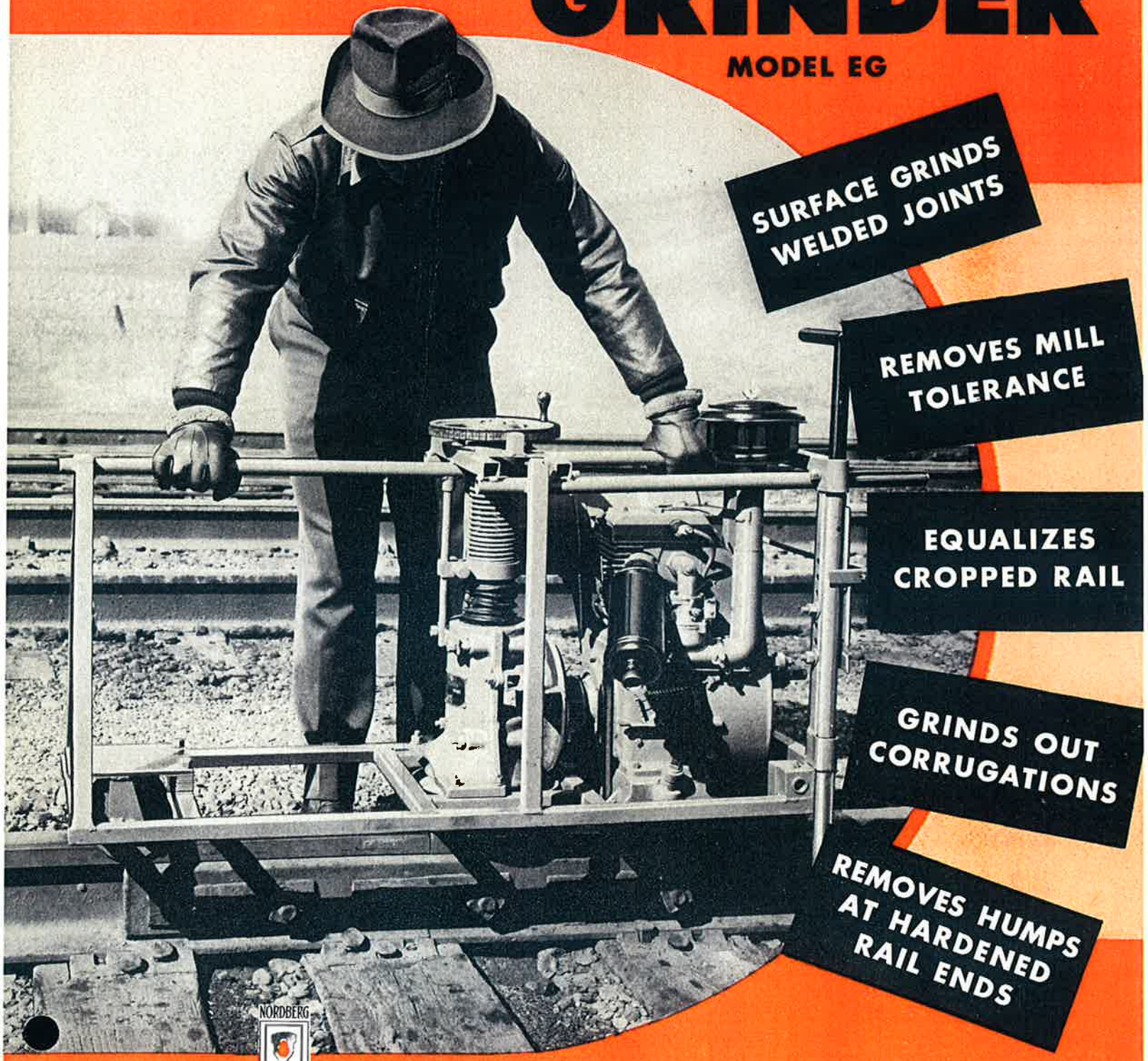
NORDBERG

Midget GRINDER

MODEL EG



SURFACE GRINDS WELDED JOINTS

REMOVES MILL TOLERANCE

EQUALIZES CROPPED RAIL

GRINDS OUT CORRUGATIONS

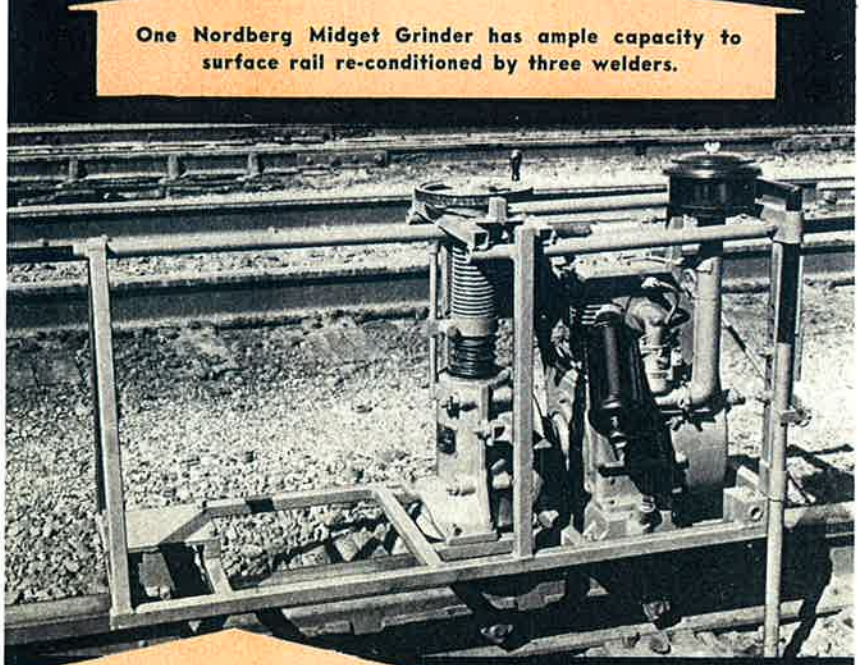
REMOVES HUMPS AT HARDENED RAIL ENDS

NORDBERG MACHINERY

NORDBERG MFG. CO. MILWAUKEE 7, WISCONSIN

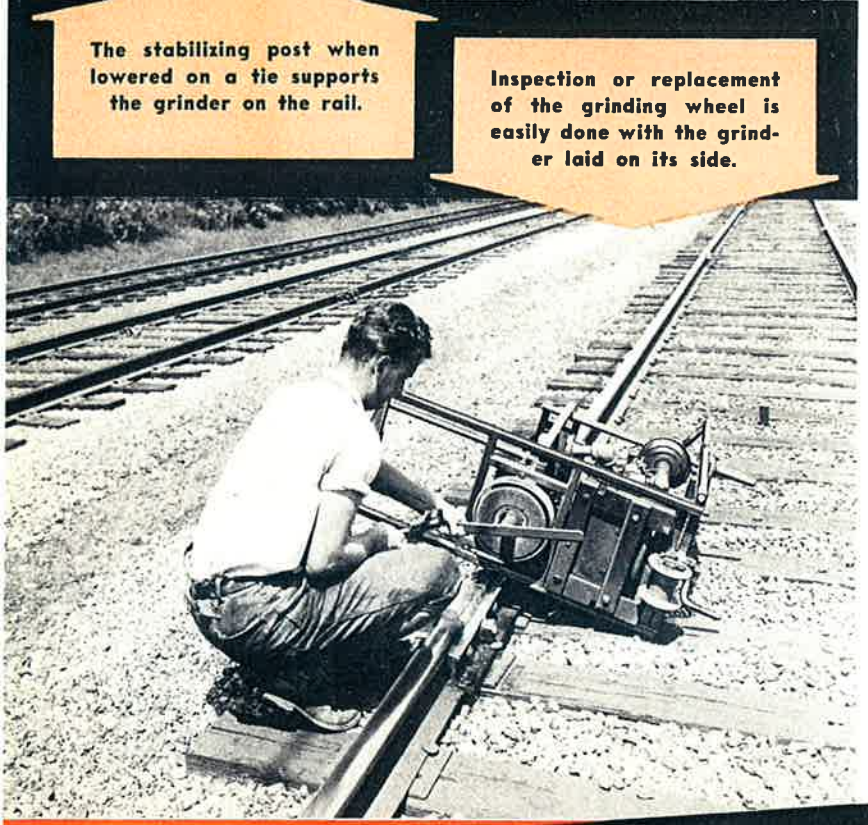
Bulletin 159

One Nordberg Midget Grinder has ample capacity to surface rail re-conditioned by three welders.



The stabilizing post when lowered on a tie supports the grinder on the rail.

Inspection or replacement of the grinding wheel is easily done with the grinder laid on its side.



A One Man Grinder

The Nordberg Midget Grinder is a one-man machine for surface grinding of rail and is applicable for such jobs as grinding rail ends built up by welding, removing mill tolerance, leveling cropped rail, removing humps from hardened rail ends and grinding out corrugations and wheel burns. In operation, the Midget Grinder is rolled back and forth along the rail over the surface to be ground. At the same time, it is rocked across the rail to provide the proper surface contour. It rides on two flanged rollers. A stabilizing post is provided to support the machine when not in operation. Being light in weight, it can easily be removed from and replaced on the rail by the operator. Ease of handling and compact design make this grinder especially desirable for use in congested traffic areas.

This grinder with its 8 inch diameter x 2″ wide x 2″ wall cup wheel will provide a more accurately ground and a more smoothly finished surface than can possibly be obtained by any other method. The wheel is driven through a bevel friction drive by a 6 horsepower, air-cooled gasoline engine. The high mechanical efficiency of this simple, positive drive provides ample power to drive the grinding wheel at its most efficient cutting speed.

The grinding wheel spindle is so arranged that it can be instantly raised from contact with the rail by the lifting of a hand lever. This is a convenience for the operator when examining the ground surface, or testing with a straight edge. In fact, the machine itself acts as a straight edge if care is taken in setting the grinding wheel so that it barely touches the parent metal on each side of the weld. With the Grinder so adjusted, it is impossible to gouge the parent metal at the edges of the weld. Raising the wheel does not alter the setting, since the wheel returns to the original position when again lowered to the rail. The spindle is mounted on ball bearings.

The feed of the grinding wheel is simple and convenient to the operator. A handwheel at the top of the spindle regulates the feed accurately, which results in a precision ground surface in keeping with the highest standards of rail maintenance.

Compact Light Weight Cup Wheel Precision Grinder