



SHERMAN & REILLY

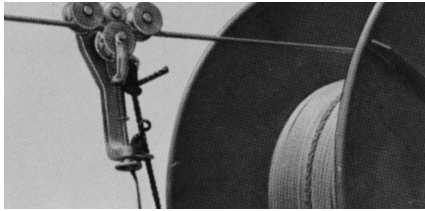
400 West 33rd St. • Chattanooga, TN 37410 USA

Toll Free 1.800.251.7780 • Phone 423.756.5300 • Fax 423.756.2948

Web Site - <http://www.sherman-reilly.com> • E-Mail - sales@sherman-reilly.com

MODEL DG-4100

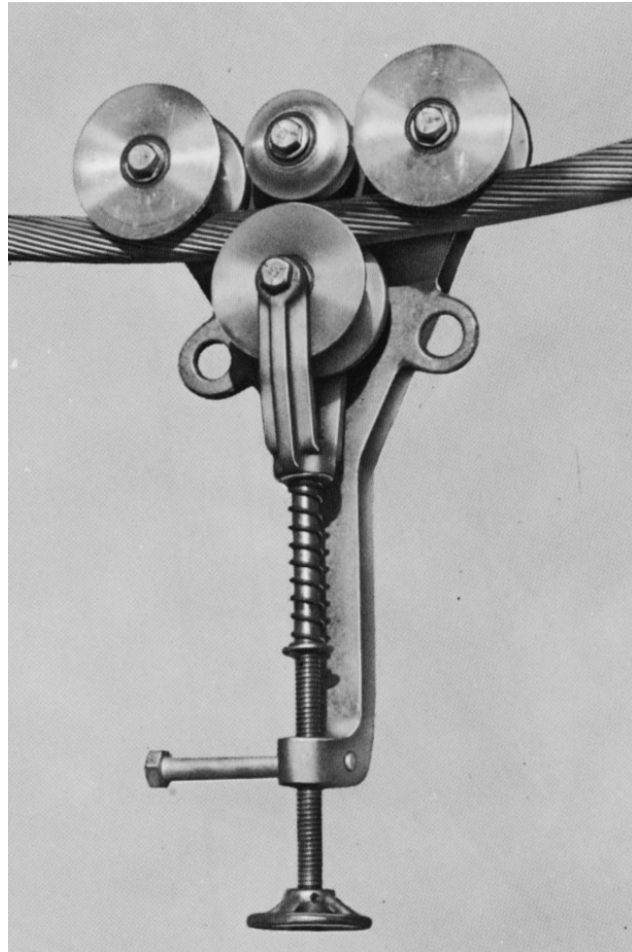
S&R Running Ground



**S&R MODEL NO. DG-4100
RUNNING GROUND**

The S&R Model DG-4100 Ground is designed to give positive contact. Constructed of heat-treated aluminum alloy components, sheaves are mounted on precision ball bearings. Designed to accommodate conductors from .250" diameter thru 1.165" (954 MCM Rail) with adjustable pressure roller, which allows easy passage of sleeves and swivels, yet maintains positive contact at all times even when wire is slack. Open side design enables placing or removing the ground at any point. Grounding stud easily accessible for securing ground wire.

The DG-4100 Ground is also available with steel sheaves. When ordering, specify DG-4100-S. Electrical test data on this model is similar to the standard DG-4100 as shown below.



Results of High Current Tests on
Sherman & Reilly Model DG-4100 Ground

| Test Current (Sym. Amps) | Duration (Cycles) | Voltage Across Test Specimen | Generator Voltage (Volts) | General Comments |
|-------------------------------------|-------------------|------------------------------|---------------------------|---|
| FIRST TEST SPECIMEN DG-4100 | | | | |
| 11,373 | 26 1/2 | 4.5 | 115 | No damage |
| 16,324 | 26 | 6.7 | 168 | Small pit on rollers. Test specimen ran up conductor 2 ft. |
| 20,490 | 26 1/2 | 8.1 | 211 | Same as above |
| 27,843 | 26 | 8.4 | 269 | 3/4" burn on roller nearest source. Pits along conductor as ground moved. |
| 35,785 | 26 1/2 | 14.3 | 360 | Burned bearings out of source side roller, burned conductor, held circuit. |
| SECOND TEST SPECIMEN DG-4100 | | | | |
| 27,206 | 122 | 7.0 | 264 | Blew bearings out of source side roller, froze all of the bearings, blew out source side brush, burned conductor. |

Circuit was maintained on all above tests.

*Dimensions, weights, capacities are approximate. Manufacturer's specifications subject to change without notice.

