

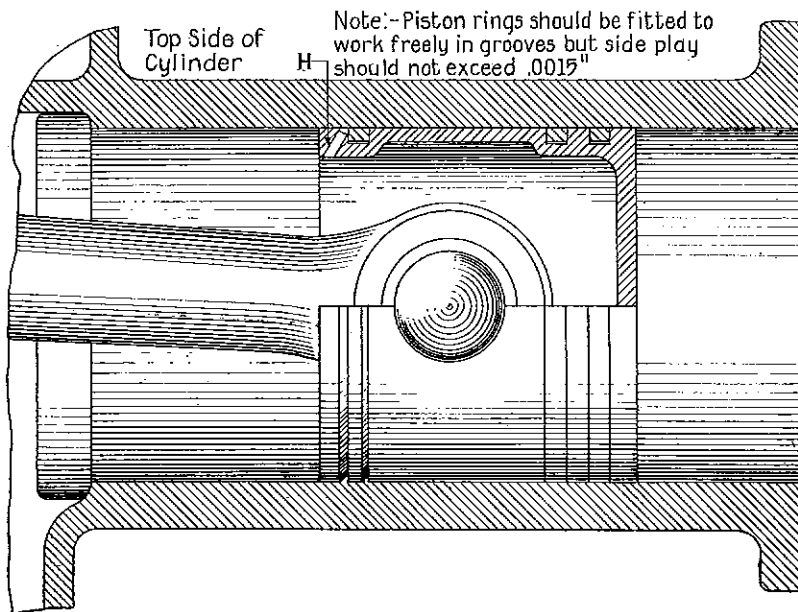
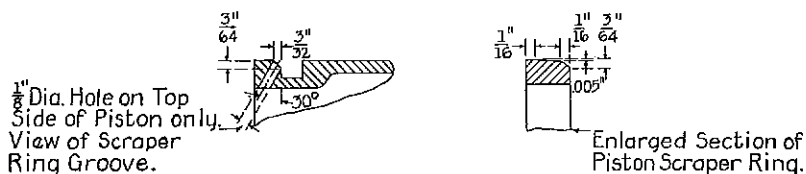


# OIL SCRAPER RINGS for AIR COMPRESSORS

## DESCRIPTION

The effect of oil in the air lines of electric cars and locomotives on the operation and life of the devices on the lines is such as to make its total exclusion highly desirable.

To insure oil exclusion, G-E air compressor pistons are equipped with a special ring, known as the oil scraper ring, that fits into the groove nearest the crank chamber. The ring is ground with a slight bevel, and has one edge chamfered. Thus it presents a sharp scraping edge to oil on the crank chamber side, and a wiping edge on the other side, effectively preventing the passage of oil.



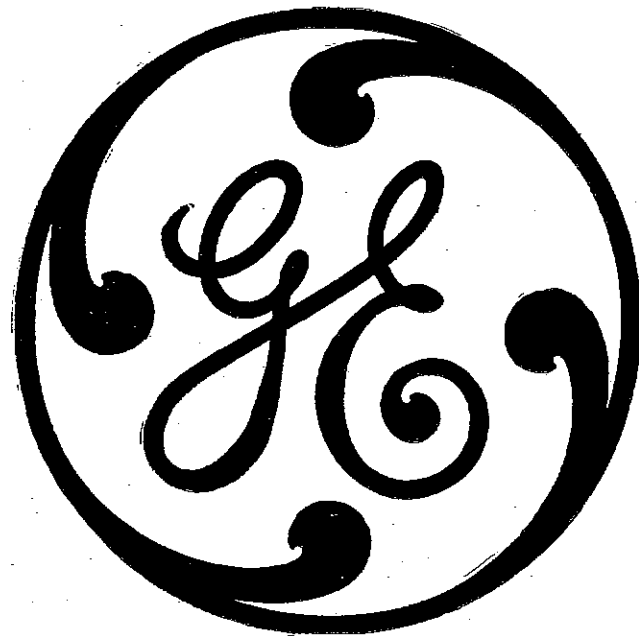
SECTION THROUGH CYLINDER SHOWING METHOD OF ASSEMBLING OIL SCRAPER PISTON RING ON AIR COMPRESSOR PISTON

## INSTALLATION

When assembling the piston with the oil scraper ring in the cylinder, care should be taken to make sure that the small hole (H), at the edge of the ring groove near the open end of the piston is on top in the cylinder. The purpose of this hole is to permit the oil collected in the groove by the ring to drain back into the crank chamber. The scraper ring should be assembled in the groove with the beveled side toward the wrist pin hole, i.e. away from the crank chamber. Mechanical peening on the inside surface of the ring insures a snug and even fit.

**General Electric Company, Schenectady, N. Y.**

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