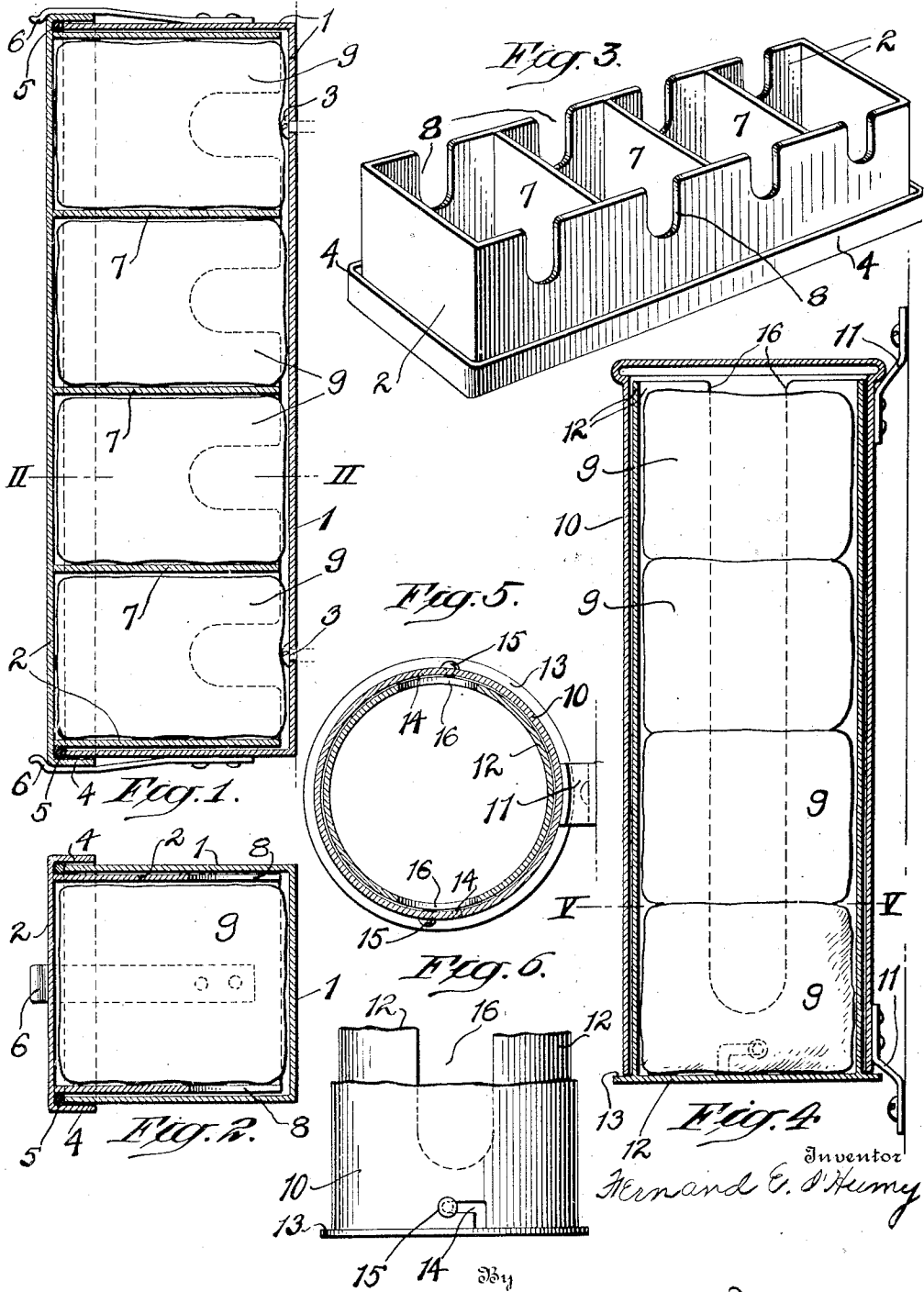


F. E. D'HUMY.
FIRE EXTINGUISHER.
APPLICATION FILED FEB. 14, 1919.

1,329,655.

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Inventor
F. E. D'Humy
Davis & Davis Attorneys

UNITED STATES PATENT OFFICE.

FERNAND E. D'HUMY, OF ENGLEWOOD, NEW JERSEY, ASSIGNOR TO LAWRENCE L. STRAUSS, OF NEW YORK, N. Y.

FIRE-EXTINGUISHER.

1,329,655.

Specification of Letters Patent.

Patented Feb. 3, 1920.

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To all whom it may concern:

Be it known that I, FERNAND E. D'HUMY, a citizen of the United States, and resident of Englewood, county of Bergen, and State of New Jersey, have invented certain new and useful Improvements in Fire-Extinguishers, of which the following is a specification.

This invention relates to fire extinguishers of the dry-powder type.

The invention has for one of its objects the provision of a container having therein a plurality of packages or grenades filled with a fire extinguishing powder, the container being adapted for attachment to a wall, the dashboard of a motor vehicle, or other support, and being so constructed as to protect the packages or grenades from moisture and to enable a section of the container to be readily detached and carried in one hand to the scene of a fire, with the several grenades therein.

A further object of the invention is to provide a two-part container for fire-extinguishing grenades, one part of which has means for fastening the same to a support and the other part of which is readily detachable with the grenades therein and so constructed that the grenades may be easily removed one at a time with one hand, while said detachable container part is held in the other hand.

In the drawings, Figure 1 is a vertical sectional view of one form of fire-extinguisher embodying the invention;

Fig. 2 a horizontal section on the line II—II of Fig. 1;

Fig. 3 a perspective view of the removable casing section;

Fig. 4 a vertical sectional view of another form of fire extinguisher embodying the invention;

Fig. 5 a horizontal section on the line V—V of Fig. 4; and

Fig. 6 a fragmentary side elevation of the lower portion of the extinguisher shown in Figs. 4 and 5.

In the construction shown in Figs. 1, 2 and 3, the extinguisher comprises an elongated rectangular casing preferably adapted to be secured to the wall of a building, the dashboard or other body part of a motor vehicle, or any other desired support, in position to be readily accessible in case of fire. The rectangular casing comprises two telescoping sections 1 and 2, the outer casing section 1

being provided with suitable means for fastening the rear wall thereof to a support. Any suitable fastening means, such as screws 3, may be employed for securing the outer or stationary casing section to its support.

The detachable or inner casing section 2 telescopes within the section 1 and has an imperforate front wall formed with an inwardly extending flange 4 spaced from the side and end walls thereof to form a channel to receive the outer edges of the side and end walls of the section 1. A suitable gasket or yieldable packing strip 5 is seated in the bottom of the channel thus formed, to provide a moisture-proof seal between the casing sections. A suitable quickly detachable interlocking connection is preferably provided for preventing accidental separation or relative movement of the casing sections. As shown, the holding means comprises a pair of flat springs 6 secured at their inner ends to the top and bottom walls of the section 1 and having their free outer ends extending over the flange 4 and bent inwardly toward each other so as to overhang the front wall of the detachable casing section 2.

The detachable section 2 is provided with a plurality of horizontal partitions 7 dividing the same into a series of compartments having open inner ends. The side walls of the section 2 are cut away at oppositely disposed points along their inner edges to form finger openings 8, there being one pair of finger openings for each compartment. In each compartment of section 2 a package, grenade, or bomb 9, filled with a fire-extinguishing powder or substance, is stored. These packages or grenades may be formed of bags or easily frangible containers filled with any suitable powder or substance for extinguishing fires, adapted to be broken by impact, or to be exploded by means of a charge of explosive ignited by a suitable fuse.

The casing is of elongated rectangular form and of such size as to adapt section 2 to be readily grasped by one hand and removed from the section 1, with the several grenades contained therein, and carried to the scene of a fire. It will be obvious that by inserting a thumb and finger of the other hand in the finger openings or slots of any compartment, the grenade therein may be readily removed and thrown with the same hand upon the blaze, the grenades being successively removed and thrown.

In the modified construction shown in

Figs. 4, 5 and 6, the fire extinguisher is of cylindrical form and comprises a stationary outer section 10, held to a suitable support by brackets 11, and a detachable inner section 12. The section 10 has an open lower end and section 12 has an open upper end, the section 12 being provided at its lower end with an annular flange 13 adapted to seat against the lower end of section 10. The flange 13 serves as a seal to prevent moisture entering between the two sections, and also provides a hand grip to permit section 12 to be rotated and withdrawn from section 10. The two sections 10 and 12 are normally held in telescoped relation by means of oppositely disposed bayonet slot connections embodying bayonet slots 14 formed in section 10 and pins 15 carried by section 12. The bayonet connections form quickly detachable interlocking means for holding the two sections in telescoped relation.

The section 12 is formed with wide slots or oppositely disposed finger openings 16 extending from its upper end substantially throughout its length, and a plurality of superposed packages or grenades of fire-extinguishing powder 9 are stored in said casing section. It will be obvious that by grasping the bottom of section 12 and rotating the same slightly it may be readily removed and carried in one hand to the scene of a fire, and the grenades 9 successively removed with the other hand by inserting a thumb and finger in the slots 16.

From the foregoing it will be observed that a fire extinguisher is provided comprising a section adapted to be fixed to a suitable support and a section telescoping with-in the fixed section and containing a plurality of charges, packages or grenades of fire-extinguishing material, the section containing said charges being readily removable with the packages therein and adapted to be carried and held in one hand while the charges are successively removed and thrown upon the burning portion or portions of a structure with the other hand. By this construction a relatively large quantity of fire-extinguishing powder may be conveniently handled and the same may be distributed with ease and a maximum of efficiency.

What I claim is:

1. A fire extinguisher comprising a casing section adapted to be fixed to a support, a casing section for holding packages of fire-extinguishing material telescoping within the first-mentioned section and removable bodily therefrom with its contents, and a quick-detachable interlocking connection between the casing sections for holding the removable section in telescoped relation with the other section.

2. A fire extinguisher comprising a casing

section adapted to be secured to a support, 65 and a removable casing section for holding packages of fire-extinguishing material telescoping within the first-mentioned section, said removable section having an open inner end and having portions of its sides cut 70 away to form finger openings to permit ready removal of packages from the removable section when the sections are separated.

3. A fire extinguisher comprising a casing section adapted to be secured to a support, a 75 removable casing section for holding packages of fire-extinguishing material telescoping within the first-mentioned section and having an open inner end and portions of its sides cut away to form finger openings to 80 permit ready removal of packages therefrom one at a time, and a quick-detachable connection for holding the sections in telescoped relation.

4. A fire extinguisher comprising a rec- 85 tangular outer casing section having one open end, a removable rectangular inner casing section telescoping within the outer section having an open inner end, and a plu- 90 rality of partitions in the inner section forming compartments for receiving individual packages of fire-extinguishing material, the side walls of said removable section being cut away at the inner edges 95 thereof to provide oppositely disposed finger openings in the walls of each compartment.

5. A fire extinguisher comprising a rec- 10 tangular outer casing section having one open end, a rectangular inner casing section telescoping within the outer section having 10 an open inner end, said inner section being adapted to hold a plurality of packages of fire-extinguishing material and having its side walls cut away at intervals along their inner edges to form oppositely disposed 10 pairs of finger openings to permit ready removal of packages individually from said section, and a pair of flat springs held at one end to opposite walls of the outer casing section and having inwardly bent free ends 11 engaging the inner casing section.

6. A dry-powder fire extinguisher comprising telescoping casing sections, one of said sections being divided into compartments for packages of fire-extinguishing 1: powder and provided with a flange forming a channel in which the outer edge of the other section engages, a packing gasket in the channel formed by said flange, and a pair of flat springs held at one end to opposite 1 sides of the other section and having inwardly bent free ends extending over the flange on the other section and frictionally engaging the outer wall of said flanged section.

In testimony whereof I hereunto affix my signature.

FERNAND E. D'HUMY.