER,
JOHN POMEROY.