

## BUILDING ELEMENTS OF ROUND-WOOD

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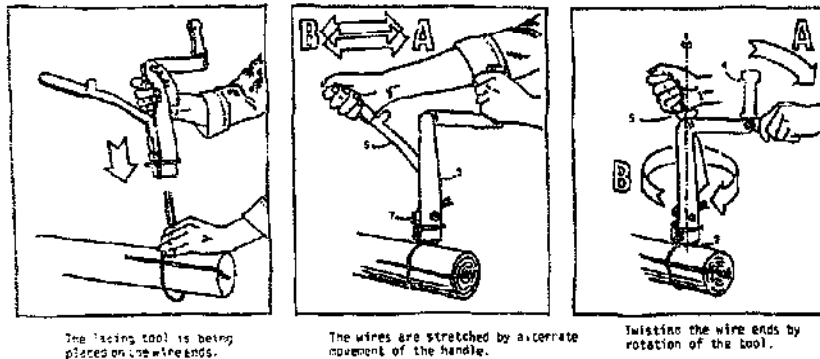
Method of constructing rather Mr large buildings from round-wood of small dimensions, including a wire lacing tool for connecting and protecting the round wood ends.

The heart of this invention is a wire lacing hand-tool which makes it possible to use round-wood of small dimensions, 8 to 15 centimetres in diameter, for building purposes. Galvanised steel wire is used for the lacing which has two functions i.e. to secure connections between pieces and to avoid splitting of the ends.

The building system includes small connecting pieces of flat metal, which make it possible to use round-wood of small dimensions for building rather large house structures. In many situations this means a switch-over from imported timber to local resources. The initial investment in tools and material will be low and most of the work can be carried out locally after a short training period. The strength of the building will in most cases be better than with traditional construction methods.

The combined stretching and fixing action of the lacing tool is new. It can be used also for connecting and reinforcing bamboo pipes as well as wood stave pipes and containers.

A rather large building for testing and demonstration purposes has been erected in the Netherlands



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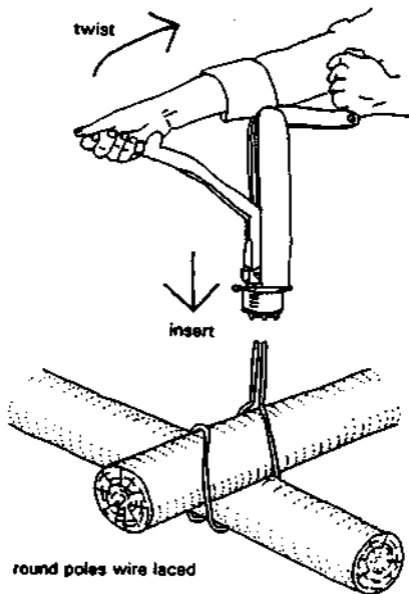


Fig. 5.2 *Diagram of the Delft wire lacing tool.*  
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