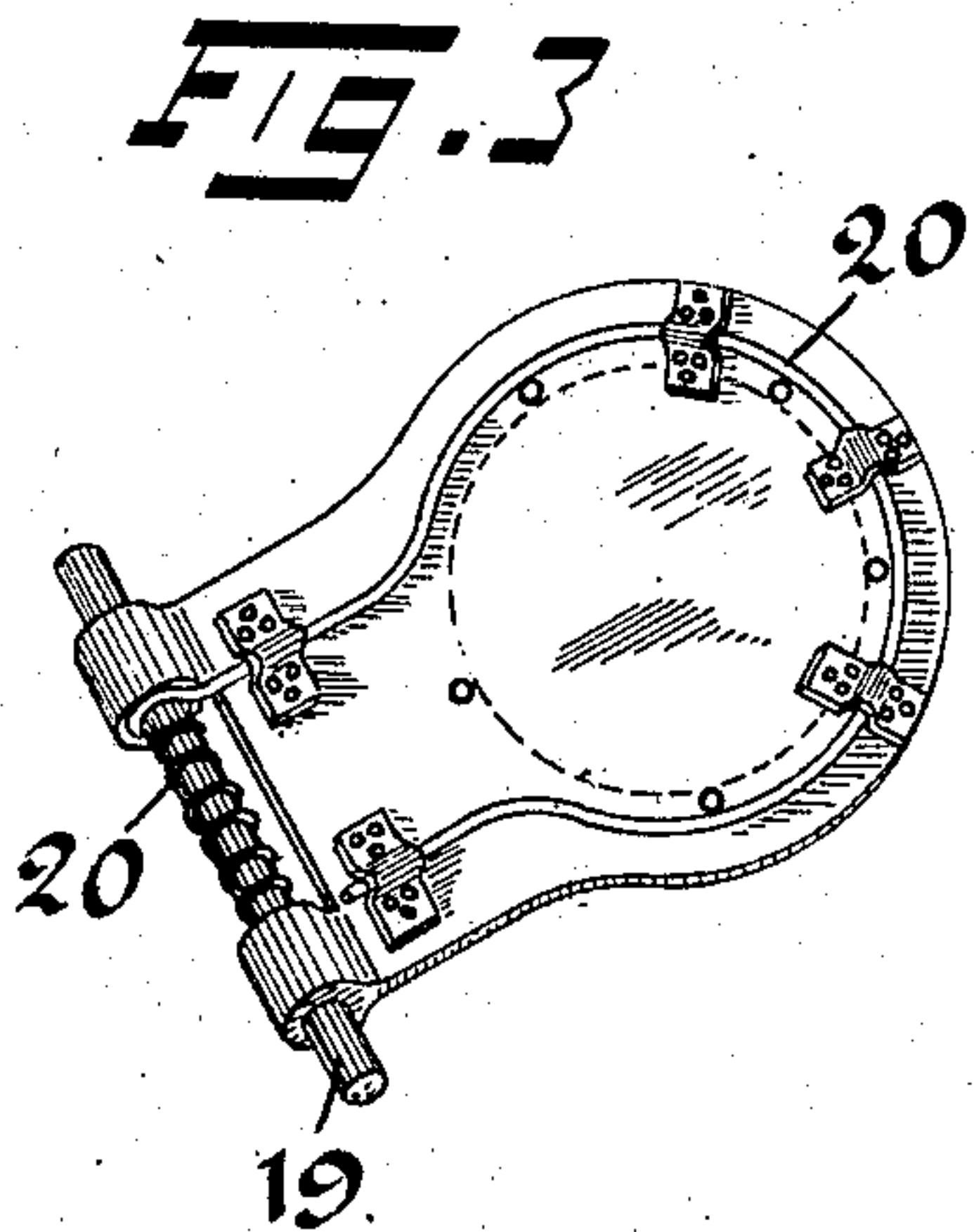
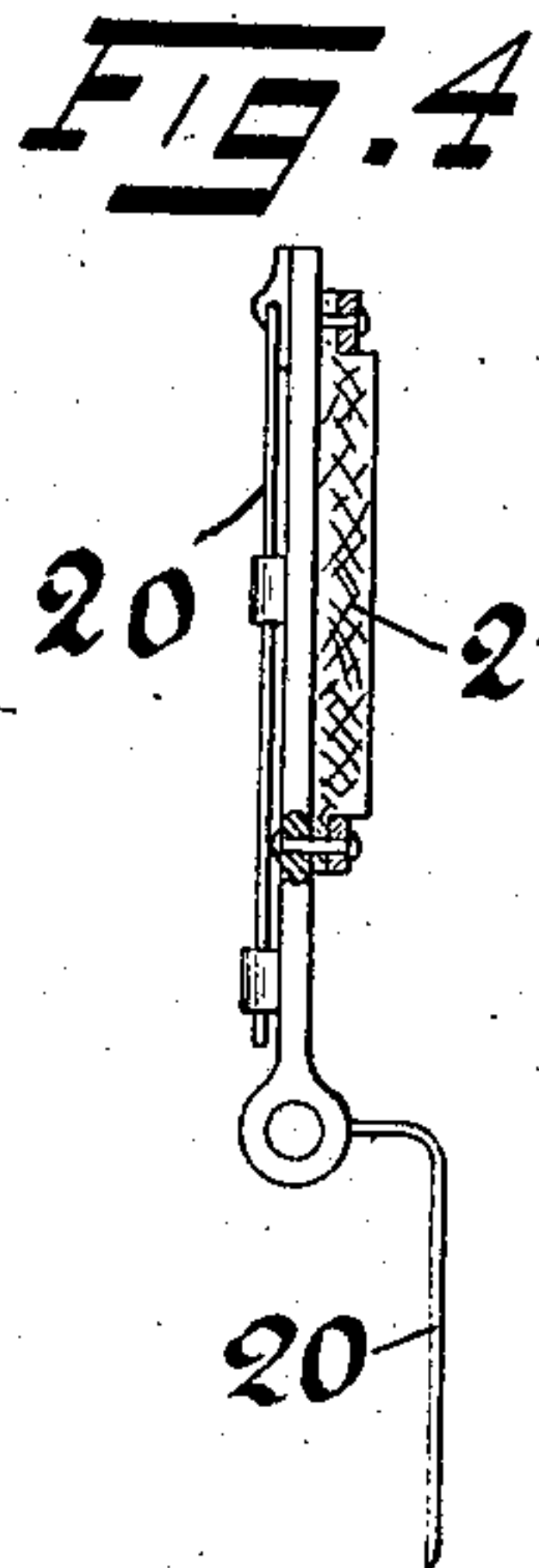
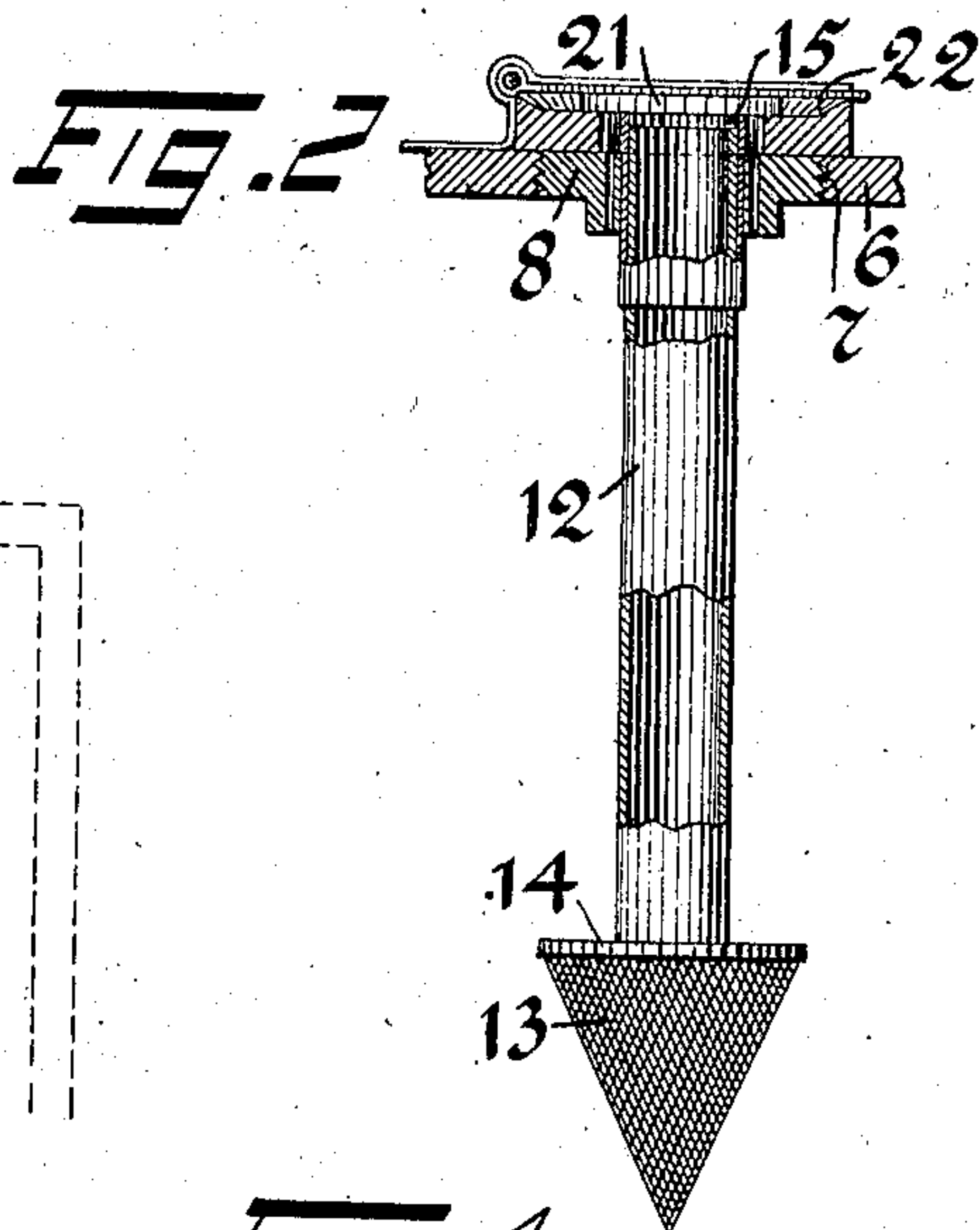
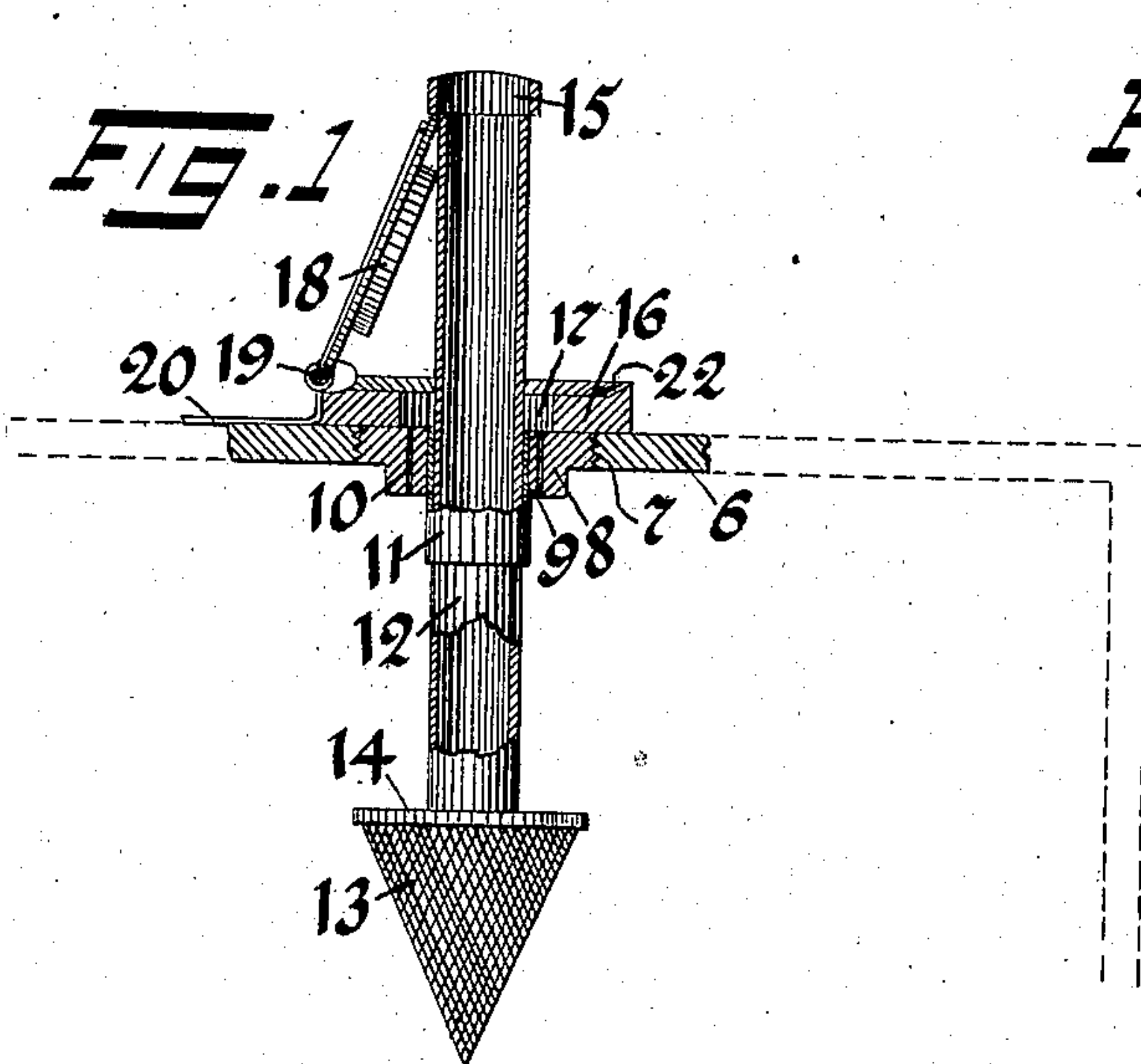


W. H. McNUTT.
FILLING DEVICE FOR CANS.
APPLICATION FILED FEB. 8, 1907.

900,762.

Patented Oct. 13, 1908.



Witnesses:

F. J. Schilling

H. D. Penney

Inventor:

W. H. McNUTT.

By his Attorney,

J. H. Richards.

UNITED STATES PATENT OFFICE.

WILLIAM H. McNUTT, OF NEW YORK, N. Y., ASSIGNOR TO WILLIAM E. ROCHE, OF NEW YORK, N. Y.

FILLING DEVICE FOR CANS.

No. 900,762.

Specification of Letters Patent.

Patented Oct. 13, 1908.

Application filed February 8, 1907. Serial No. 356,407.

To all whom it may concern:

Be it known that I, WILLIAM H. McNUTT, a citizen of the United States, residing in New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Filling Devices for Cans, of which the following is a specification.

This invention relates to vessels for containing explosive fluids such as gasoline or the like and has for its object to provide an improved form of safety filling device that will facilitate the pouring of the gasoline or other inflammable fluid into a can or receptacle, and which will prevent access of flame to the contents of the vessel, should a fire occur in proximity thereto; and which means also provides a cover yieldably supported to normally keep the filling aperture tightly closed, as well as the vent apertures or openings permitting escape of the air in the vessel as it is being filled.

In the accompanying drawings illustrating one embodiment of my invention, Figure 1 is a vertical sectional view of a portion of the top member of a vessel, with the filling device in the position for use. Fig. 2 shows the same with the device in the normal closed position. Fig. 3 is a perspective view of the valve for closing all of the openings in the vessel; and Fig. 4 is a side elevation of the valve member.

The upper or lid member 6 of the vessel is provided with a threaded aperture 7 in which screws a sleeve 8 that has a bore 9 extending therethrough and also a number of small openings 10. In the bore 9 is secured a short sleeve 11, in which sleeve slides a filling tube 12; at the lower end of the tube is secured a gauze cone 13 supported by a disk 14 fast to the lower end of the tube 12. The upper end of the tube may have an enlargement or head 15, to prevent the tube being inserted beyond the supporting tube 11, and being pushed into the vessel.

On the top of the lid member 6 is secured a disk member 16 having a large opening 17 in the center through which passes the filling tube 12, such opening being also large enough to uncover the upper parts of the small openings 11, whereby air in the vessel may pass out when the liquid is being poured in through the filling tube. A valve member 18 swings on a rod 19 that is secured to the top of the can by a bent plate 20. This valve is

of sufficient size to cover the top of the disk 16, and is normally retained in closed position by a coiled spring 20. A washer or disk 21 of leather or other suitable material is secured to the end face of the valve 18 and presses against the upper face of the disk 16. The disk is provided with an annular rib 22 adjacent its periphery, that is engaged by the end portion of the valve surrounding the leather disk, thereby tightly closing the opening into the can when the filling tube is pushed down to the vessel as indicated in Fig. 2.

When it is desired to fill the can, the valve 18 is raised and the filling tube is grasped by the fingers and pulled upward to the position indicated in Fig. 1. Thereupon the valve is permitted to press against the filling tube and by its edge engaging under the head 15, the tube will be prevented from sliding downward into the can. After the vessel has been filled, the valve is swung to release the tube, which is pushed down to its lowermost position and then the valve is closed over the opening. It will be observed that at all times, the gauze member 13 will prevent access of flame to the contents of the vessel, the openings 10 being so minute to prevent flame passing therethrough, at the same time permitting escape of the air during filling of the vessel.

Having thus described my invention, I claim:

1. The combination with a closed vessel having a threaded opening in its top, a sleeve screwed into said opening, a filling tube slidable in the sleeve, the sleeve having minute openings therethrough adjacent its bore, a collar secured to the said sleeve at the upper part having a larger bore than the sleeve bore whereby the said minute openings are exposed, a valve member hinged to the said collar, said filling tube having a head at its upper end preventing its passing down through the bore of the sleeve but permitting the valve member to close down on the collar on top of the head, and a strainer member having minute openings at the lower end of the filling tube.

2. The combination with a closed vessel having a threaded opening in its top, a sleeve screwed into said opening, a filling tube slidable in the sleeve, the sleeve having minute openings therethrough adjacent its bore, a collar secured to the said sleeve at

the upper part having a larger bore than the sleeve bore whereby the said minute openings are exposed, a valve member hinged to the said collar, said filling tube having a head at
5 its upper end preventing its passing down through the bore of the sleeve but permitting the valve member to close down on the collar on top of the head, the filling tube having a flat ring member secured to its lower end,

and a conical perforated member having 10 minute openings and secured to the periphery of said collar providing an outlet for the filling tube to permit free exit of its contents.

WILLIAM H. McNUTT.

Witnesses:

FRED. J. DOLE,
WILLIAM H. REID.