

Dec. 23, 1924.

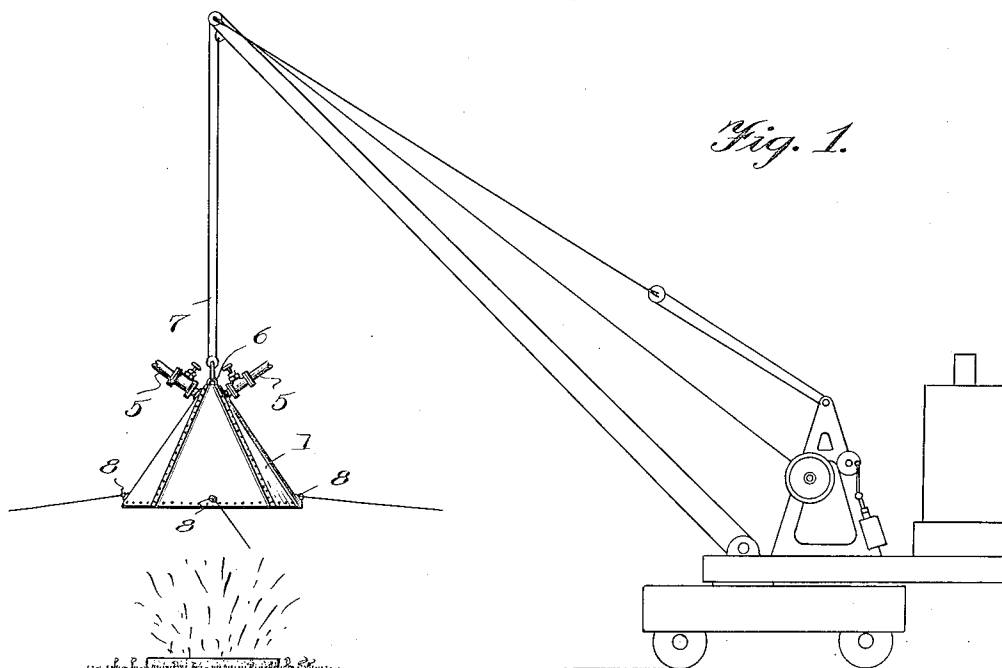
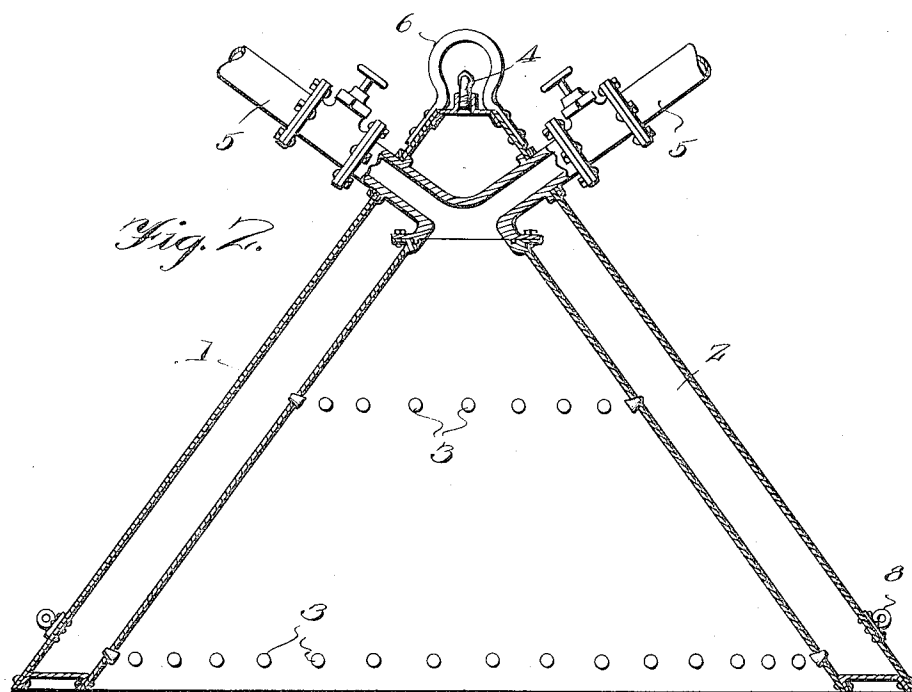
P. P. FEATHERSTONE

1,520,288

FIRE EXTINGUISHER

Filed Nov. 21, 1923

2 Sheets-Sheet 1



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INVENTOR

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WITNESS:

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2 Sheets-Sheet 2

Fig. 3.

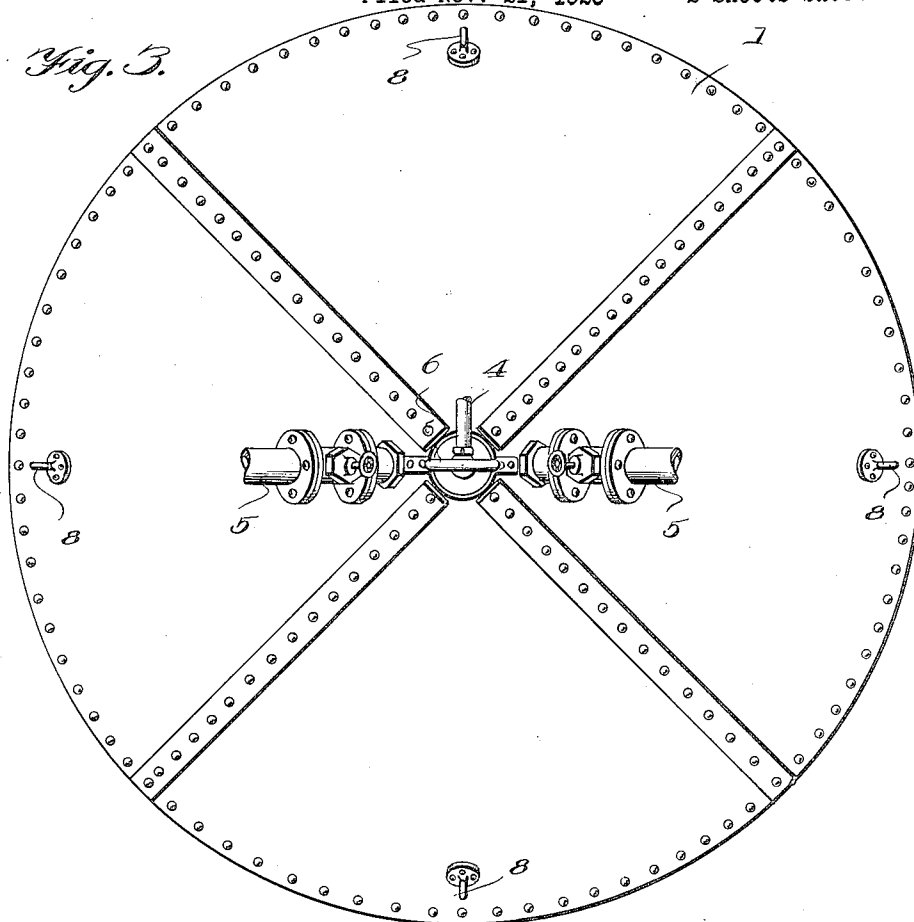
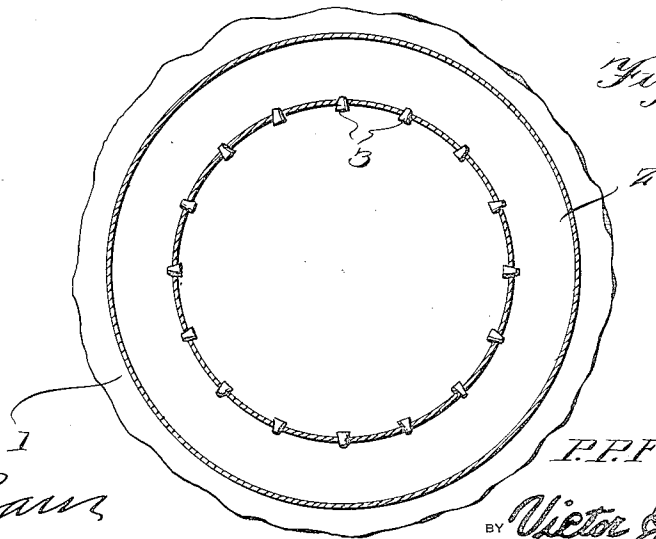


Fig. 4.



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UNITED STATES PATENT OFFICE.

PAUL PATRICK FEATHERSTONE, OF LONGVIEW, TEXAS.

FIRE EXTINGUISHER.

Application filed November 21, 1923. Serial No. 676,127.

To all whom it may concern:

Be it known that I, PAUL P. FEATHERSTONE, a citizen of the United States, residing at Longview, in the county of Gregg and State of Texas, have invented new and useful Improvements in Fire Extinguishers, of which the following is a specification.

This invention relates to a device for extinguishing fires in oil wells, the general object of the invention being to provide a device for fitting over the mouth of the well and carrying chemicals for extinguishing the flames with means for forcing the chemicals from it after it is put in place.

Another object of the invention is to provide outlet means at the top of the device for permitting some of the pressure caused by the fire to escape from the device and thus facilitate its being put in place.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a view showing the device in use.

Figure 2 is an enlarged sectional view of the device.

Figure 3 is a plan view.

Figure 4 is a transverse sectional view through the device.

As shown in these views, the device comprises a cone-shaped body 1 which is formed of boiler plate or the like and which has inner and outer walls forming a chamber 2 to receive suitable fire extinguishing chemicals. The inner wall is provided with a plurality of openings which are closed by plugs 3 of soft material and a pipe 4 is connected with the top part of the chamber so that steam, air or water can be forced into the chamber to cause the plugs to be expelled and the chemicals to be driven from the chamber against the flames to extinguish the same. The upper part of the device is provided with the outlets 5 which are in communication with the top of the interior of the device so that some of the pressure

created by the burning oil or gas can escape from the device while the same is being put in position and thus facilitate the placing of the device over the well. A loop 6 is fastened to the top of the device so that a cable 7 can be attached thereto, the cable being fastened to a boom of a crane or the like for swinging the device into position. Eye bolts 8 are carried by the lower end of the device for attaching guy lines to it for holding the device in position. If desired, the device can be placed on wheels so that it can be wheeled into position.

From the foregoing it will be seen that when the device is placed over a well it will have a tendency to smother the flames and by forcing steam, air or water into the device through the pipe 4 the chemicals will be expelled therefrom into the flames to extinguish the same.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. A fire extinguisher for gas and oil wells comprising a cone-shaped member formed with inner and outer walls to provide a chamber for receiving chemicals, means for permitting the chemicals to escape into the interior of the member when a fluid under pressure is introduced into the chamber and means permitting fluid to be forced into the chamber.

2. A device of the class described comprising a cone-shaped member having spaced walls forming a chamber for receiving chemicals, the inner wall having openings therein, plugs for closing the openings, a pipe in communication with the chamber for permitting fluid under pressure to be introduced into the chamber to expel the chemicals therein and to force out the plugs, an outlet in the interior of the device at the top thereof and cable engaging parts on the device for permitting it to be placed over a well.

In testimony whereof I affix my signature.

PAUL PATRICK FEATHERSTONE.