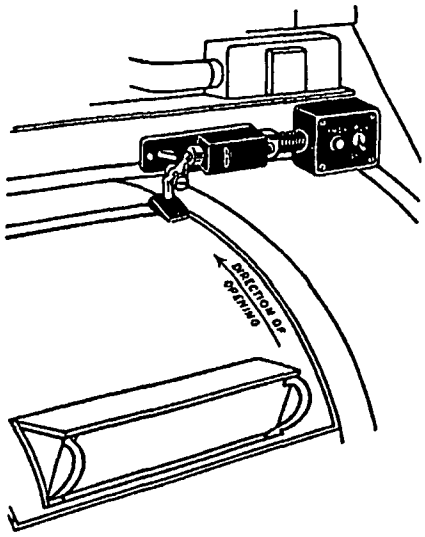


Fig 26-46 The wedge-shoped lug on the washing tumbler door breaks the electric current at the starting switch contact when the door is opened, thereby preventing normal operation of the tumbler The tumbler can be inclined or moved slowly for short intervals by pressure on the "inch" button.

safety device on the door, an automatic steam or CO_2 fire extinguishing device, a heat-actuated solvent drain, and an explosion release door

The drying tumbler should have a self-closing explosion cover equal in area to at least 10 percent of the total area of the tumbler. It should have vapor vent pipes connected to exhaust fans and discharging at least 6 ft above the roof of the building and not less than 10 ft measured horizontally from any opening in adjacent buildings

Flat-work ironers Feed rolls should be equipped with a movable barrier guard across the full width of the roll to stop the ironer should the operator's hand strike the guard, or with a fixed barrier that will prevent entry of the hands into the rolls Pressure rolls should be guarded so that the operator cannot reach into them Hot surfaces should be insulated if the operator can reach them (Fig 26-47)

Press-type ironers Presses should have mechanical or electrical two-hand controls to keep the hands from between the head and the buck as pressure is applied Heated surfaces, especially on the front of the ironer, should be insulated

Ice Processing

Crushers The receiving hopper of small hand-operated ice crushers in which only small pieces are crushed should be about 5½ ft from the floor so that the operator cannot reach the crushing rolls as he stands on the floor

For more positive protection, on both hand- and power-operated crushers, the sides of the hopper should be extended to such a height that the worker cannot reach the crushing rolls regardless of the position of the machine, or the crusher should be enclosed on three sides, with an opening on the fourth side large enough to receive the ice

A chute leading to the opening is an effective means for feeding ice and at the same time prevents the worker from reaching the crushing rolls The crusher should never be placed so that a worker can fall into it

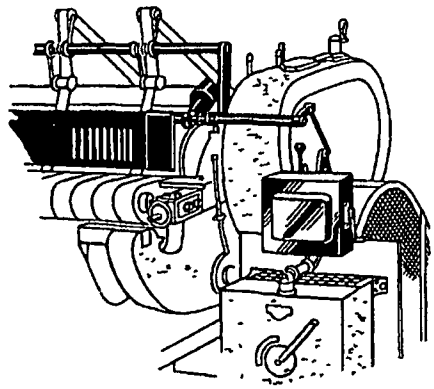


Fig 26-47 If the operator's hands strike the hinged barrier that guards the ironer rolls, the contact switch opens the circuit and the machine stops The barrier must be in place before the machine can be started by the operator.