



FIG 19-43a—Above Typical safety shoes. Second from left illustrates metal instep guards which fit over shoes. Third from left are oxford-type shoes.

FIG 19-43b—Right Shoe has built-in instep (metatarsal) protection. This style has proven especially valuable in the heavy metals industries.



to drain off static charges, and with nonferrous construction to reduce the possibility of friction sparks in locations with a fire or explosion hazard. Initial and subsequent periodic tests should be made on conductive footwear in order to make sure that the maximum allowable resistance of 450,000 ohms is not exceeded.

Foundry shoes

Safety shoes of the "congress" or gaiter type are used in some plants where employees are exposed to splashes of molten metal. Having no fasteners, such shoes are easily and rapidly removable in an emergency.

Some National Safety Council members engaged in foundry and steel mill operations have reported that serious burns have occurred to men unable to remove shoes of ordinary work type in an emergency. As in all such occupations, the tops of the shoes should be covered by the trouser leg, spats, or leggings, to keep out molten metal.

Explosives-operations (nonsparking) shoes

Explosives-operations shoes are used (a) in hazardous locations where the floors are nonconductive and grounded such as in the manufacture of certain explosive compounds, or (b) when cleaning tanks that have contained