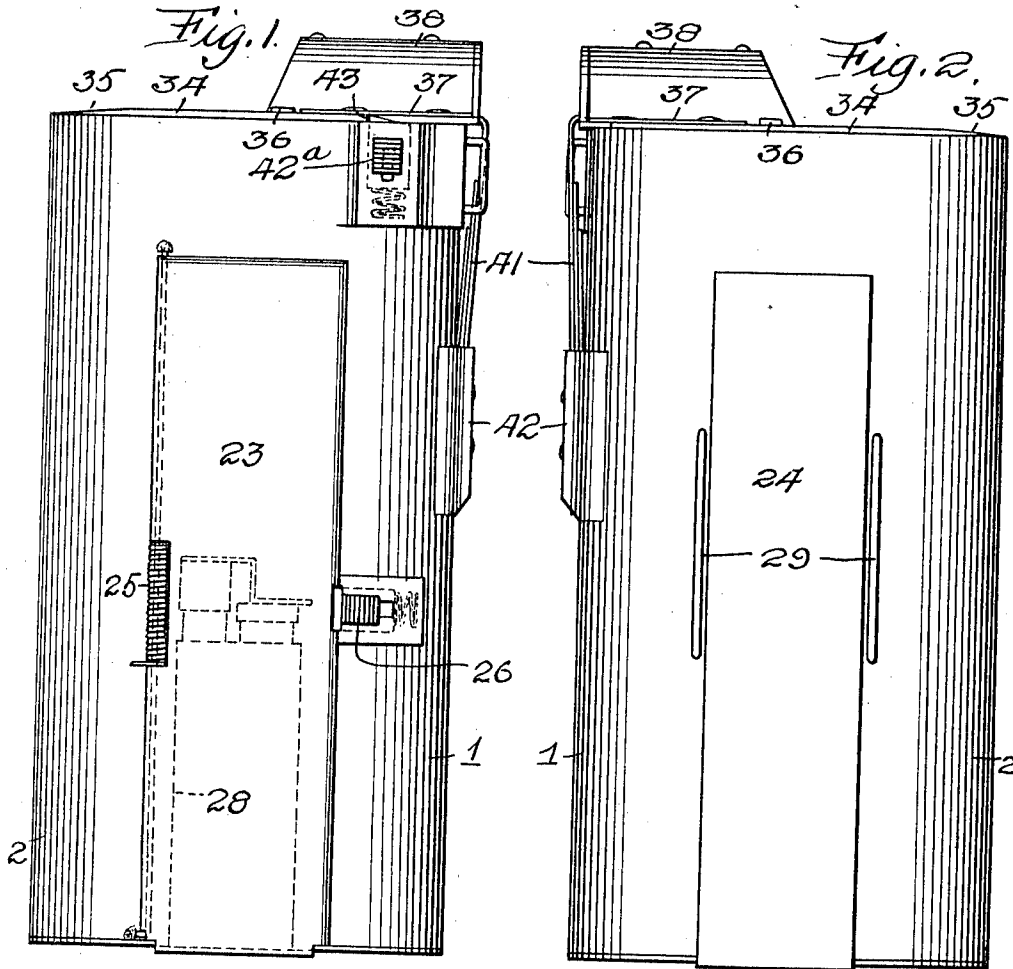
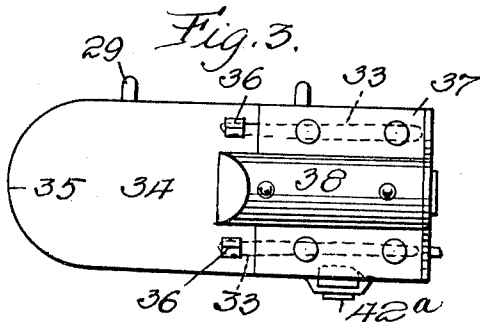
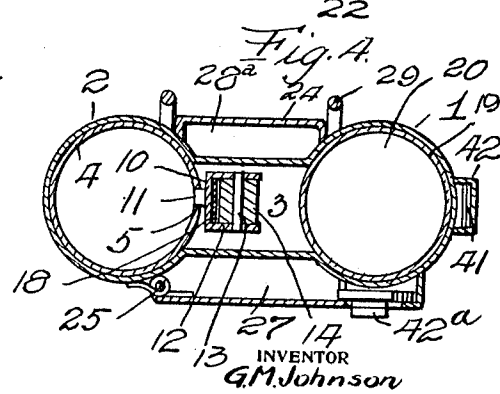


G. M. JOHNSON.
MINER'S EMERGENCY CASE.
APPLICATION FILED AUG. 12, 1912.

1,066,449.

Patented July 1, 1913.

2 SHEETS-SHEET 1.



WITNESSES

Samuel Payne
J. S. Anthony.

BY

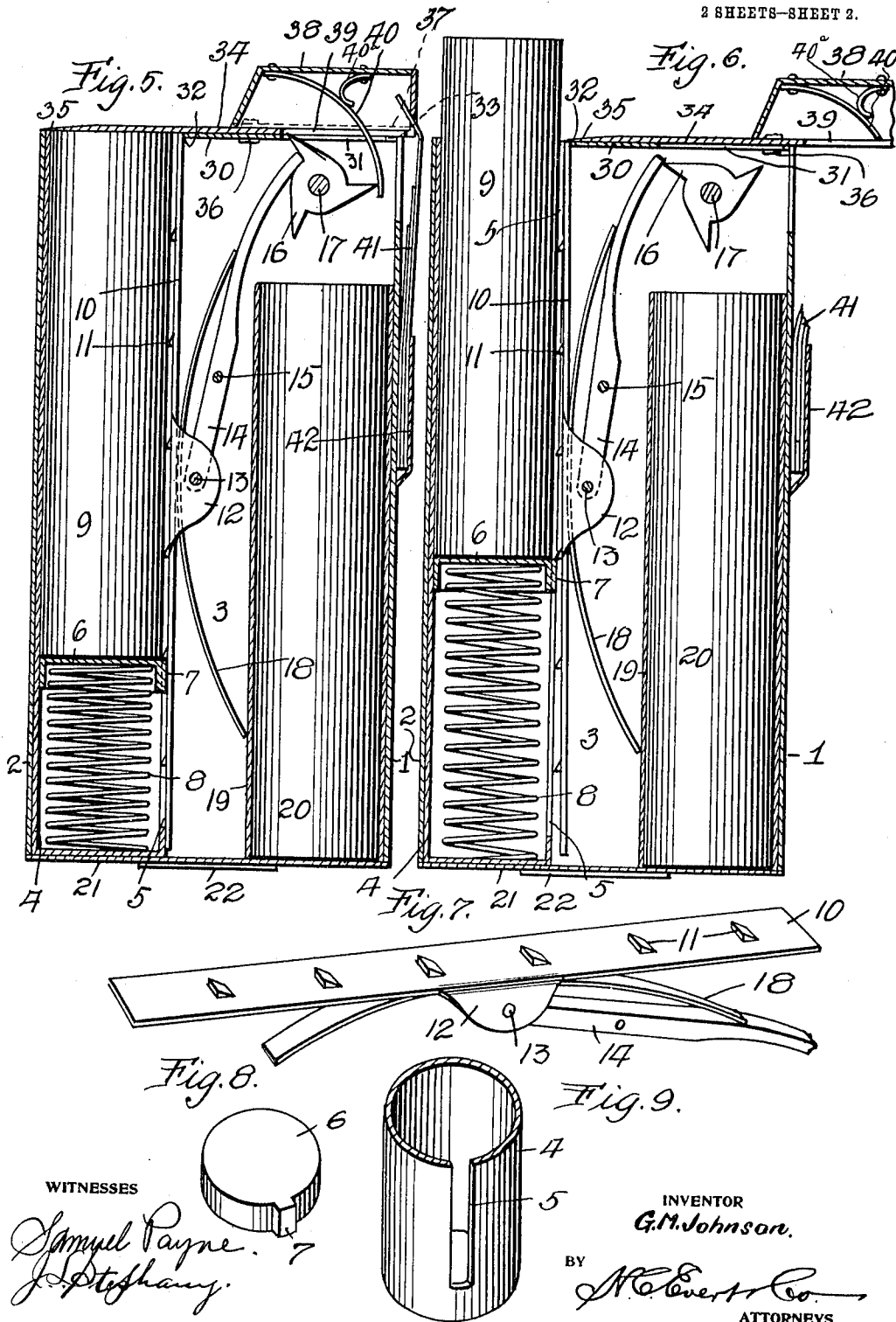
McEvert & Co.
ATTORNEYS

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WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE M. JOHNSON, OF BISHOP, PENNSYLVANIA.

MINER'S EMERGENCY-CASE.

1,066,449.

Specification of Letters Patent.

Patented July 1, 1913.

Application filed August 12, 1912. Serial No. 714,568.

To all whom it may concern:

Be it known that I, GEORGE M. JOHNSON, a citizen of the United States of America, residing at Bishop, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Miners' Emergency-Cases, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a miner's emergency case, and the primary object of my invention is to provide a novel container for an auxiliary torch, fuses, wicks, illuminating fuel and such necessities as are required by miners for maintaining a lamp in operation and for performing certain duties.

Another object of this invention is to provide a container for an illuminating grease, said container having provision whereby a quantity of the grease can be easily obtained.

A further object of this invention is to provide a miner's emergency case that is simple in construction, durable and highly efficient for the purposes for which it is intended.

With the above and other objects in view, the invention resides in a novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing wherein like numerals denote corresponding parts throughout the several views in which:—

Figure 1 is a front elevation of the case, Fig. 2 is a rear elevation of the same, Fig. 3 is a plan of the case, Fig. 4 is a horizontal sectional view of the same, Fig. 5 is a vertical sectional view of the case in a closed position, Fig. 6 is a similar view of the same in an open position, Fig. 7 is a perspective view of a detached releasing mechanism, Fig. 8 is a perspective view of a detached elevating cap, and Fig. 9 is a perspective view of a portion of a holder.

A case in accordance with this invention comprises a shell having two spaced-apart substantially cylindrical compartments 1 and 2 communicating through the medium of the central compartment 3.

Located within the compartment 2 is a cylindrical holder 4 having the inner end thereof closed and having a longitudinal slot 5 extending approximately the entire length of the holder. Slidably arranged within the

holder 4 is a feeding cap 6 provided with a projection 7 that extends into the slot 5. The feeding cap 6 is arranged upon the upper convolution of a coiled compression spring 8, said spring and said cap constituting a feeding device for a stick of illuminating grease 9 placed in the holder 4. The illuminating grease is of the ordinary and well known type known commercially as "Sunshine" illuminating fuel.

Arranged longitudinally of the holder 4 at the slotted side thereof is a releasing mechanism, comprising a plate 10 having equally spaced teeth 11 extending into the slot 5 in the path of the projection 7. Said teeth limiting the upward movement of the feeding cap 6. The plate 10 is provided with parallel apertured lugs 12 and pivotally mounted between said lugs by a pin 13 is the lower end of a lever 14 that is pivotally mounted upon a pin 15 arranged transversely of the compartment 3. The upper end of the lever 14 is curved and held in engagement with a toothed wheel 16 revolvably mounted upon a transverse pin 17 detachably supported transversely of the compartment 1. The lever 14 is held normally in engagement with the toothed wheel 16 by a flat compression spring 18 arranged between the apertured lugs 12, one end of said spring bearing against the lever 14 and the opposite end thereof against a cylindrical auxiliary holder 19 arranged in the compartment 1. The spring 18 bears against the plate 10 and holds said plate normally in engagement with the holder 4 whereby the teeth 11 extend into the slot 5 of said holder. The auxiliary holder 19 is employed for holding a stick of grease 20 similar to the stick 9. Easy access is had to the stick 20 through the medium of a detachable bottom plate 21 that is slidably mounted between inwardly projecting flanges 22 carried by the lower edges of side plates 23 and 24 carried by the outer sides of the case shell. The side plate 23 is in the form of a door that has a spring hinge 25 supporting the door whereby it can be opened. The door 23 is retained in a closed position by a conventional form of spring pressed latch 26. The door forms a compartment 27 adapted to contain an auxiliary torch 28 or other miner's device. The side plate 24 is soldered or otherwise connected to the outer side of the shell to form a compartment 28^a having the upper end thereof open whereby

fuses or wicks can be carried in the compartment. Adjacent to the plate 24 are oblong staples 29 to receive a belt (not shown) whereby the case can be carried upon the

5 body.
The top of the case has a top plate 30 provided with openings 31 and 32 and slots 33. The opening 32 provides clearance for the upper end of the holder 4 and the opening 31 provides clearance for the toothed wheel 16. Slidably mounted upon the top plate 30 is a lid 34 that has one end thereof beveled to provide a knife blade or cutter 35 adapted to cut pieces of grease from the stick 9. The lid 34 is slidably held by depending guides 36 that extend through the slots 33 of the top plate. Riveted or otherwise connected to the top of the lid 34 are the lateral flanges 37 of a casing 38. The casing is in communication with the opening 31 through the medium of an opening 39 in the lid 34 and extending through the openings 39 and 31 is a curved resilient member 40 that engages the toothed wheel 16, for maintaining the latter from movement with respect to the free end of the lever 14. The member 40 is maintained in a depending position by the bracket 40^a. Extending into the end of the casing 38 is a leaf spring 41 carried by a holder 42 secured to the side of the shell. The leaf spring 41 has a tendency to open the lid 34 and to retain said lid in an open position. A conventional form of spring pressed latch 42^a is carried by the shell to engage a shoulder 43 of the lid 34. When the latch 42^a is released the spring 41 immediately opens the lid 34 and the opening movement of the lid imparts movement to the toothed wheel 16 by reason of one of the teeth being engaged by the end wall of the opening 39, the tooth of said wheel extending into the opening as shown in Fig. 5. As the toothed wheel is moved, the lever 14 is rocked and the toothed plate 10 is moved sufficiently to release the spring pressed feeding cap 6, but the lever in riding over one of the teeth of the wheel 16 is suddenly released and the toothed plate allowed to assume its normal position. It is during the movement of the toothed plate 10 that the feeding cap 6 is elevated to be engaged by another tooth, whereby the feeding cap will have a step or intermittent movement for feeding the stick of grease 9 out of the open end of the holder 4. When the lid 34 is closed the projected end of the stick of grease will be cut thereby permitting of a quantity of the

grease being obtained and placed in a lamp. As the lid 34 is restored to its normal position the member 40 engages the toothed wheel 16 and positions said wheel as shown in Fig. 5.

The emergency case can be made of strong and durable metal and used to advantage by miners and subterranean laborers.

What I claim is:—

1. A miner's emergency case comprising a shell, a detachable bottom plate carried thereby, holders arranged in said shell, a feeding device arranged in one of said holders, a releasing mechanism arranged between said holders and controlling the movement of said feeding device, a toothed wheel for actuating said releasing mechanism, and a spring actuated lid forming the top of said shell and provided with means adapted to engage and impart movement to said toothed wheel.

2. A miner's emergency case comprising a shell, a detachable bottom plate carried thereby, holders arranged in said shell, a feeding device arranged in one of said holders, a releasing mechanism arranged between said holders and controlling the movement of said feeding device, a toothed wheel for actuating said releasing mechanism, a spring actuated lid forming the top of said shell and provided with means adapted to engage and impart movement to said toothed wheel, said lid having one edge thereof beveled, and a member carried by said lid for restoring said toothed wheel to its normal position.

3. A miner's emergency case comprising a shell, a detachable bottom plate carried thereby, holders arranged in said shell, a feeding device arranged in one of said holders, a releasing mechanism arranged between said holders and controlling the movement of said feeding device, a toothed wheel for actuating said releasing mechanism, a spring actuated lid forming the top of said shell and provided with means adapted to engage and impart movement to said toothed wheel, said lid having one edge thereof beveled, a member carried by said lid for restoring said toothed wheel to its normal position, and side plates carried by the sides of said shell and providing compartments.

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

GEORGE M. JOHNSON.

Witnesses:

MAX H. SRLOVITZ,
KATHERINE ERRETT.