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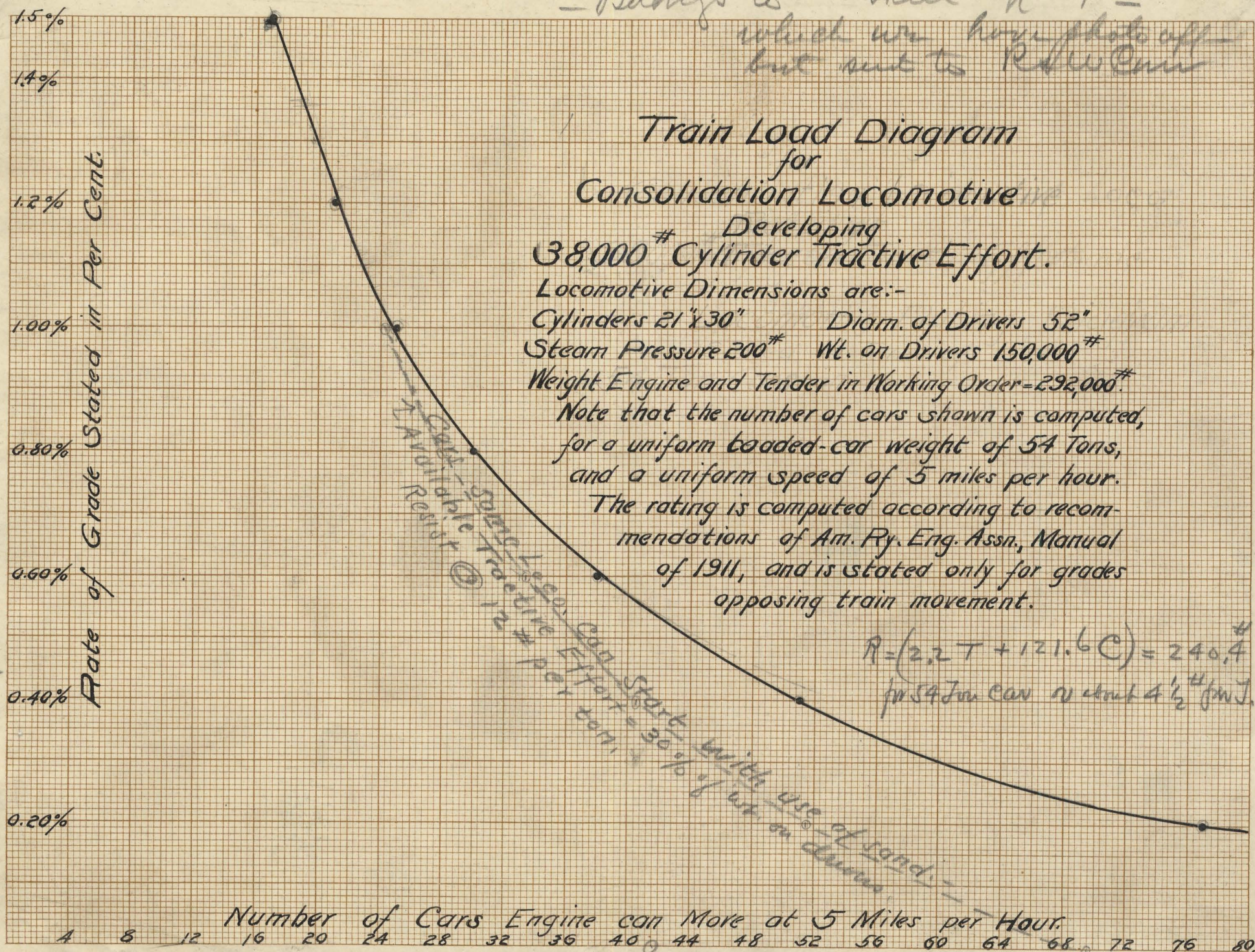
- Belongs to Sheet N° 4 -
 which was hanged off
 but sent to R.W. Orr

Train Load Diagram for Consolidation Locomotive Developing 38,000 # Cylinder Tractive Effort.

Locomotive Dimensions are:-
 Cylinders 21" x 30" Diam. of Drivers 52"
 Steam Pressure 200# Wt. on Drivers 150,000#
 Weight Engine and Tender in Working Order - 292,000#
 Note that the number of cars shown is computed,
 for a uniform loaded-car weight of 54 Tons,
 and a uniform speed of 5 miles per hour.
 The rating is computed according to recom-
 mendations of Am. Ry. Eng. Assn. Manual
 of 1911, and is stated only for grades
 opposing train movement.

$$R = (2.2T + 121.6C) = 240.4$$

for 54 Ton car weight 4 1/2 # per T.



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