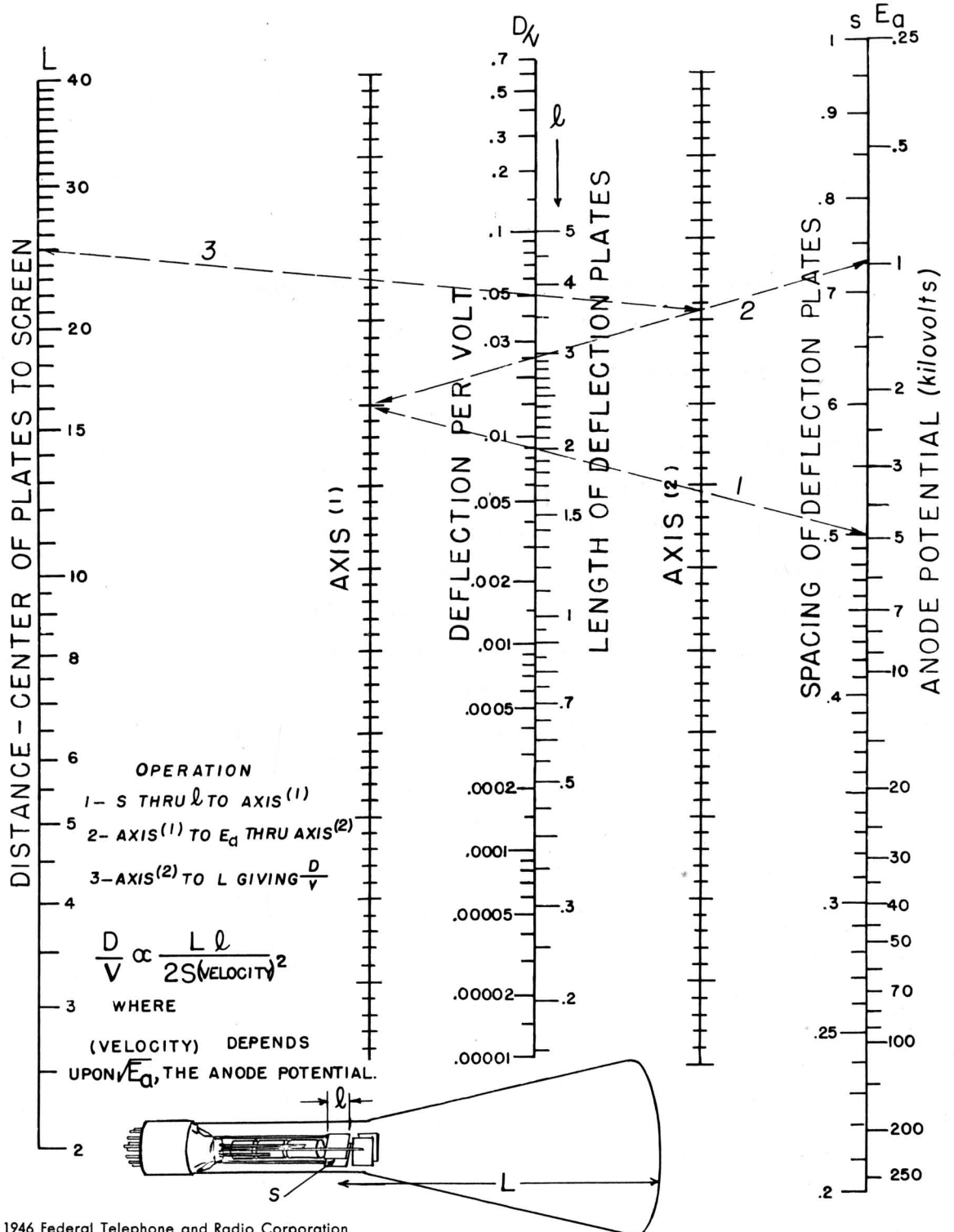


DEFLECTION SENSITIVITY OF CATHODE-RAY TUBE

ELECTROSTATIC DEFLECTION WITH CORRECTIONS FOR VELOCITY OF ELECTRONS



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The electrostatic-deflection sensitivity of a cathode-ray tube, for a given anode potential E_a , depends on spacing S and length l of deflection plates, and their distance L to the screen. A line from l and S scales is extended to axis (1). From latter intersection a second line is drawn to E_a scale intersecting axis (2). From this point, a third line is drawn through L and extended to intersect D/V scale at left. S , l , L , and D may all be in any convenient system of dimensions.