

May 17, 1927.

1,629,423

A. TURK

SAFETY BLASTING CAP BOX

Filed May 20, 1925

FIG. 1.

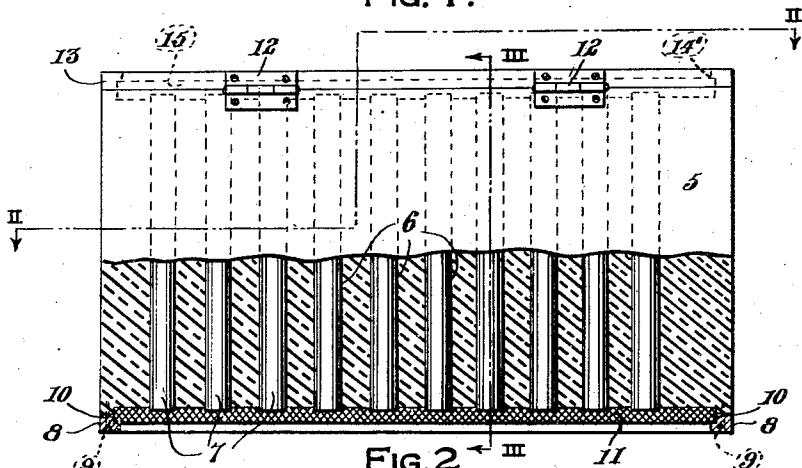


FIG. 2.

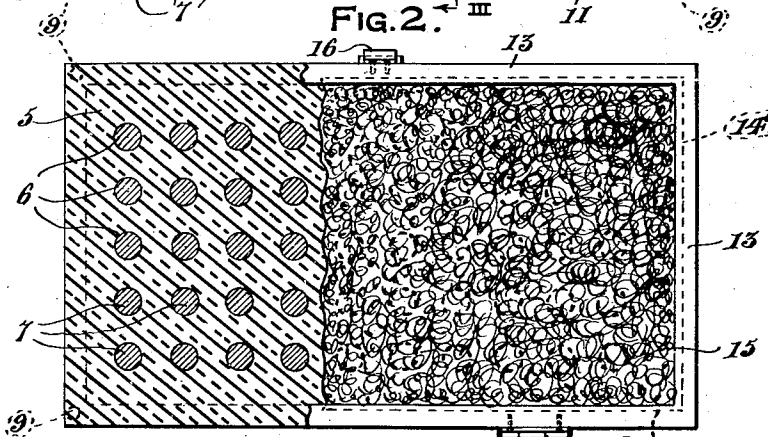
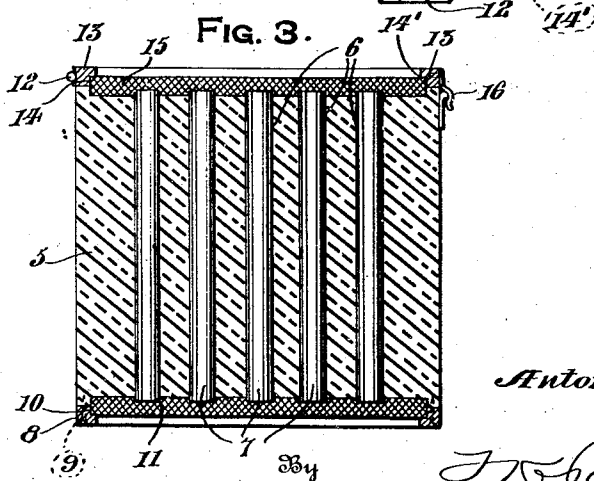


FIG. 3.



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SAFETY BLASTING-CAP BOX.

Application filed May 20, 1925. Serial No. 31,581.

This invention relates to improvements in safety blasting cap boxes.

An important object of the invention is to provide a box of the above mentioned nature that is capable of affording protection against damage by dampness or the like to the caps placed therein.

A further object of the invention is to provide a box that will overcome all danger of explosion of its contents due to sparks from electric wires or other sources.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Fig. 1 is a rear elevational view, partly in section, of the box embodying this invention with a number of blasting caps properly positioned therein,

Fig. 2 is a top plan view, partly in section, taken on lines II—II of Fig. 1, and

Fig. 3 is a horizontal sectional view taken on line III—III of Fig. 1.

In the drawing, wherein for the purpose of illustration is shown a preferred embodiment of this invention, the numeral 5 designates the body portion of the box that is constructed of any suitable insulating material, such as mica or the like, and is preferably of a substantially solid formation with the exception of any desired number of perpendicular wells 6 that are adapted for receiving the blasting caps 7 positioned therein. The bottom face of this body portion is provided with a metallic reinforcing border element or frame 8 that is secured at its four corners to the body portion by means of the screws 9, as best shown in Figs. 1 and 3. This border portion is provided with a rabbet edge 10 that is adapted for receiving a strip of felt 11 which constitutes a yielding support for the lower ends of the caps 7. The top of the box is provided with a cover that is swingingly connected to the body portion 5 by means of the hinges 12 and consists of a metallic border portion 13 that is provided with a rabbet lower inner edge 14 that is adapted for receiving a layer of felt 15 which constitutes the central portion of the cover. There is further provided a suitable clasp or lock 16 that is adapted for retaining the cover in its closed position when desired. As

shown, the block is recessed to partially snugly receive the strips of felt.

It is to be understood that the body portion 5 is constructed of an insulating material, such as mica or the like, for the purpose of preventing sparks or flame from reaching the caps carried therein. The layers of felt 11 and 15 positioned at the bottom and top faces of the box, when the same is in its closed position, constitute yielding supports for the lower and upper ends of the caps 7 to prevent any unnecessary shifting of the same.

It is to be understood that the form of this invention herewith shown and described is to be taken as the preferred example of the same, and that various changes in the shape, size, and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described the invention, I claim:

1. A safety blasting cap box comprising a block having a plurality of vertical openings therethrough forming cap receiving wells, strips of yielding packing material secured on the top and bottom of the block and closing the ends of the wells, one of said strips being readily removable to permit opening of the wells and access to the caps, and open frames attached to the top and bottom of the block and engaging the margins of the yielding strips for securing the latter in place, one of said frames being readily movable to release the associated strip and permit opening of the wells and access to the caps.

2. A safety blasting cap box comprising a block having a plurality of vertical openings therethrough forming cap receiving wells, strips of yielding packing material secured on the top and bottom of the block and closing the ends of the wells, one of said strips being readily removable to permit opening of the wells and access to the caps, and open frames attached to the top and bottom of the block and engaging the margins of the yielding strips for securing the latter in place, one of said frames being readily movable to release the associated strip and permit opening of the wells and access to the caps, the block being recessed and the frames being rabbeted, each for partial snug reception of the yielding strips.

In testimony whereof I affix my signature.
ANTON TURK.