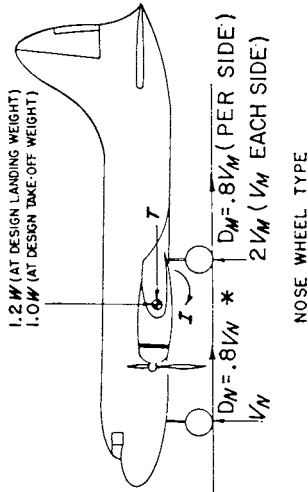


FIGURE 6—Braked roll.

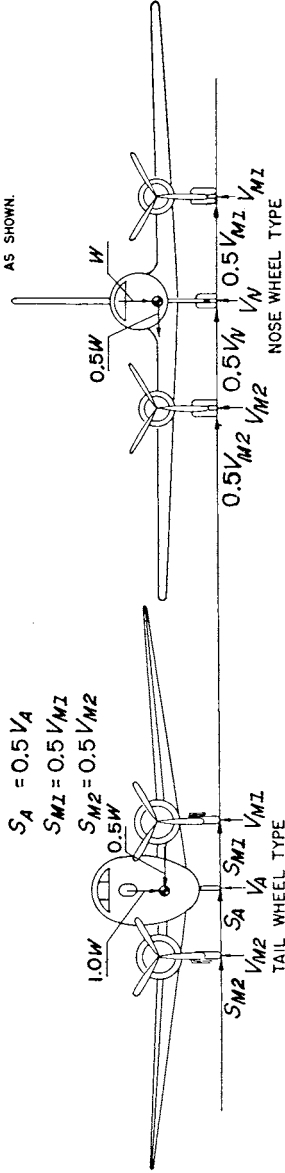
$T$  = INERTIA FORCE NECESSARY TO BALANCE THE WHEEL DRAG  
 $* D_N = 0$  UNLESS NOSE WHEEL IS EQUIPPED WITH BRAKES.  
 FOR DESIGN OF MAIN GEAR  $V_N = 0$   
 FOR DESIGN OF NOSE GEAR  $I = 0$



TAIL WHEEL TYPE

FIGURE 7—Ground turning.

THE AIRPLANE INERTIA FACTORS AT  
 CENTER OF GRAVITY ARE COMPLETELY  
 BALANCED BY THE WHEEL REACTIONS  
 AS SHOWN.



$S_A = 0.5V_A$   
 $S_{M1} = 0.5V_{M1}$   
 $S_{M2} = 0.5V_{M2}$

TAIL WHEEL TYPE