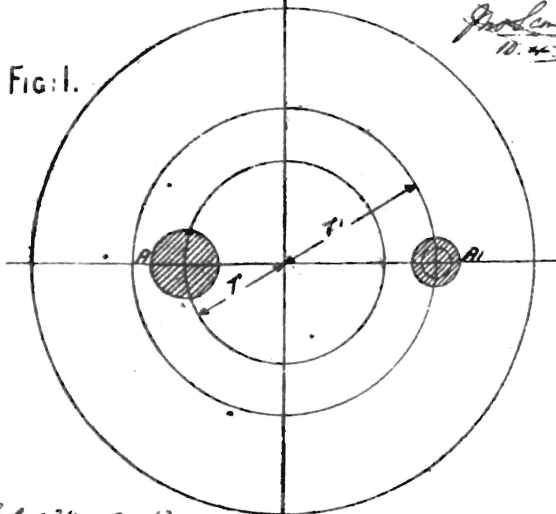


## Diagrams for Balancing Loco. Engines.

*Problem*  
10. 24. 21

FIG. 1.



$2a = 6 \frac{1}{2}$  C. of Cyl.  $\cdot 24$   $a = 12$   
 $2d = 6 \frac{1}{2}$  C. of Balance Weights  $\cdot 56$   $d = 28$   
 $r = 12$  and  $r_1 = 18$   
 $x = 16$  and  $y = 40$   
 $A = 400$  lbs.  $A_1 = 190.5$  lbs and  $A_2 = 76.2$  lbs

FIG. 2.

