



Item	Weight	Feet Aft	Moments Aft	Feet Ford	Moments Ford
Gear and Wheel	200	12.4	2480		
Fuel Tanks	250	5.8	1450		
Engine and Fittings	900	4.6	4040		
Sloop	200	1.2	240		
House	600			0.7	420
Hull	8000			1.0	8000
Centerboard etc.	360			2.0	720
Anchor etc.	250			15.2	3800
Total	10760		7810		12940

Moments For'd 12940

Moments Aft 7810

Excess Ford = 5130

Center of Gravity = $\frac{5130}{10760} = 0.48$ ft for'd of M.S.

FIGURE 10. The method of calculating the center of gravity of a design, as carried out in practice.