

Application to "Little Boy"

Now let's turn to the model of "Little Boy." The large cutaway drawing below (Figure 1) is the original source illustration for the model. As mentioned before, good drawings are essential for success. (On the Internet and in our university and local libraries, I located several clear drawings of both "Fat Man" and "Little Boy.") All of the drawings were one-views, but since most bombs are cylindrical and symmetrical, the single view was enough for all but the fins. For those I relied on photographs I had taken of the full-sized display of "Little Boy" on exhibit at the Air Force Museum in Dayton, Ohio.

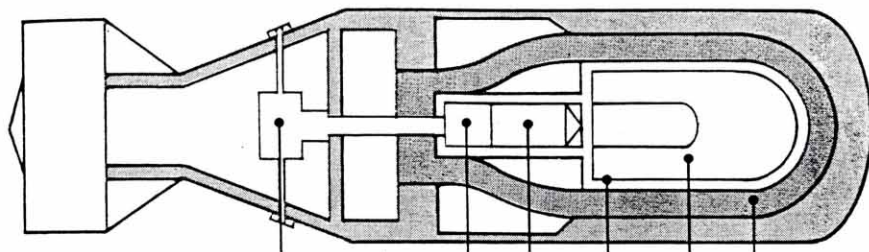


Figure 1

I began by redrawing the original on tracing paper, translating the curves into straight-line segments (Figure 2).

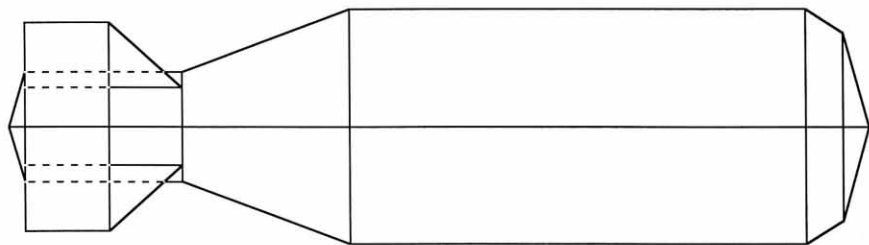


Figure 2

I then reduced this drawing by 50% (Figure 3) to arrive at a more manageable size for the finished model. This is also the size at which the model in the article is calculated and developed.

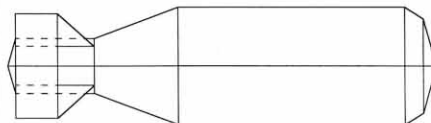


Figure 3