

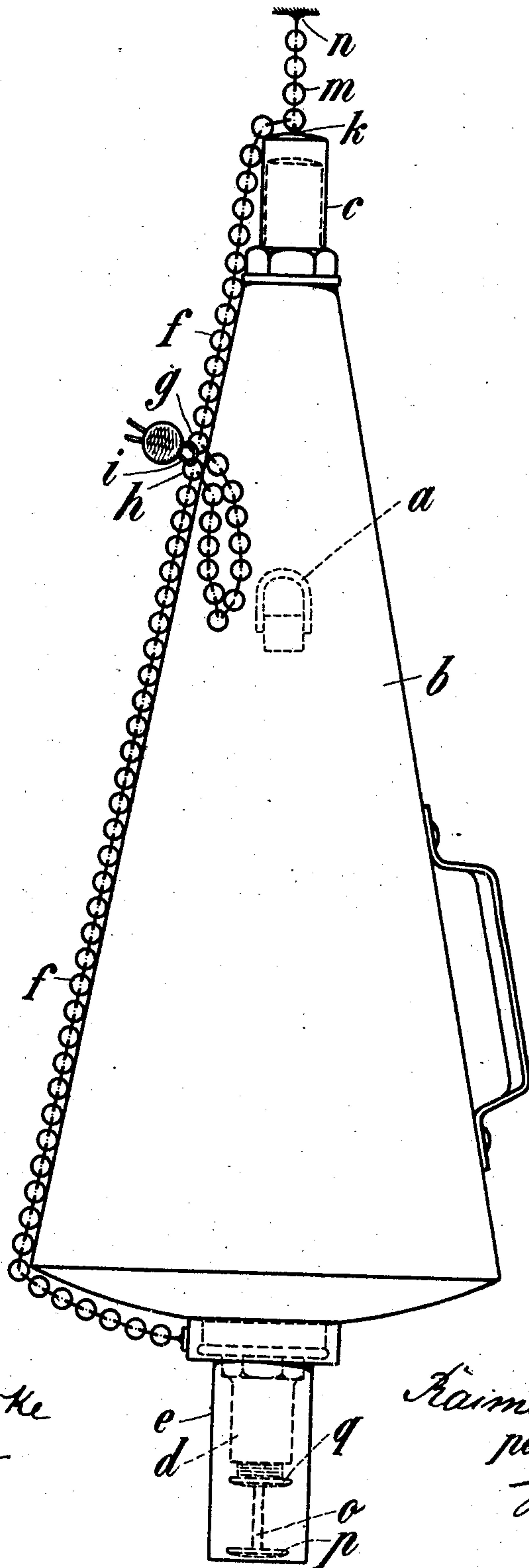
No. 857,553.

PATENTED JUNE 18, 1907.

R. GRAF.

PROTECTING DEVICE FOR CHEMICAL FIRE EXTINGUISHERS.

APPLICATION FILED MAR. 5, 1907.



Witnesses.

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UNITED STATES PATENT OFFICE.

RAIMUND GRAF, OF POHRLITZ, AUSTRIA-HUNGARY, ASSIGNOR TO MINIMAX CONSOLIDATED LIMITED, OF LONDON, ENGLAND, A FIRM.

PROTECTING DEVICE FOR CHEMICAL FIRE-EXTINGUISHERS.

No. 857,553.

Specification of Letters Patent.

Patented June 18, 1907.

Application filed March 5, 1907. Serial No. 360,772.

To all whom it may concern:

Be it known that I, RAIMUND GRAF, a merchant, and a subject of the Emperor of Austria, and a resident at Wienerstrasse, Bahnhof 290, in the city of Pohrlitz, Margraviate Moravia, Empire of Austria-Hungary, have invented a certain new and useful Protecting Device for Chemical Fire-Extinguishers, of which the following is a specification.

This invention has reference to a device for the protection of the nozzle and of the push button in chemical fire-extinguishers. Devices for accomplishing the said purpose are already known, but only in combination with the means for mounting or suspending the fire extinguisher, the fire-extinguisher being in the previous devices of this kind also retained upon its supporting device. The protecting device according to this invention however is entirely independent upon the mounting or suspending device for the fire-extinguisher. It consists essentially only of two caps which are united to each other by any sealed connection; hence the new device is also cheaper than those already known.

Upon the drawing the subject matter of the invention is shown as embodied by way of example in one form of construction.

Upon the nozzle *k* of the fire-extinguisher *b*, which may for instance be kept suspended in a suitable manner, by means of a handle *a* for instance, or which may be mounted in a frame, a cap *c* is mounted, and another cap *e* is arranged upon the push button fitting *d*. Both caps are connected by means of a chain *f* which is kept taut by withing two links (*g* and *h*) of the chain, which are not adjoining each other, by means of a stiff sealed string *i* or by a similar closing device.

That part of the chain which remains loose between the links *g* and *h*, when the seal is put on, is some what longer than the height of the nozzle *k*, so that when the seal is torn off, the cap *c* may be lifted off.

The chain *f* is secured to the wall or to the supporting frame of the fire-extinguisher either directly or by means of another chain or a string, or, as shown in the construction illustrated by way of example, a chain *m* may

be secured to the cap *c* of the nozzle, the said chain being attached at *n* in any suitable manner to the wall of the room, where the fire-extinguisher is mounted, or to the supporting frame of the fire-extinguisher. This chain *m* should be long enough, to admit of the lifting off of the fire-extinguisher from the wall or from its supporting frame.

The device is operated in the following manner. After the fire-extinguisher has been lifted off from its supporting frame, a pull is exerted upon the upper chain *m*. This pull is transmitted to the main chain *f* and breaks the seal *i*. Thereupon, the continued pull upon the upper chain *m* causes the cap *c* to be removed from the nozzle *k*, and when the fire-extinguisher is carried off, the lower cap *e* is pulled off also from the push button fitting; both caps remain suspended to the upper chain *m* by means of the connecting chain *f*.

The diameter of the caps should be such, that they will cover the part which is to be protected, with a certain amount of play, so that they cannot unite or become stuck to these parts by any ensuing oxidation of the metal. Particularly the cap *e* for the push button should have ample play, so that, after the tearing of the string of the seal *i*, the cap may drop off by itself from the push button fitting *d*.

What I claim and desire to secure by Letters Patent of the United States is:—

Protective device for fire extinguishers consisting of two caps, one over the nozzle at the top of the extinguisher and the other at the bottom covering the push button for effecting the action of the chemicals, a chain loosely connecting said caps and a seal between two links of the chain, overbridging a loop of a number of links of the chain, to keep the chain taut between the caps and thus prevent their accidental removal.

In witness whereof I have hereunto signed my name this 16th day of February 1907, in the presence of two subscribing witnesses.

RAIMUND GRAF.

Witnesses:

ALVESTO S. HOGUE,
AUGUST FUGGER.