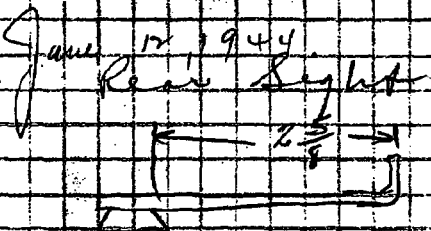


DATE

SUBJECT OF EXPT.

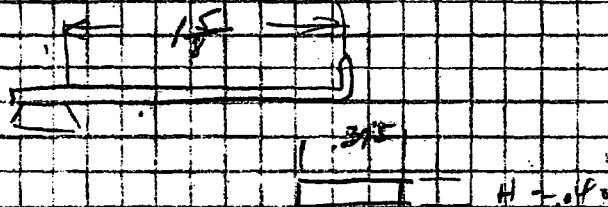


17 720

$\frac{7}{64}$ $\frac{18}{64}$

Deflection = .172

17 720



Assume S of 150,000

$$F = \frac{2SL^2}{3EH} \quad H = \frac{2SR^2}{3EE}$$

$$H = \frac{2(150,000)(1.625)^2}{3(3 \times 10^7) \cdot .172} = 0.0014$$

$$P = \frac{1.625^2}{50 \cdot .01} = 0.51$$

$$P = \frac{Sbh^2}{6L} = \frac{150,000(375) \cdot .0014}{6(1.625)} = 9.0$$

EXPERIMENTER

WITNESS

DATE

DATE