

Simple Devices For Plant Safety

These five shop-designed and shop-made safety gadgets are simple, effective, easily duplicated. Photos on these pages show how they're made, what they can do in your plant



'No Smoking' Blinker

Easily portable "no smoking" sign immediately commands attention by blinking a warning wherever it is placed. This unit has a base that is 6 3/4 in. in diameter, 6 in. high. Plant personnel can read the words on the 24-in.-high triangular wooden sign from any direction. Black letters on yellow background convey the message.

Red blinker light mounted on top of the wooden sign is a 1000-v bellows bulb covered with a red glass globe. It blinks on and off approximately 60 times a minute, runs on a "B" battery and a 1000-v stepup transformer contained in the base. Entire unit weighs about 12 lb., is 35 in. high.

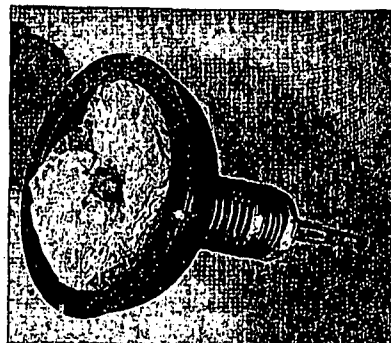


Cuts Out Match Carrying

If smoking is permissible in specified areas of the plant, but matches should not be carried in others, these simple lighters cut down on safety infractions. One type is patterned after the automobile dashboard lighter. The other uses standard electrical fittings and easily removable heating elements. Maintenance costs are low for both models.

Eliminates Flying Chips

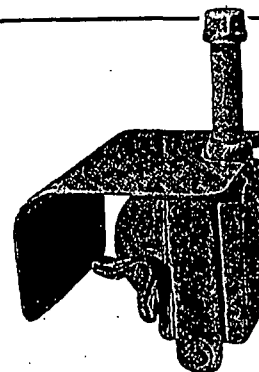
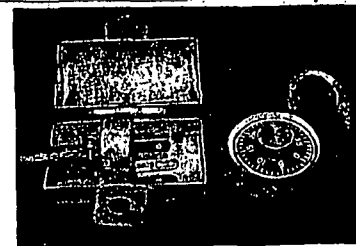
This guard for a star drill consists of a suction cup from a "plumber's helper" and two cellulose sponges, fastened to the bit with a spring collar and set screw. The springs are in sections and are adjusted to fit any length bit. Sponges can be dampened with water to help prevent fires and keep down dust, without using wet rag or hose.



Power's thanks to E I du Pont de Nemours & Co., Inc., Petroleum Chemicals Division for the material for this article.

Keeps Plug Out of Socket

This lockout device prevents putting extension-cord plug into an electrical receptacle while maintenance man is working on the equipment. Device is both easy to make and easy to use. It is particularly useful on electrical office equipment, power tools and laboratory apparatus where locking switches are not provided.



Guards Butterfly Switches

Metal guard gives double protection to the butterfly type of electrical switch. It protects against overhead leaks or falling objects. It also prevents anyone from starting the equipment accidentally by leaning on the switch or inadvertently coming in contact with the lever.

More Disconnects—Less Down Time

Today's electrical designers are getting good results with quick-disconnecting designs in switchgear, motor-control centers, etc. Users appreciate being able to quickly pull an electrical component out of place for maintenance, trouble shooting or simply disconnection. This is a big safety feature, and it promotes better maintenance.

Operating men can adopt the same idea for small motors, solenoid valves, etc. Use twist-type disconnects that can be easily inserted by cutting into the feed. When trouble shows up, disconnect the balky unit, slip a new or repaired one into position, and resume production. The faulty device can be repaired back in the maintenance shop. This generally adds up to a better repair job than if all the work were done hurriedly in the field.

