

Costs

$$\begin{array}{r}
 452.39 \rightarrow V_{\text{stock}} \\
 \times .2553 \rightarrow \text{density} \\
 \hline
 115.49 \text{ lbs} \times \frac{\$6.50}{\text{lb.}} = \$750.\overline{72} \text{ per bar stock}
 \end{array}$$

$$\begin{array}{r}
 1.7069 \rightarrow \text{Volume of finished part} \\
 \times .2553 \\
 \hline
 \end{array}$$

$$4358 \text{ lbs./part} \times 60 \text{ parts} = \underline{26.146 \text{ pounds of finished part}}$$

$$\begin{array}{r}
 115.49 \rightarrow \text{stock weight} \\
 - 26.146 \rightarrow \text{Finished good weight} \\
 \hline
 89.344 \text{ lbs. of scrap} \\
 \times .65 \\
 \hline
 \$58.\overline{07} \rightarrow \text{scrap value}
 \end{array}$$

$\frac{\$6.50}{\times .10} = \$0.65 \rightarrow \text{per pound of scrap}$
 ←

$$\begin{array}{r}
 \$750.\overline{72} \rightarrow \text{stock cost} \\
 - \$58.\overline{07} \rightarrow \text{salvage} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \$692.\overline{65} \rightarrow \text{total mat'l cost} \\
 \div 60 \rightarrow \text{Parts per stock} \\
 \hline
 \end{array}$$

$$\$11.\overline{54} \text{ material cost per part}$$