

T. GOSSACK.
CANDLESTICK.
APPLICATION FILED JAN. 29, 1908.

912,113.

Patented Feb. 9, 1909.

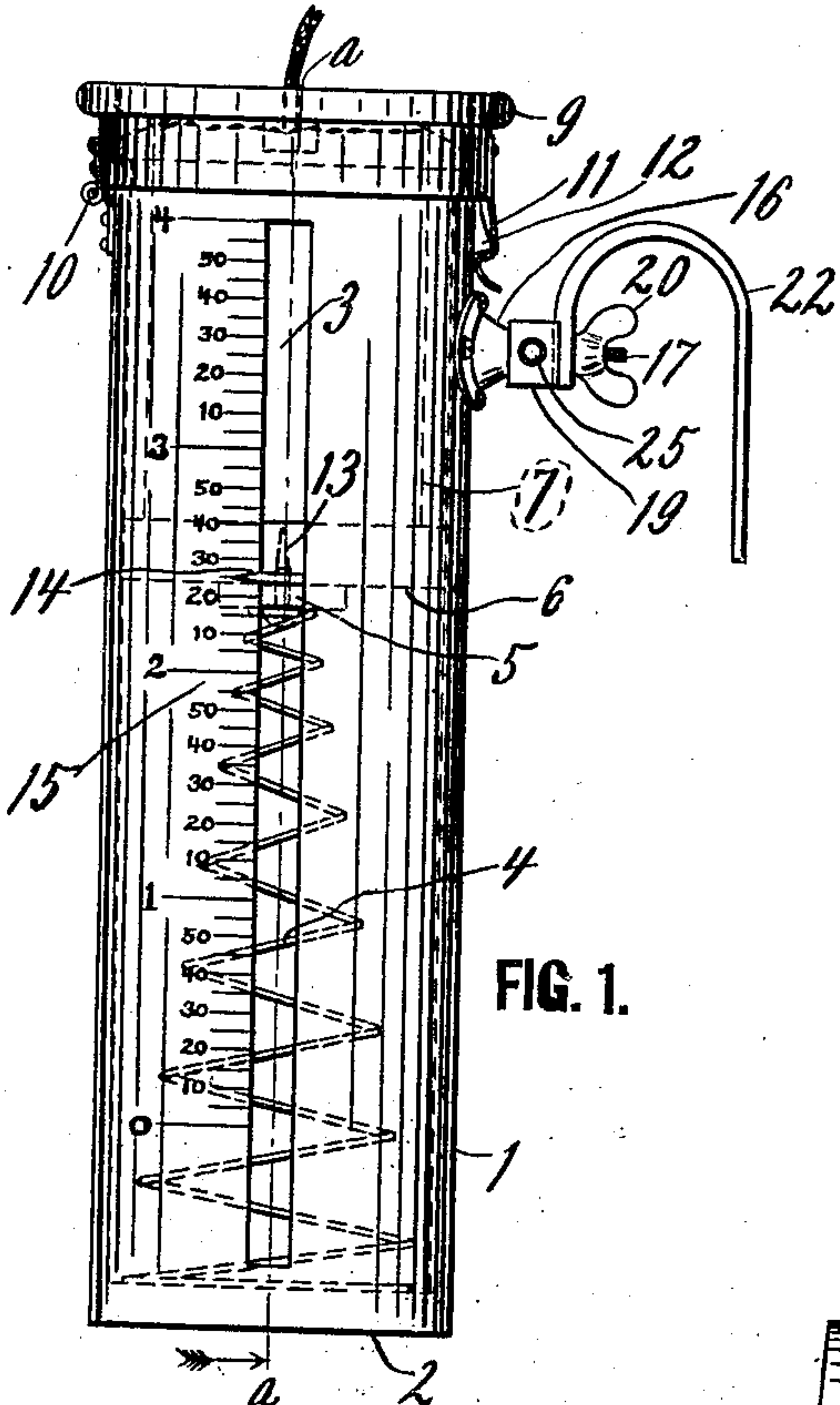


FIG. 1.

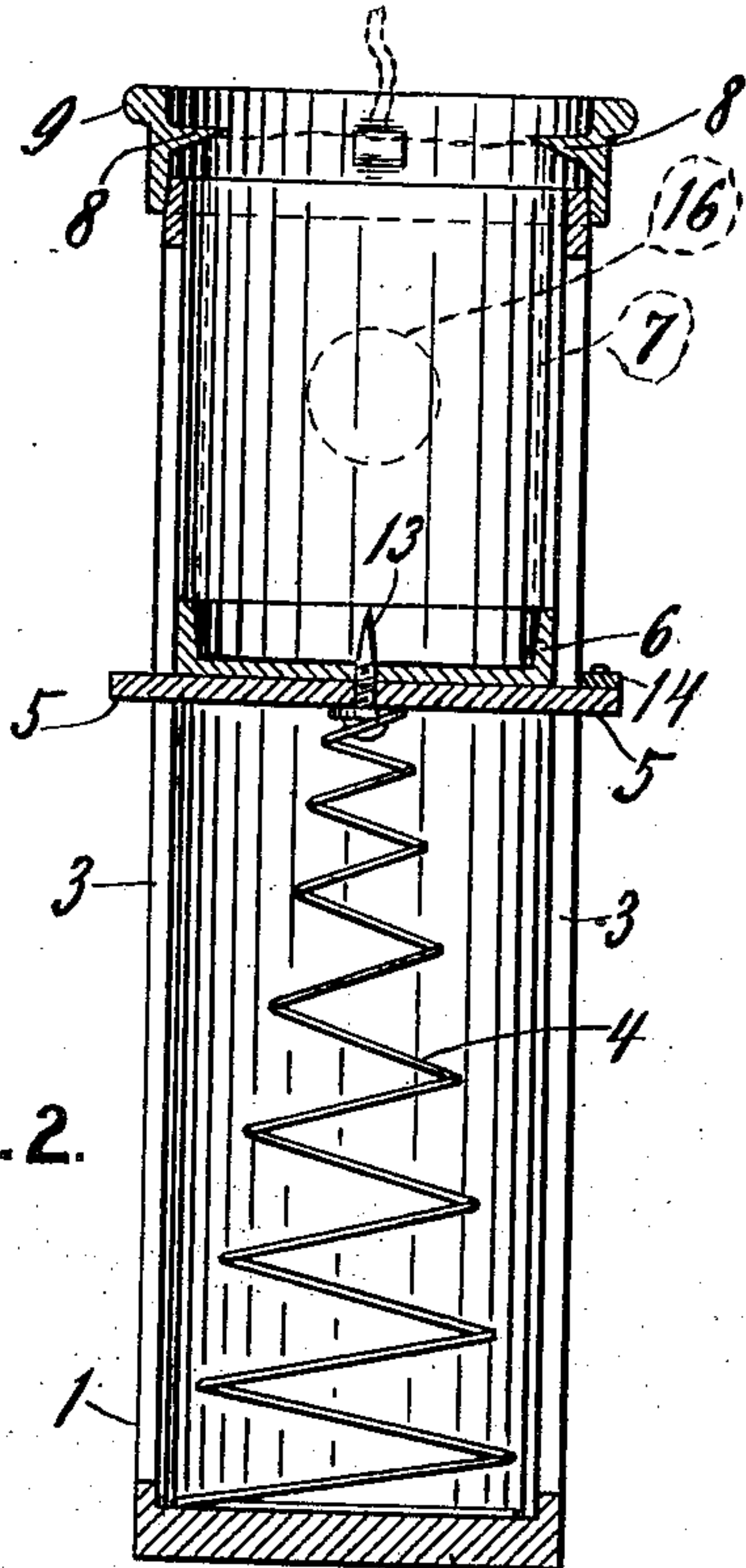


FIG. 2.

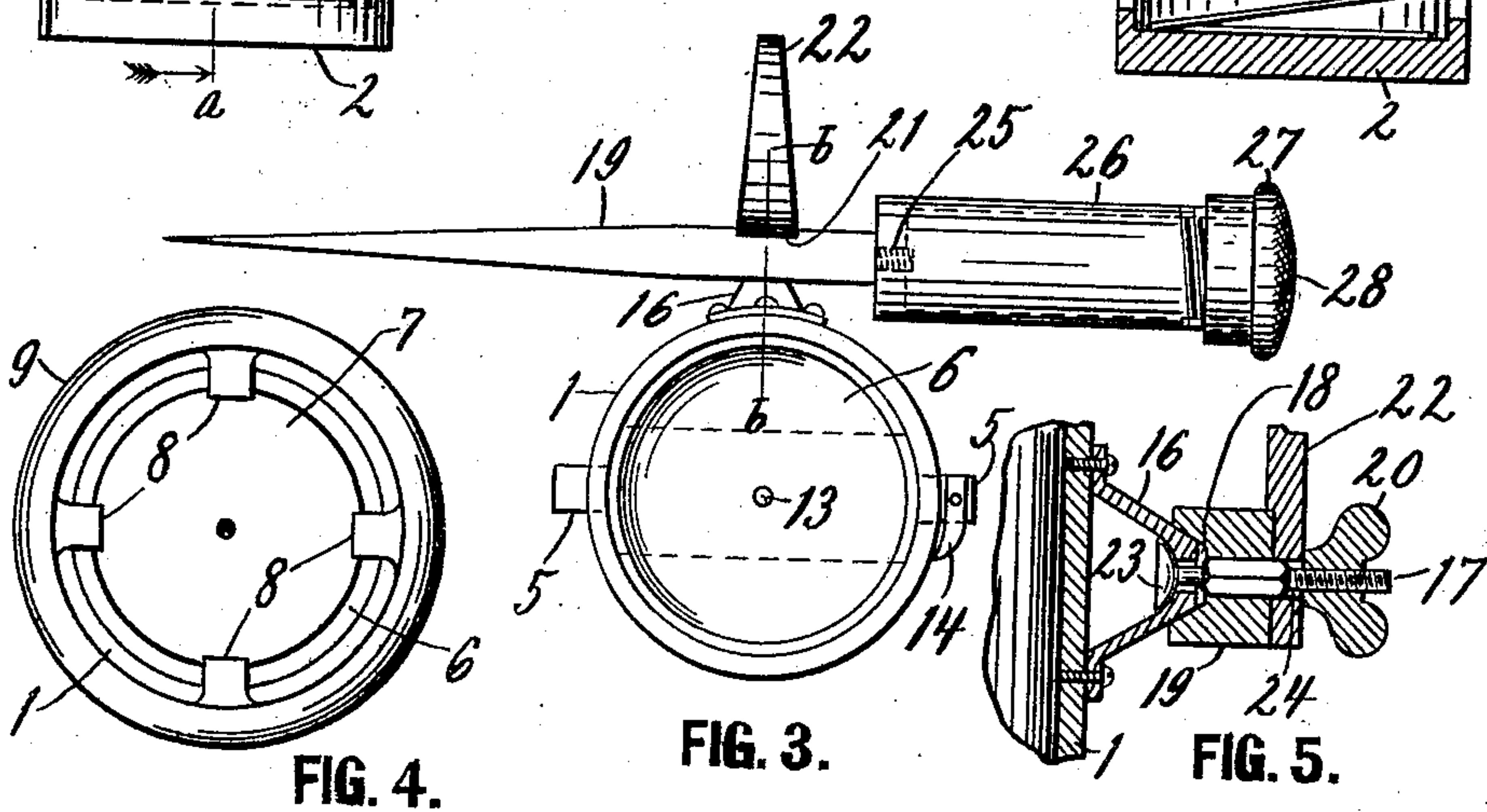


FIG. 3.

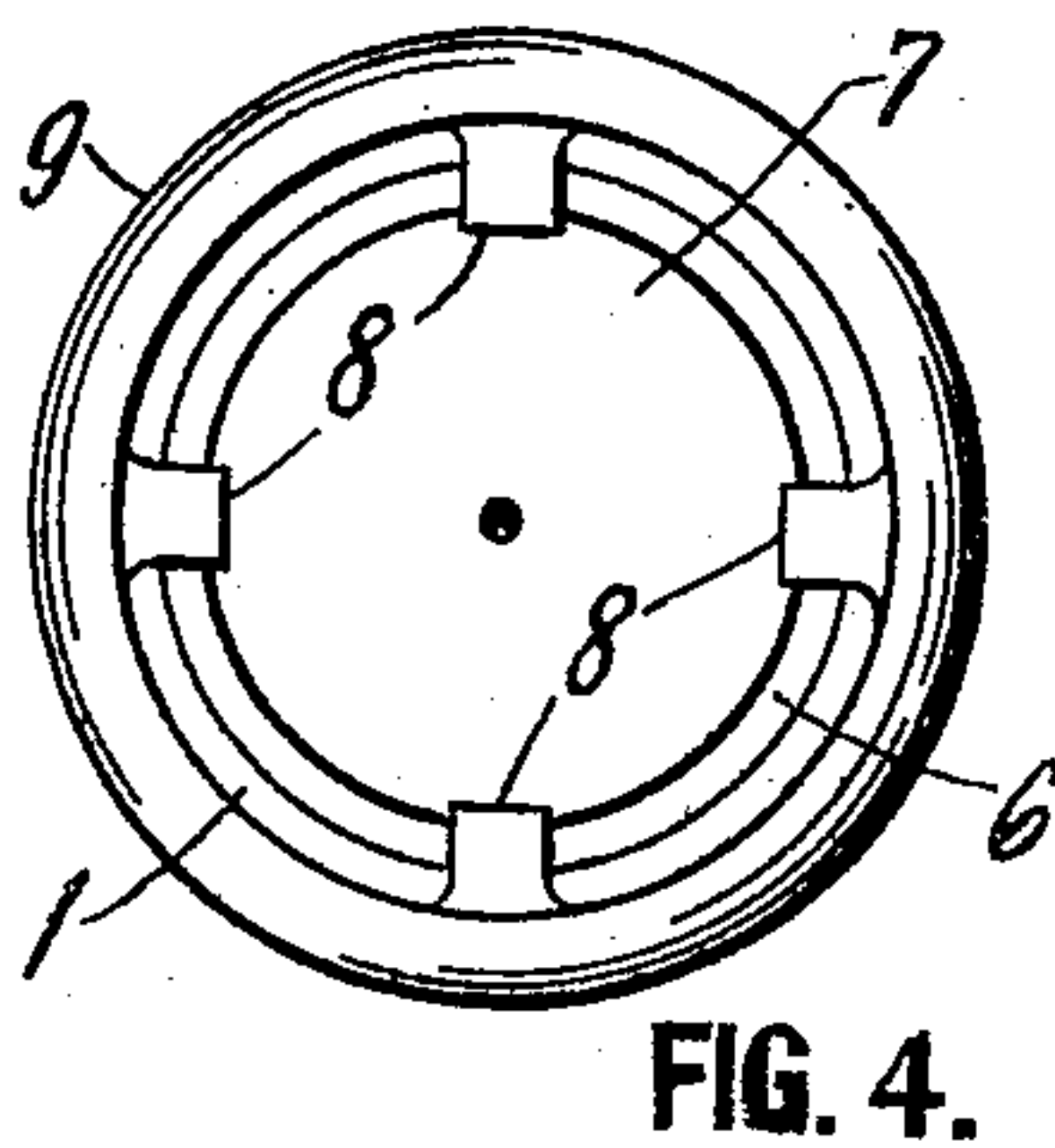


FIG. 4.

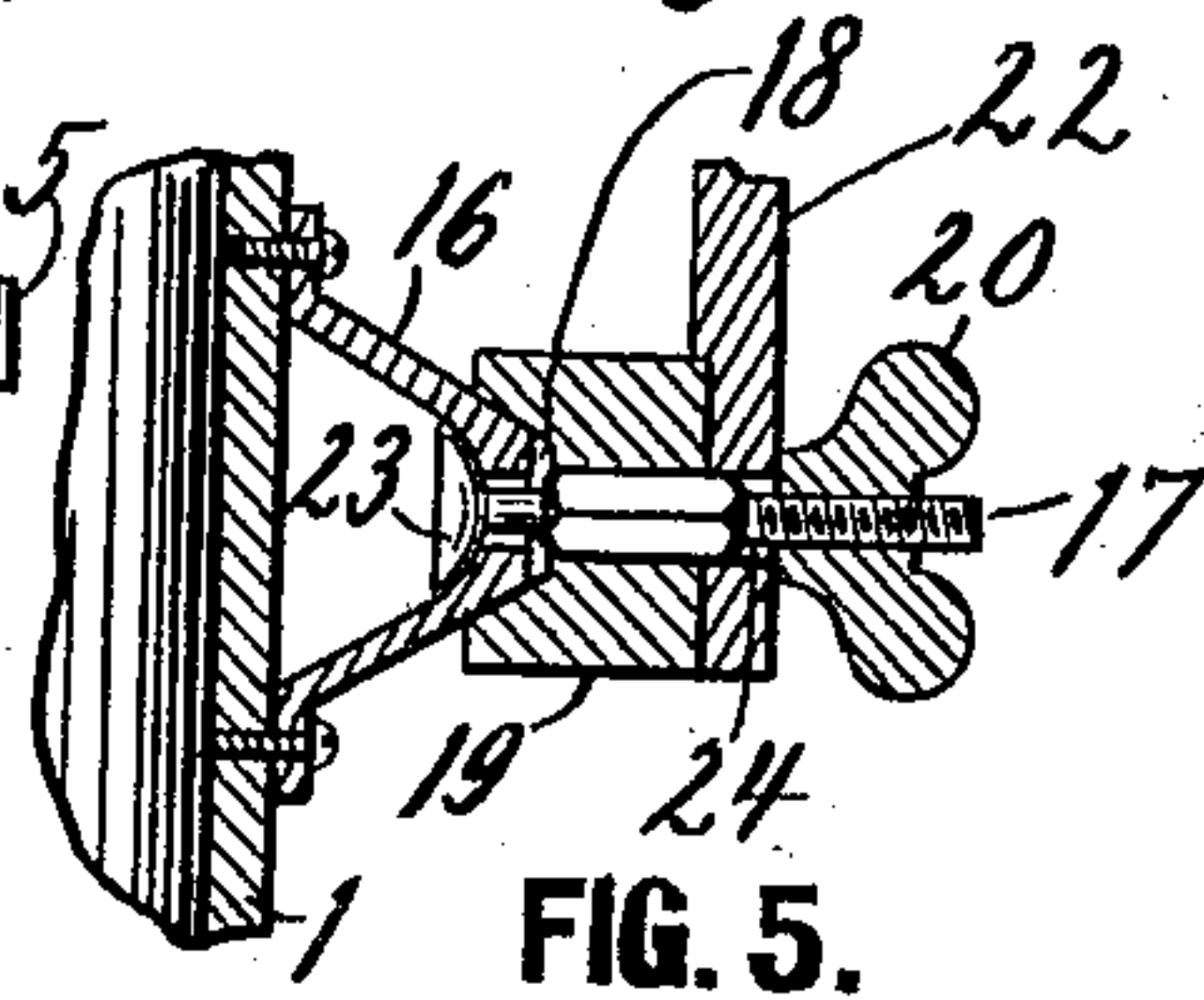


FIG. 5.

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UNITED STATES PATENT OFFICE.

THOMAS GOSSACK, OF TAFT, MONTANA.

CANDLESTICK.

No. 912,113.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed January 29, 1908. Serial No. 413,326.

To all whom it may concern:

Be it known that I, THOMAS GOSSACK, a citizen of the United States, residing at Taft, in the county of Missoula and State of Montana, have invented a new and useful Candlestick, of which the following is a specification.

My invention relates to improvements in candle-sticks, and the object is to provide a combined candle-stick, match box and time-indicating device especially adapted for use by miners.

In the accompanying drawing Figure 1 is a side elevation of my invention with the match box removed. Fig. 2 is a vertical central section on the line *a-a* in Fig. 1, with the candle in dotted lines. Fig. 3 is a top view of Fig. 1 with the candle-retaining top ring and the candle removed and the match box restored. Fig. 4 is a top end view of Fig. 1 minus the hook and stud at the side thereof. Fig. 5 is an enlarged sectional view on the line *b b* in Fig. 3.

Referring to the drawing by reference numerals, 1 is a cylindrical shell or tube with bottom 2 and two diametrically opposite vertical slots 3. In said cylinder stands a normally expanded coil spring 4, upon which rests a cross bar 5, whose ends project out of the slots 3; and upon said bar is supported a pan 6, in which the lower end of the candle 7 is supported, so that the spring tends at all times to feed the candle upward as fast as it burns. The unburned part is resisted by fingers 8 of ring 9, which is hinged to the shell of the candle stick at 10 and has its opposite edge held down by a spring catch 11 engaging a lug 12 on the tube or shell, so that the ring 9 may be swung upward on its hinge when a new candle is to be inserted and when the pan 6 is to be removed and cleaned.

13 is a prong holding the bar 5 to the spring and holding the pan in central position. It may also engage the lower end of a candle that is too small to be guided into central position by the pan.

Secured to one end of the bar 5 is a pointer 14, which indicates upon an upwardly increasing scale 15 of hours and minutes provided upon the tube near one of its slots, how many hours and minutes the candle has been burning, so that by lighting the candle at a certain hour the miner may for about four hours be able to use his candle stick as a time piece, which is a great advantage in

mines. When one candle is burned out he replaces it with a new one and thus starts on the next four hours, as the spring is compressed by the fresh candle. The candles may for said purpose of time-keeping be made thick enough to burn only so fast, or if market candles be used the tube of the candle-stick is made long enough to make the scale correspond to the speed with which the candle is shortened by the fire at its top.

At one side of the tube is provided a hollow stud or bracket 16, upon the end of which is by a bolt 17 and a thumb nut 20 held a side cavity 18 of a peg 19 adapted to be pressed or stuck into wooden posts or like objects to support the device. In a transverse notch 21, at the outer side of the peg is held by said bolt a hook 22 by which the device may be attached to the miner's hat or cap. It will be observed that the bolt 17 has a round portion 23 near its head very loosely fitted in the bracket 16, and it also has a round portion 24 loosely fitted in the hook 22 so that the candle-stick may freely adjust itself, or at least be adjusted to a plumb position.

Upon a screw-threaded stem 25 at the thick end of the prong 19 is secured the bottom end of a combined handle and match box 26, which is closed by a screw-threaded cover 27, having a roughened surface 28 for scratching matches on to ignite them. The cap also provides a surface for the hand to strike on when the point of the peg is to be struck into woodwork.

The pan 6 fits the tube 1 and is deep so as to prevent melted tallow from running down into the tube.

Having thus described my invention, what I claim is:

In a candle-stick, the combination with a candle-holding tube having bottom and slots in two opposite sides, of a coiled spring standing on the bottom, a cross piece secured to the upper end of the spring and projecting with its ends out of the slots, a pan snugly fitted in the tube and resting on the cross piece so as to be moved by it, a peg in the middle of the pan adapted to engage the lower end of the candle to hold it centrally in the pan, a supporting peg swivel-jointed to the tube near the upper end thereof, a combined handle and match box secured at its bottom to the butt end of the supporting peg and having at its other end a cover which

may be struck or pressed when the peg is to
be thrust into a post or other object, said
cover being roughened to serve as an igniter
for the matches, means for limiting the up-
5 ward movement of the candle, and means
for indicating the speed at which the candle
moves.

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

THOMAS GOSSACK.

Witnesses:

JOSEPH JANY,
W. L. MURRAY.