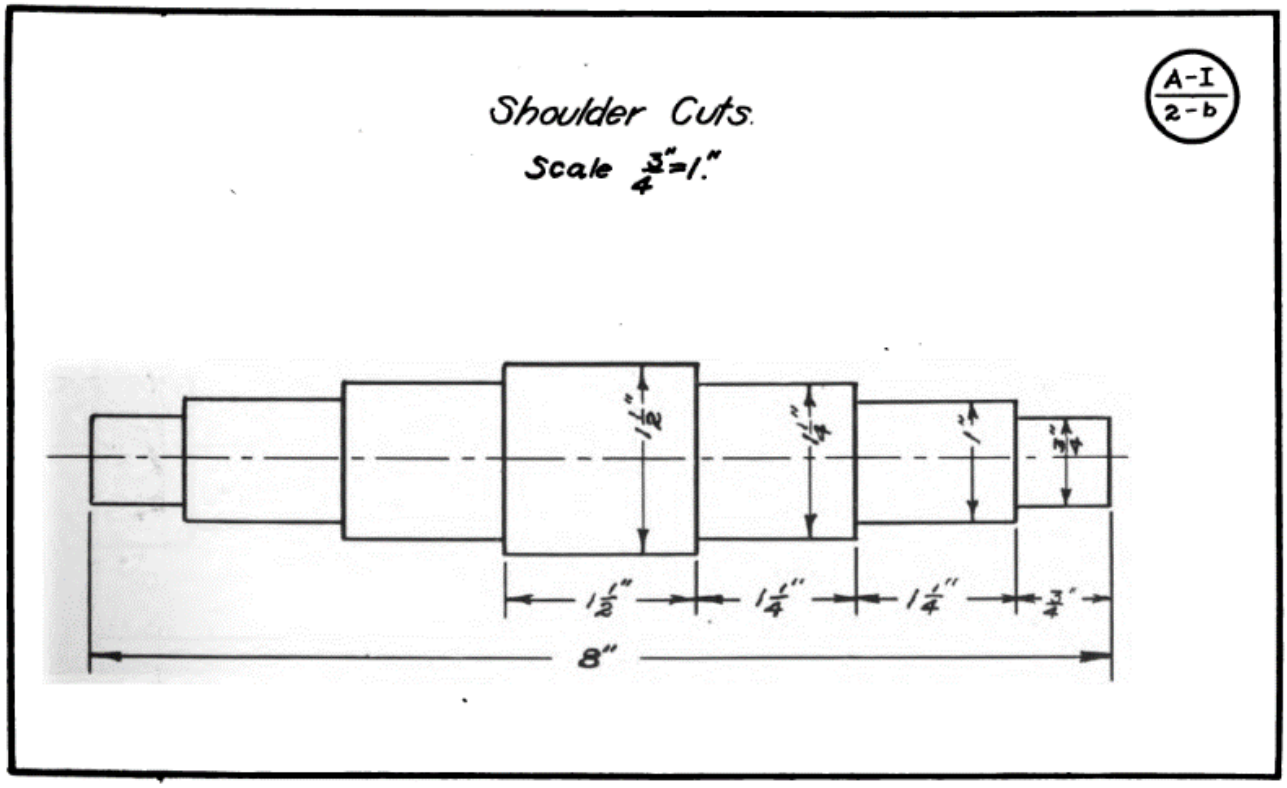
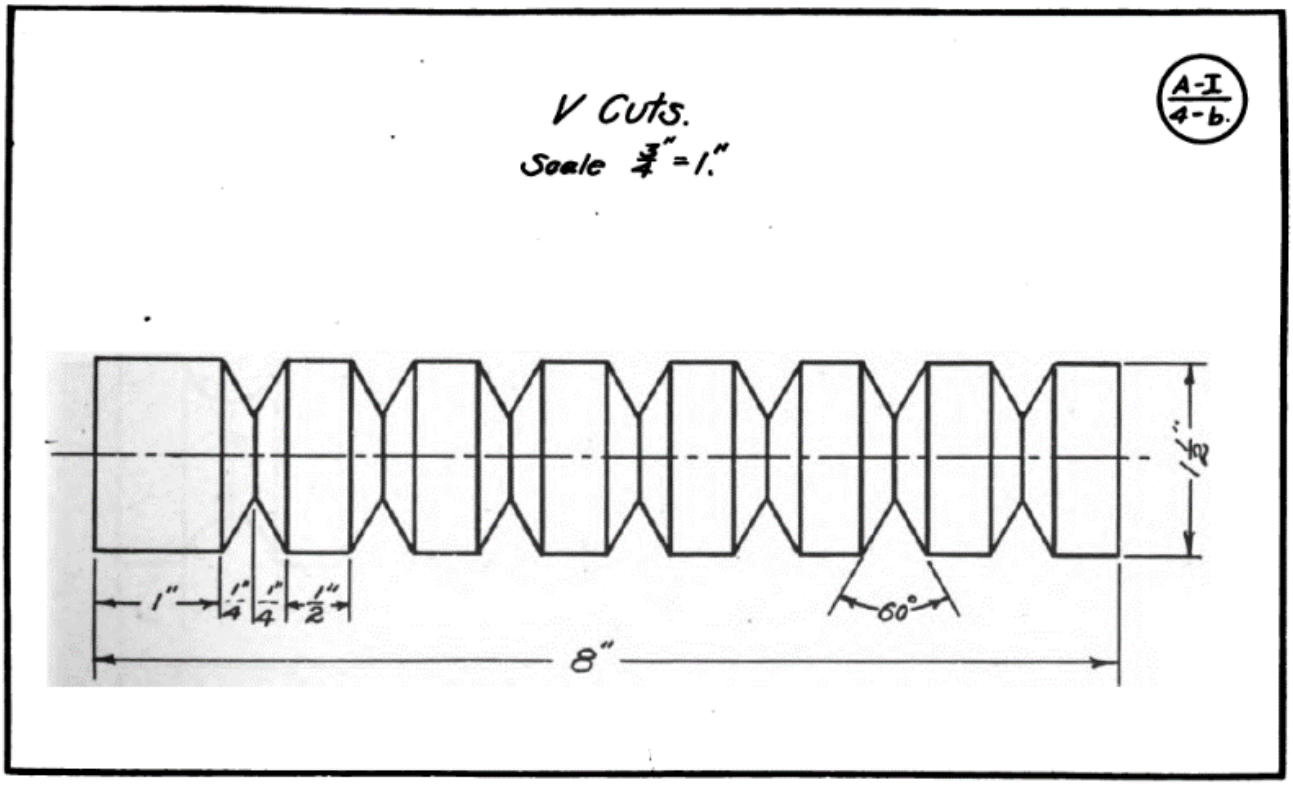
TURNING BASICS CLASS
EXERCISES & PROJECTS

These exercises are from *A Course in Wood Turning*, published in 1919 by high school shop teachers Archie Milton and Otto Wohlers. Each exercise begins with turning a perfect cylinder, then layout and cutting to shape. Also, as the authors make clear in Chapter 1, *If scraping is allowed the educational value of the work is lost.*

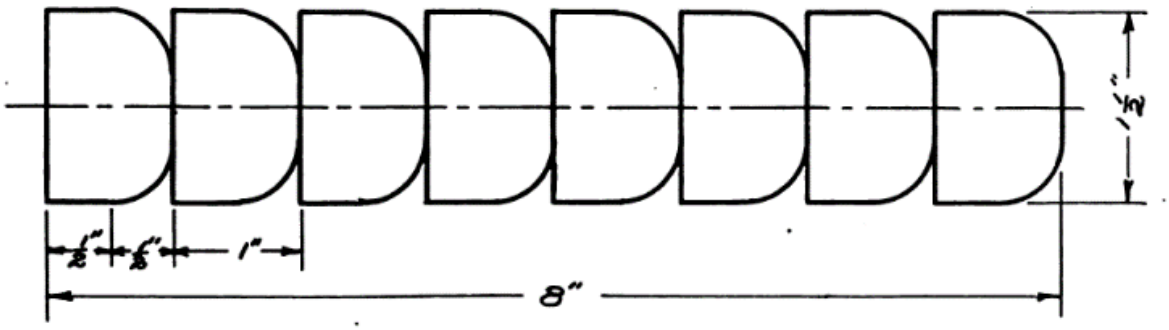




A-I
6-a.

Convex Cuts

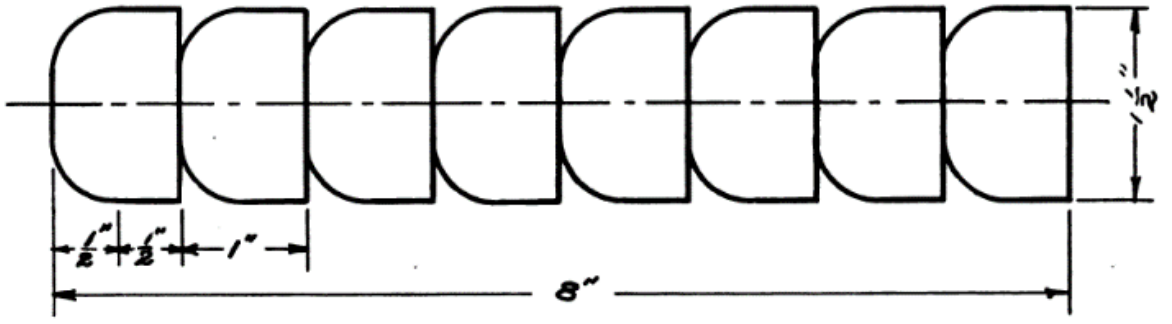
Scale $\frac{3}{4}$" = 1"



A-I
6-b.

Convex Cuts

Scale $\frac{3}{4}$" = 1"



The class project is turned from kiln dried construction grade 2x4 to show how inexpensive or free wood may be used for practicing basic tool handling and control.

The candle stick project is useful for learning faceplate and spindle turning. It combines the use of drilling on the lathe, making and using a turner-made jam chuck, all of which provide useful skills for more complex projects.

In the book Elementary Turning, published in 1909, author Frank Selden writes that "candlesticks of wood are not very useful, yet they are excellent exercises in turning."

Pictured below are story stick templates used in the class. You will be asked to choose one to use for turning your candlestick spindle. One has a bead near the capital (where the candle would be placed), and one has the bead near the base.

Please note that the lines on the story stick that touch the ruler are the same orientation that the story stick will be used to mark the blank. This means that the candlestick capital is turned on the left or headstock side and the tenon which goes into the base, is on the tailstock side.

The pictured ruler is to allow exact duplication of the story stick, which allows nearly exact duplication of the candlestick spindle.