

ABSTRACT

The present invention relates to a pressure gauge for a portable fire extinguisher, including a pressure sensor having an element that is displaced based upon a change in pressure in the pressurized vessel, and a cam configured to transmit, through a rocker arm, pressurized displacement of the pressure sensor element to a rotatable pointer shaft. The cam is configured to rotate according to displacement of the pressure sensor element and thereby causes the rocker arm to rotate. The pointer shaft includes a pointer that is configured to provide a visual indication relating to the pressure inside the pressurized vessel. The gauge includes a device that detects when one or more of the rotating components has been caused to rotate beyond a threshold angle, wherein rotation beyond the threshold angle of rotation is indicative of the pressure inside the vessel moving above or below a predetermined pressure.

Fig. 1