



SCI-AM-NY

KOHLER'S EXTINGUISHER FOR ARGAND BURNERS.

The engraving shows a very simple and effective extinguisher for kerosene lamps, recently patented by Mr. C. H. Kohler, of 235 Superior Street, Cleveland, Ohio. The device answers the double purpose: First, of an extinguisher for use whenever it is desired to put out the light in the safest and most convenient manner without blowing into the chimney or turning down the wick—either of these methods being very dangerous, and, second, of an automatic extinguisher, which insures the instantaneous putting out of the light should the lamp be turned over, thus preventing the fires which are so frequently caused by kerosene lamps being upset.

Many of the accidents resulting in the destruction of life and property might have been avoided had this safety device been used.

A sleeve is fitted over the outer side of the wick tube and connected by a wire arm with a smaller tube within the wick tube. The lower end of this tube rests upon a support inside

the wick tube. Air to supply the flame is admitted to this tube through an opening in its side. A lever pivoted in the side of the burner extends into a slot in the inner movable tube, and has at its outer end an eye, to which is attached a chain carrying at its opposite end a small metallic ball having sufficient weight to move the connected sleeve and tube, so that whenever the ball is displaced from its socket, in case the lamp should be overturned, it drops and in its fall raises the extinguishing device and shuts off the supply of air to the flame, which then goes out instantly. To insure a direct pull on the lever, the chain passes through an eye formed on the end of a wire projecting from the side of the burner. To operate the device by hand, all that is required is to press on the lever.

Fig. 1 shows a lamp with the improvement attached; Fig. 2 is a sectional view, showing the manner of operating the device by hand; and Fig. 3 shows a lamp partly overturned, with the extinguisher being operated automatically.