March 25, 1924. 1,488,016

F. A. McGREGOR

CARRIER FOR PERCUSSION CAPS

Filed Feb. 20, 1922

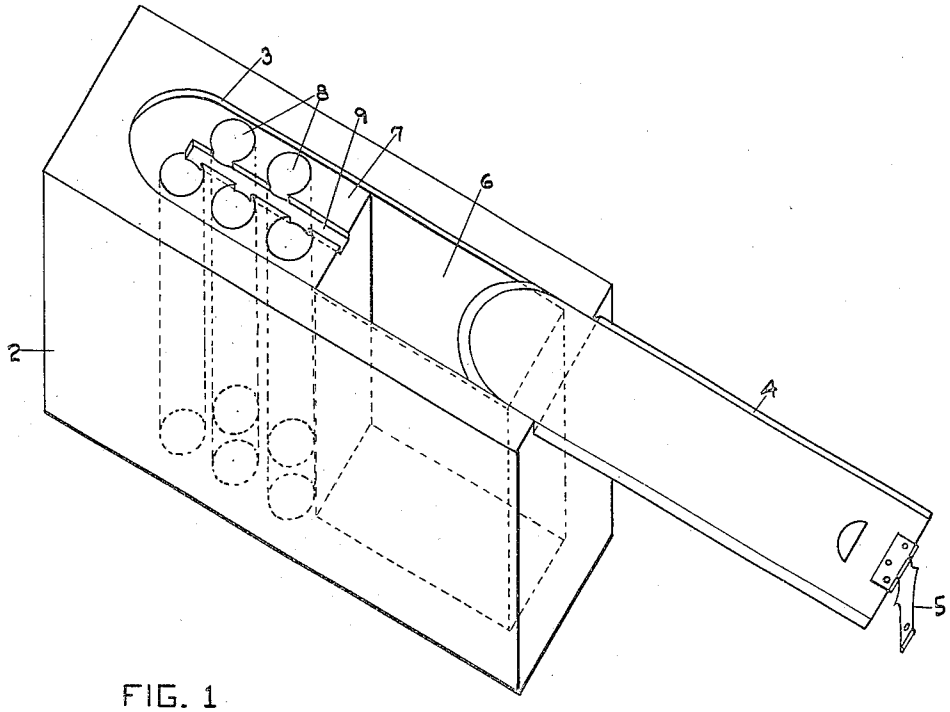


FIG. 1

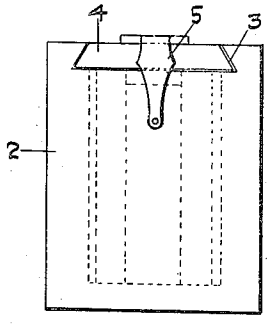


FIG. 2.

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UNITED STATES PATENT OFFICE.

FRANK A. McGREGOR, OF CRAFTON, PENNSYLVANIA, ASSIGNOR TO JAMES M. SELDEN, OF PITTSBURGH, PENNSYLVANIA.

CARRIER FOR PERCUSSION CAPS.

Application filed February 20, 1922. Serial No. 537,781.

To all whom it may concern:

Be it known that I, FRANK A. McGREGOR, a citizen of the United States, residing at Crafton, county of Allegheny, State of Pennsylvania, have invented a new and useful Improvement in Carriers for Percussion Caps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of an improved carrier constructed in accordance with the present invention, and

Figure 2 is an end elevation of the construction illustrated in Figure 1.

The present invention relates broadly to special receptacles and packages, and more particularly to a carrier for percussion or detonating caps such as used by miners, quarrymen and the like, for setting off explosive charges.

At the present time the use by miners of caps of this nature is regulated very strictly. A miner is not permitted to use, during a single day, more than five such caps, and is not permitted at any time to have on his person any more than five caps, under penalty of a heavy fine. It is quite customary for miners to carry these caps loosely in their pockets with the result that contact of the body of the miner with electric conductors frequently sets off the caps, there being annually hundreds of deaths resulting from such explosions.

The present invention has for one of its objects the construction of a carrier by means of which the number of caps allowed by regulations may be expeditiously carried without endangering the life of the miners. In this manner the casualties may be materially decreased and inspection of miners' equipment facilitated.

Referring more particularly to the drawings, there is indicated a carrier comprising a body 2 of any desired material. I have found that wood is admirably adapted to this purpose, although it will be apparent that other materials may be employed. The upper portion of the carrier is provided with a dovetailed groove 3 extending through one end of the carrier and adapted to slidably receive a cover 4. The dovetailed joint between the carrier and the cover prevents the entrance of moisture to the interior of the carrier, and the cover may be held firmly in closed position by means of a suitable latch 5.

Below the groove 3 a portion of the carrier is cut away to provide a chamber 6. Adjoining this chamber is a solid portion 7 of the carrier having formed therein a plurality of pockets 8, the number of pockets preferably corresponding to the number of percussion caps which a miner may legally have in his possession. These pockets are preferably arranged in such manner as to communicate at their upper portions with a passage 9 forming a communicating connection between the pockets and the chamber 6.

Each of the pockets 8 is preferably of a depth slightly in excess of the length of a percussion cap, whereby, if desired, a small amount of cushioning material, such as cotton, may be placed in the bottom of each of the pockets. The caps may then be slipped into the pockets with the lead-in wires connected thereto extending through the passage 9 and coiled in the chamber 6. The cover 4 is then slid into position to securely hold the caps in place and prevent any damage thereto. If the carrier is constructed of insulating material, contact of the body of the miner with current carrying conductors will not set off the caps. Where wood, or other similar material is used, it will preferably be protected with a coating of such material as asphaltum to increase both its insulating and water-proofing properties.

It will be understood that where the carrier is being used with percussion caps not provided with lead-in wires, the chamber 6 and the passage 9 may be omitted. It will also be apparent to those skilled in the art that changes may be made in the construction of the carrier without departing from the spirit of the invention or scope of my broader claims.

The advantages of the present invention arise from the provision of a carrier for controlling the number of caps being carried in accordance with the regulations and for protecting the caps against accidental explosion.

I claim:

1. As an article of manufacture, a carrier for percussion caps comprising a main body portion having a pocket therein for the reception of a cap, and having a chamber for

the reception of the cap wires, there being a communicating passage between the pocket and the chamber, substantially as described.

2. As an article of manufacture, a carrier for percussion caps comprising a main body portion having a pocket therein for the reception of a cap, and having a chamber for the reception of the cap wires, substantially as described.

3. As an article of manufacture, a carrier for percussion caps comprising a main body portion having a plurality of pockets therein for the reception of caps, and having a chamber cooperating therewith for the reception of the lead-in wires for said caps, there being a passage communicating with all of said pockets and with said chamber, substantially as described.

4. As an article of manufacture, a carrier for percussion caps comprising a main body portion having a plurality of pockets therein for the reception of caps, and having a chamber cooperating therewith for the reception of the lead-in wires for said caps, substantially as described.

5. As an article of manufacture, a carrier for percussion caps comprising a main body portion having a pocket therein for the reception of a cap, and having a chamber for the reception of the cap wires, there being a communicating passage between the pocket and the chamber, and a cover removably cooperating with said body portion, substantially as described.

6. As an article of manufacture, a carrier for percussion caps comprising a main body portion having a pocket therein for the reception of a cap, and having a chamber for the reception of the cap wires, and a cover removably cooperating with said body portion, substantially as described.

7. As an article of manufacture, a carrier for percussion caps comprising a main body portion having a plurality of pockets therein for the reception of caps, and having a chamber cooperating therewith for the reception of the lead-in wires for said caps, there being a passage communicating with all of said pockets and with said chamber, and a cover removably cooperating with said body portion, substantially as described.

8. As an article of manufacture, a carrier for percussion caps comprising a body portion having a restricted number of pockets therein for the reception of caps, there being a passage communicating with the upper portion of all of said pockets, said body portion having a chamber communicating with said passage, a cover for said carrier, and means for holding the cover in closed position, substantially as described.

In testimony whereof I have hereunto set my hand.

FRANK A. McGREGOR.