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United States Patent [19]

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Button et al.

[45] Date of Patent: **** Jun. 30, 1992**

[54] **KNIFE SHARPENER**

4,903,438 2/1990 Smith 51/211 R
4,912,885 4/1990 Bonapace 76/82

[75] Inventors: **Frank R. Button; Alvin E. Taylor,**
both of Lake Hamilton, Ark.

OTHER PUBLICATIONS

[73] Assignee: **The TRI-V Corporation,** Percy, Ark.

Chicago Cutlery Catalog, 1983, p. 7, Crock Stick Sharpeners.

[**] Term: **14 Years**

Primary Examiner—Bernard Ansher

[21] Appl. No.: **358,606**

Assistant Examiner—Philip Hyder

[22] Filed: **May 30, 1989**

Attorney, Agent, or Firm—George F. Helfrich

[52] U.S. Cl. **D8/93**

[58] Field of Search D8/91, 92, 93;
51/211 H, 157, 158, 211 R, 214, 205 HG, 221
BS; 76/86, 88

[57] CLAIM

The ornamental design for a knife sharpener, as shown and described.

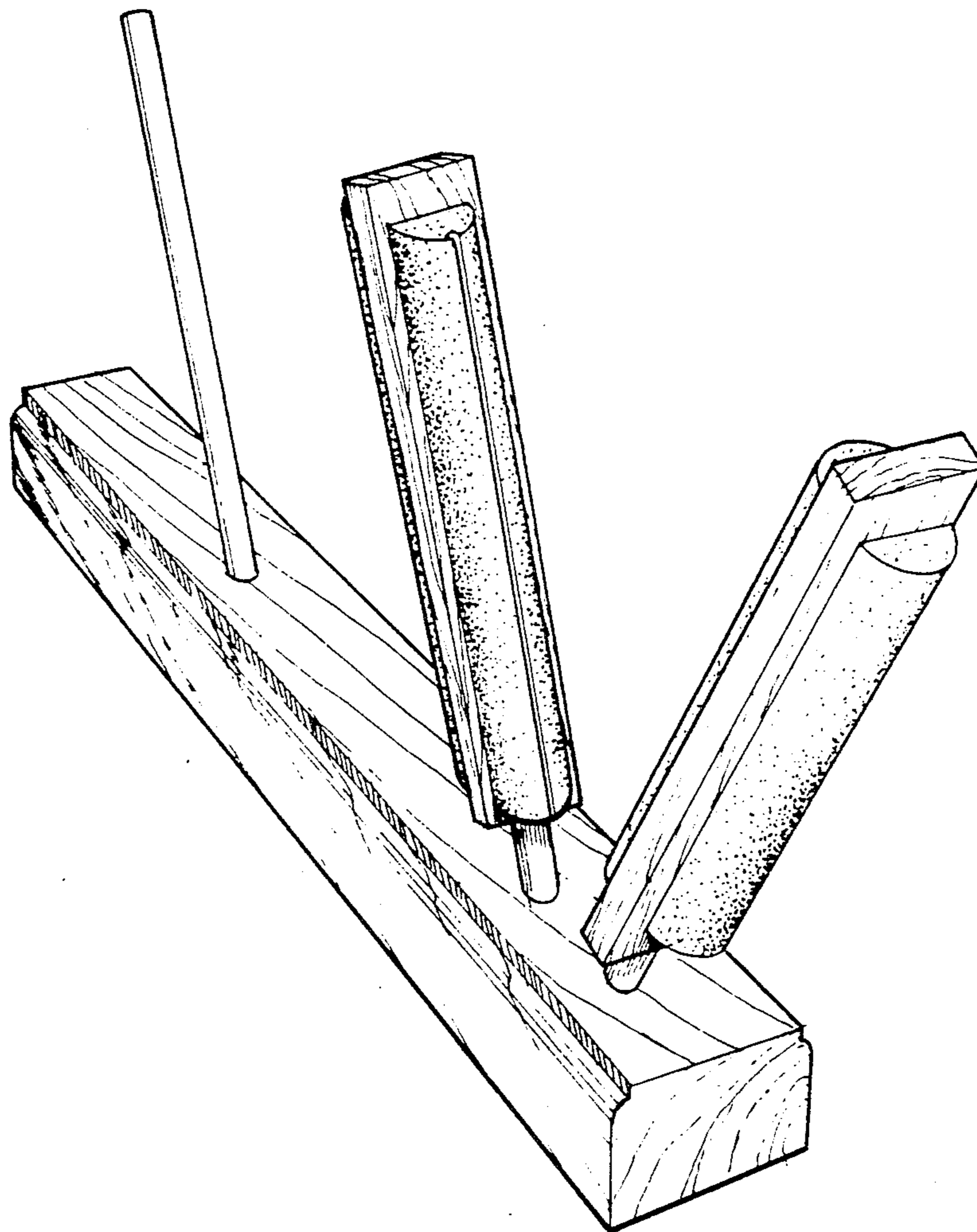
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DESCRIPTION

FIG. 1 is a perspective view of a knife sharpener showing my new design;
FIG. 2 is a right side elevational view thereof;
FIG. 3 is a left side elevational view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a rear elevational view thereof; and,
FIG. 7 is a front elevational view thereof.



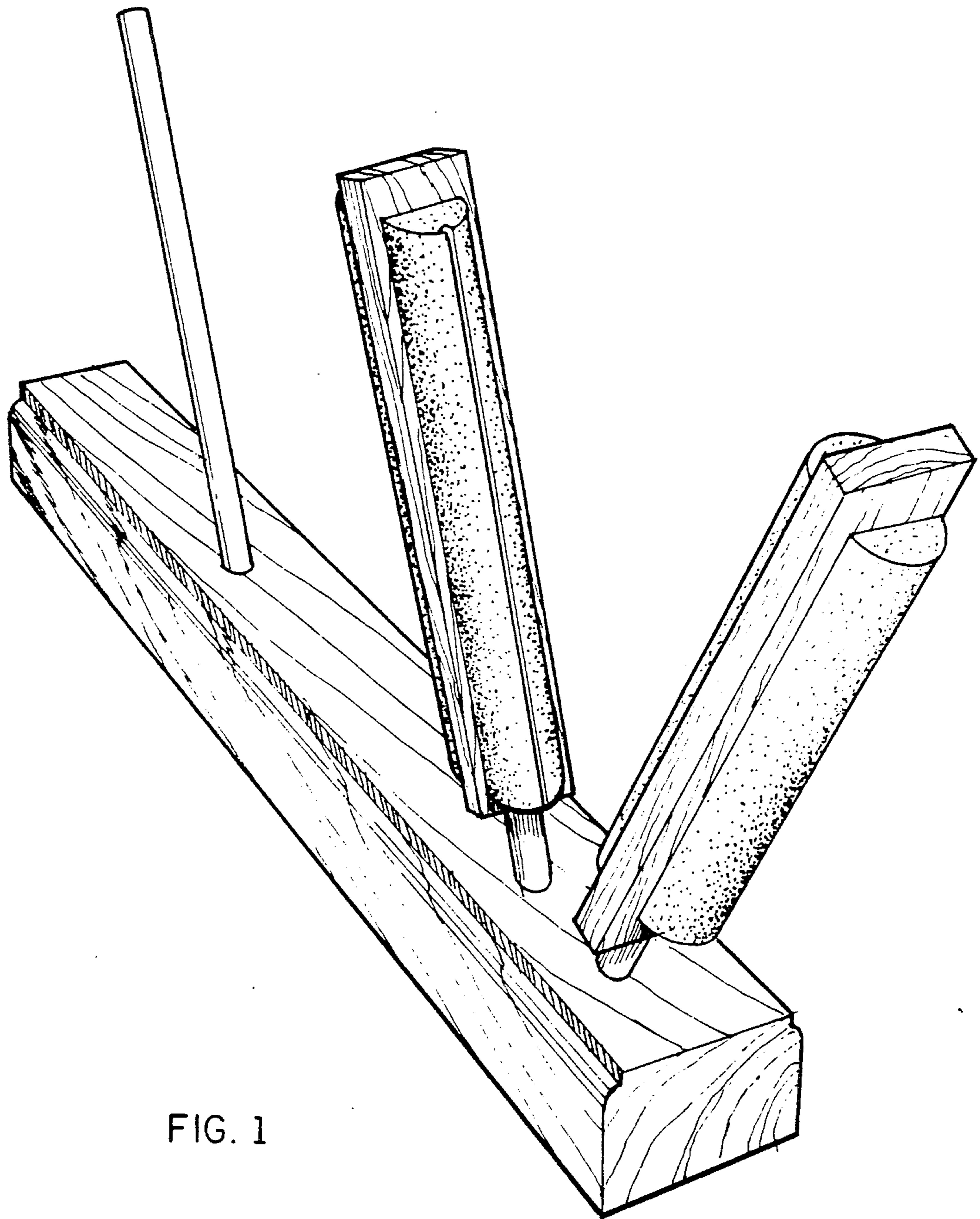


FIG. 1

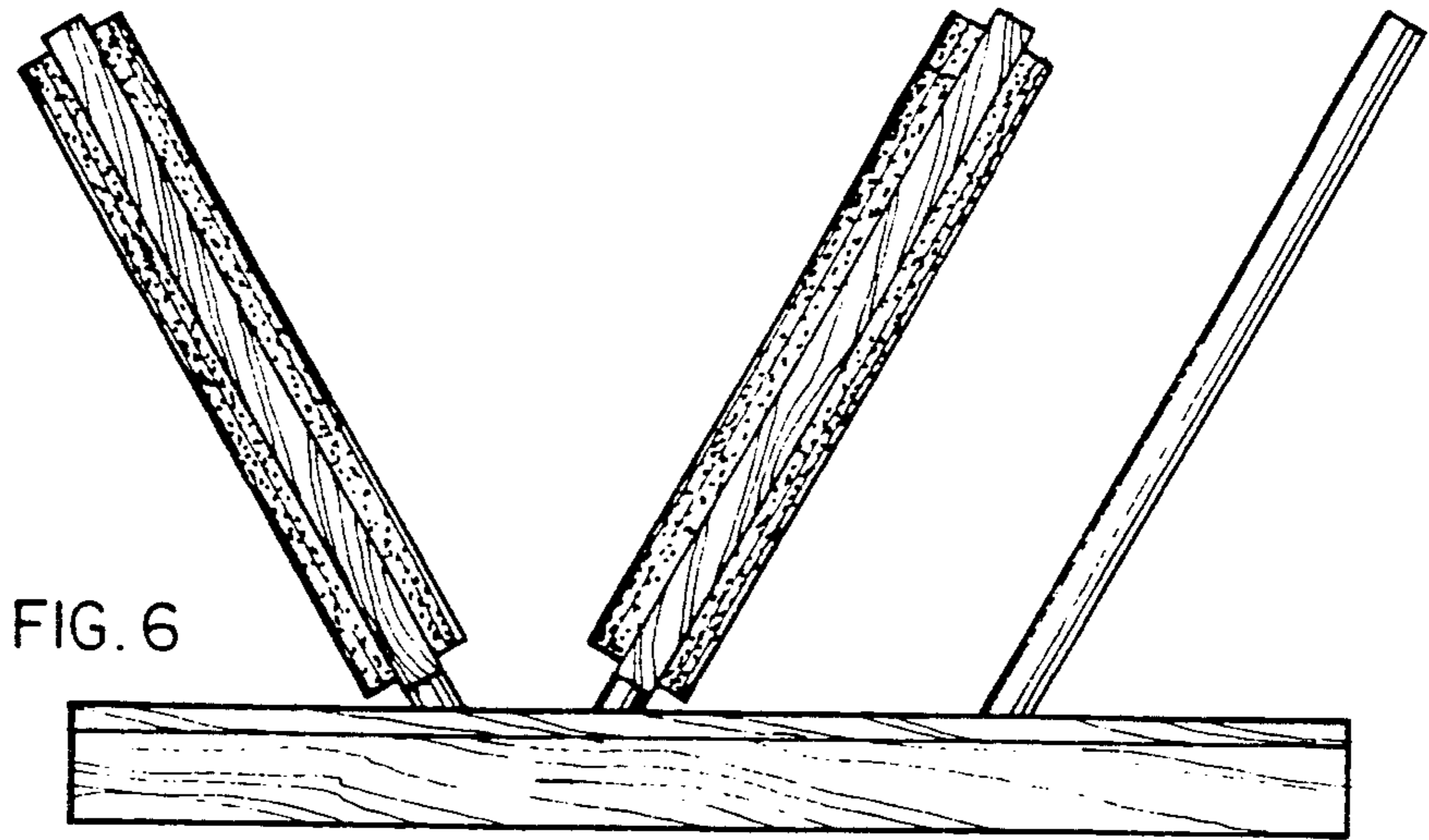


FIG. 6

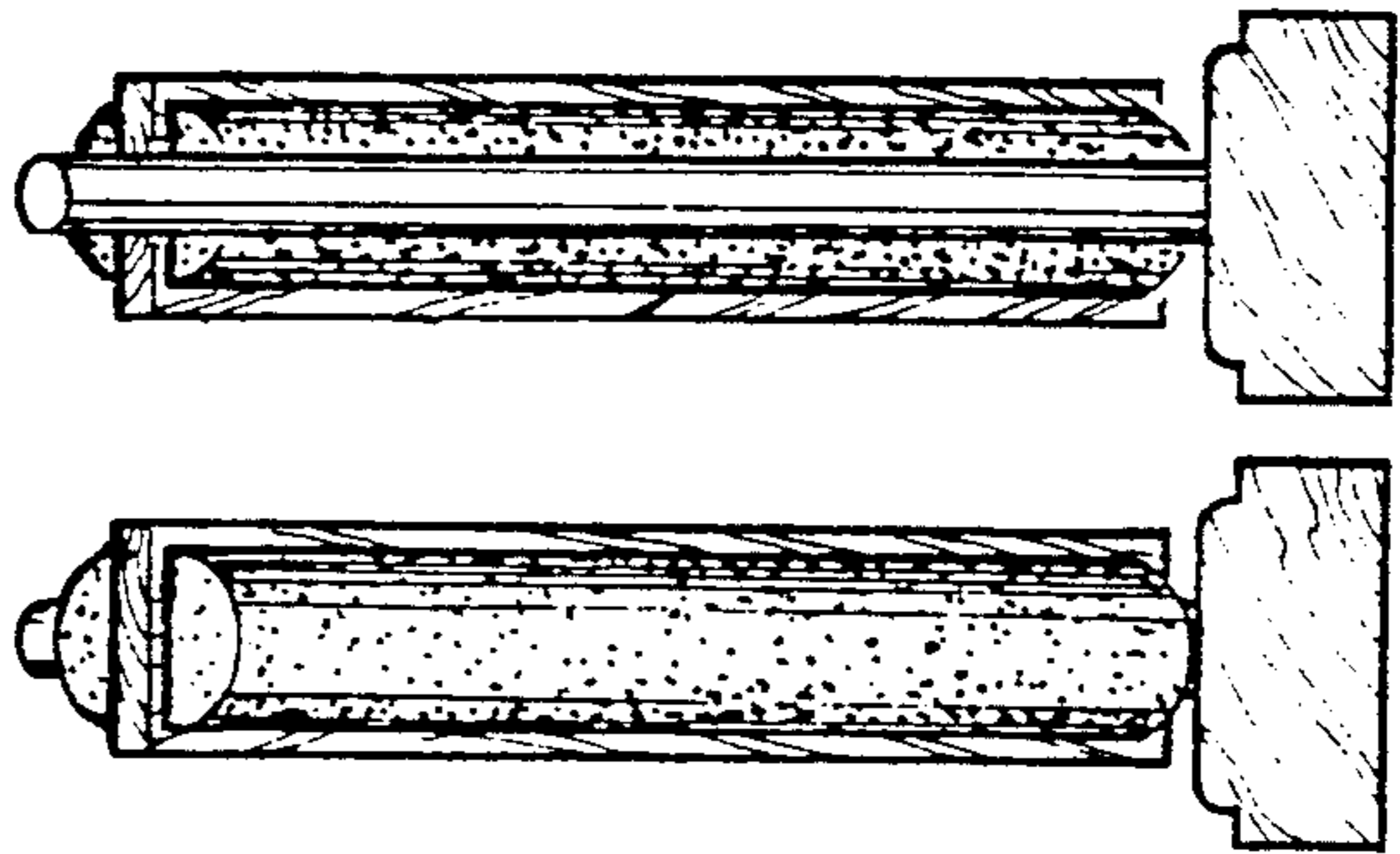


FIG. 3

FIG. 2

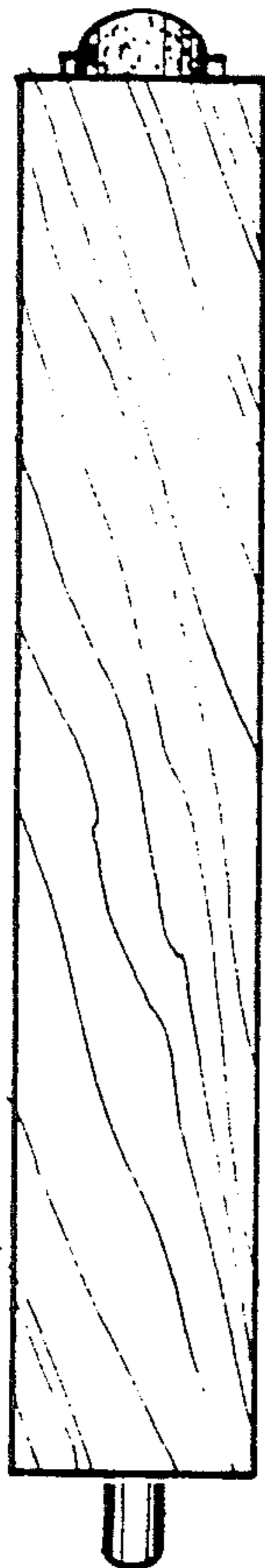


FIG. 4



FIG. 5

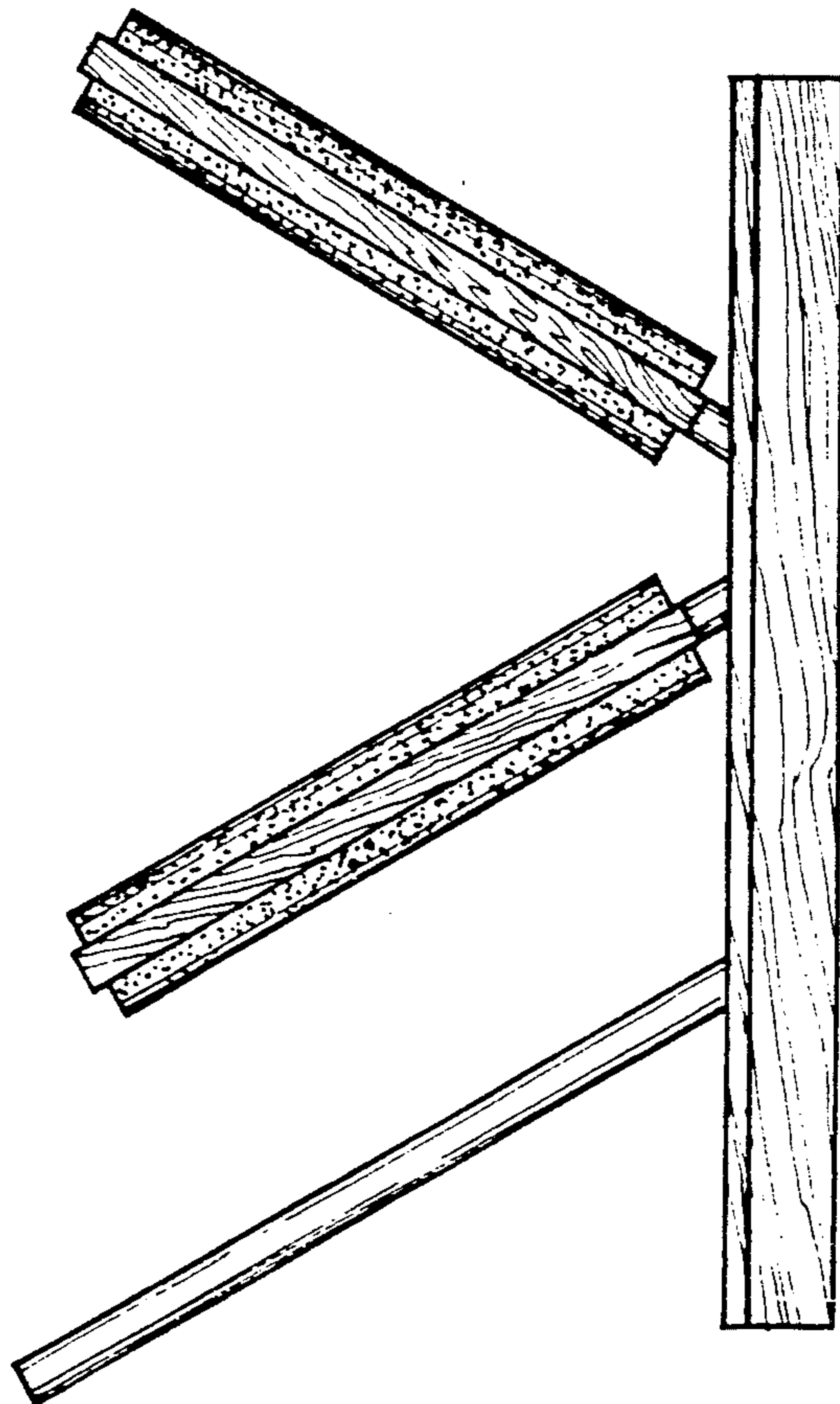


FIG. 7