Self- Supporting Tower

Credit Line: Radio 1957, #1, p. 27

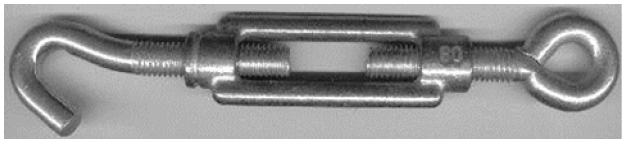
Figure 1 shows the Self- supporting Tower. The tower consists of from three wooden laths. Each lath is in 3- meter length and 60- 70- mm thick. Lower lath is placed into a steel tube. The laths are fixed between each other by pieces of steel's tubes. Four steel stripe (4-mm x 400- mm, placed with 90 degree between each other, like cross) weld on to the tubes. Holes in diameter 6- 8- mm are drilled at the ends of the strips. The holes are for bracing wire that did support of the tower.

Item 1: Cross 4- mm x 40- mm

Item 2: Cross 4- mm x 400- mm

Item 3: Bracing wire in diameter 3- 4- mm

Item 4: Turnbuckle



Turnbuckle

Bracing wire made of a steel wire in diameter 3- 4- mm. The bracing wire should be proper stretched with the help of steel turnbuckle. The stretching is defined the strength of the tower.

The tower sits in a foot bearing. It is possible to turn the tower around 90- degree from the axis.

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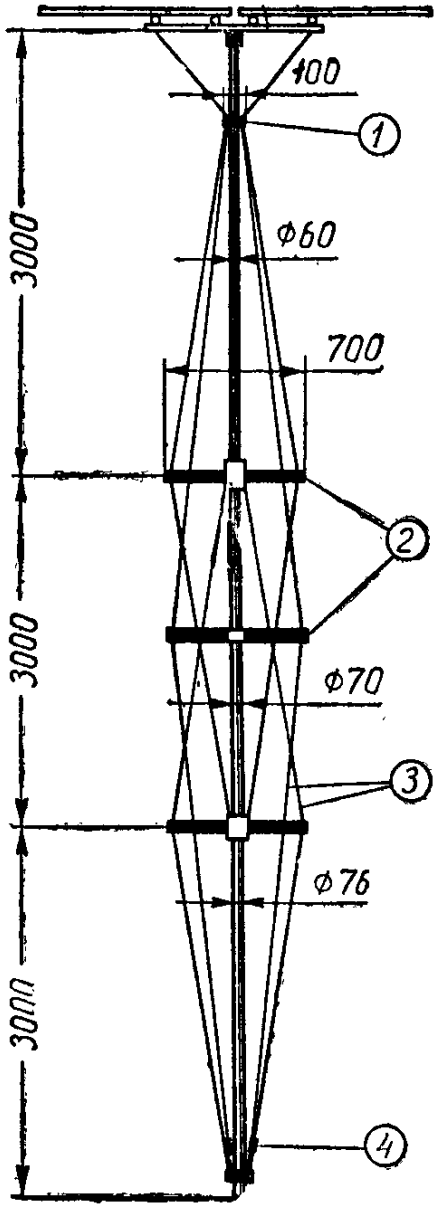

Figure 1 Self- Supporting Tower