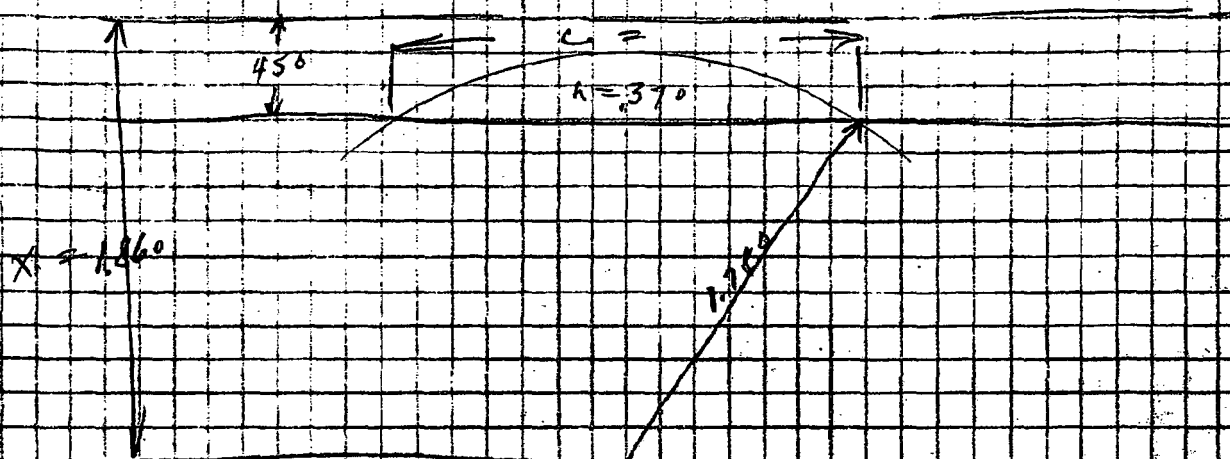


DATE

7-19-44

SUBJECT OF EXPT.

Cutting centers



$$\begin{array}{r} 1.860 \\ 220 \\ \hline 1.640 \\ 450 \\ \hline 1.640 \end{array}$$

$$\begin{array}{r} 1.860 \\ 450 \\ \hline 1.410 \end{array}$$

$$\begin{array}{r} 1.410 \\ 450 \\ \hline 1.370 \end{array}$$

$$\begin{array}{r} 2.000 \\ 2.000 \\ \hline 0.000 \end{array}$$

$$\frac{h}{r} = \frac{.370}{1.750} = .208$$

$$\frac{.00014}{.0054} \times .013 = \frac{.0034}{.0054}$$

$$\frac{C}{r} = 1.221$$

$$C = 2.193$$

For 1.750 R cutter

$$\frac{C}{r} = \frac{2.193}{1.750} = 1.242$$

$$\frac{.011}{.014} \times .0054 = \frac{.0042}{.0054}$$

$$\frac{h}{r} = 1.162$$

$$h = .3785$$

$$\begin{array}{r} 1.750 \\ 378 \\ \hline 1.372 \\ 1.372 \\ \hline 0.000 \end{array}$$

$$X = 1.750 - .378 + .450 = 1.822$$

EXPERIMENTER

WITNESS

DATE

DATE