C. JAMES.

DUST PROOF AND FIREPROOF RECEPTACLE FOR MOVING PICTURE FILMS.

APPLICATION FILED JAN. 20, 1912.

1,034,114.

Patented July 30, 1912.

Fig. 1.

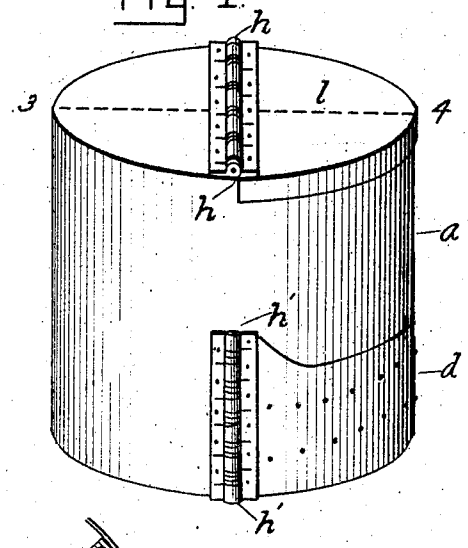


Fig. 3.

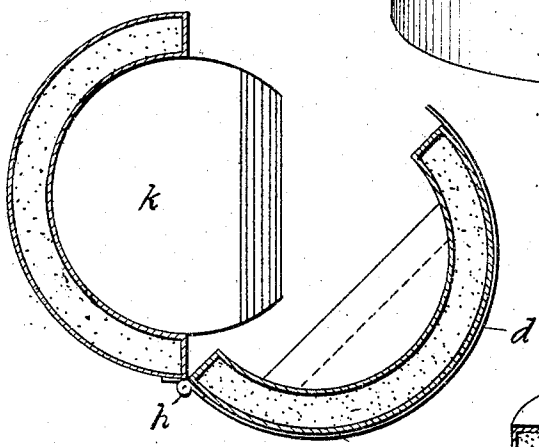
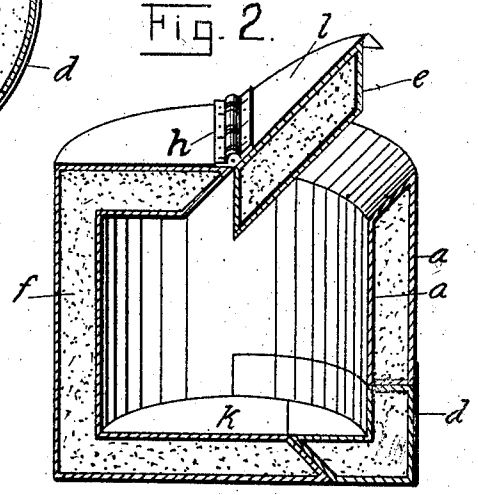


Fig. 2.



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DUST-PROOF AND FIREPROOF RECEPTACLE FOR MOVING-PICTURE FILMS.

1,034,114. Specification of Letters Patent. Patented July 30, 1912.

Application filed January 20, 1912. Serial No. 672,501.

To all whom it may concern.

Be it known that I, CHARLES JAMES, a citizen of the United States, residing at Cambridge, in the county of Guernsey and State of Ohio, have invented a new and useful Dust-Proof and Fireproof Receptacle for Moving-Picture Films, of which the following is a specification.

My invention relates to improvements in receptacles for moving picture films and has for its objects, first:—to provide a dust-proof receptacle for moving picture films, which protects the films from dust and from which the films can be easily and conveniently removed, in the order in which they are to be exhibited, and thus avoid the usual confusion and delay, in selecting the particular film desired; and second:—to provide a fire-proof receptacle whereby the films, which are highly inflammable, are protected from destruction by fire which frequently starts during the operation of moving picture machines. I attain these objects by the mechanism illustrated in the accompanying drawing, in which—

Figure 1, is a view in perspective of the exterior of the receptacle, Fig. 2, a vertical section of the complete receptacle, on the line 3, 4, (Fig. 1), showing the double walls *a a*, lid *l*, door *d*, and the filling *f* between the walls; Fig. 3, is a sectional view of the receptacle in which *d* represents the door including a section of the bottom *k*, which swings on the hinge *h'*.

Similar letters refer to similar parts throughout the several views.

The double walls *a a* are composed of rolled steel, sheet iron, or cast iron, and are separated by an intervening space of 2 inches, which is filled with a mixture of asbestos, carbonate of soda, in the following proportions:—two parts asbestos and one part carbonate of soda.

The lid *l*, is formed with beveled edge *e*, in order that it may be held more firmly in place when closed.

The door *d*, opens horizontally and consists of a section of the side or wall of the receptacle, and a section of the bottom thereof as shown in Figs. 2 and 3. The lid *l*, and door *d* are held in place by the spring hinges *h h* and *h'*, *h'* (Fig. 1). The springs of the hinges *h h* and *h' h'* are made sufficiently strong to, automatically, close the lid *l*, and door *d*, and hold them tightly and firmly closed, until opened by the operator. The door *d*, is constructed with a lap which fits closely to the exterior of the side of the receptacle and prevents any water or dust from entering at that point.

The door *d*, consists of a part of the bottom *k*, so as to render it more convenient to remove the reel or film by placing the fingers under the same and removing it through the opening at the bottom *k*. The films are placed in the receptacle at the top in the order in which they are to be exhibited and may be removed in the same order through the door *d*, at the bottom as above described, and after being exhibited they are replaced in the receptacle at the top thereof, and are ready for use in their order again. In case of fire the heat causes the carbonate of soda to produce carbonic acid gas within the space between the double walls *a a*, and being a nonconductor of heat prevents the inner compartment from becoming sufficiently hot to cause combustion.

I claim:

The combination in a receptacle for moving picture films, constructed with double walls throughout, and rendered fire-proof by any substance that is a non-conductor of heat placed between said walls, said receptacle being supplied with a lid at the top and door at the bottom, which close automatically and are held firmly closed by means of strong spring hinges, substantially as shown, for the purposes specified.

CHARLES JAMES.

Witnesses:
W. A. BRITTON,
W. E. SINGER.