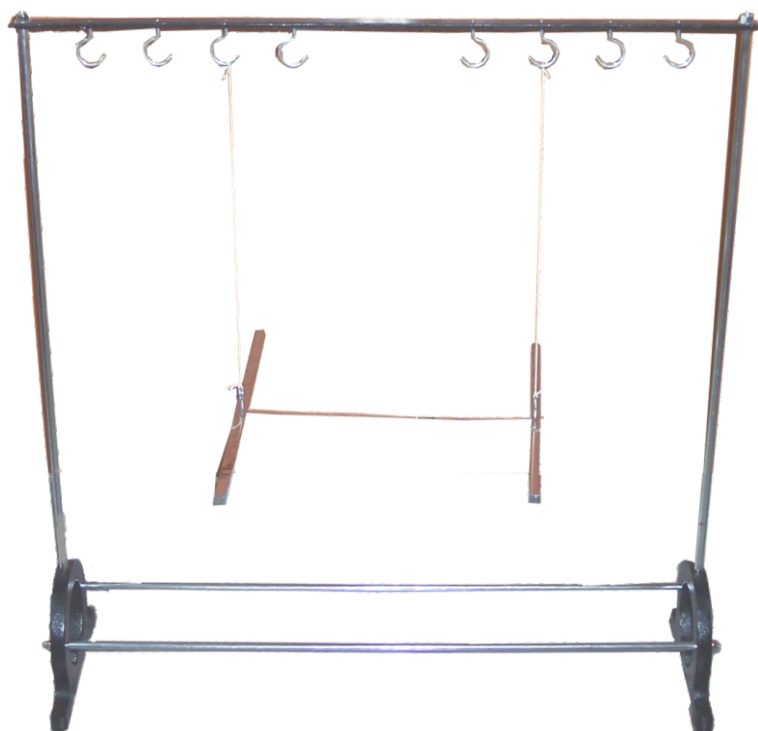


Experiment(s):

1. To determine the elastic constant of Iron

(For more details, procedure & manual visit: www.kamaljeeth.net)

**Experiment Setup Consists:**

- a) Searle's double bar on a stand
- b) Digital clock

Specifications:**a) Searle's double bar on a stand**

Bar: Solid brass bars (2nos)
 Cross section: Square 10mm
 Length: 150mm
 Stand: Rigid Cast Iron, 600mm length with hooks
 Sample: Steel wire of different cross-sections

b) Digital Stop Clock

Range: 0-999.9 Sec
 Resolution: 0.1 Sec
 Time Measuring: Manual Start/Stop
 Power: AC 220V/50Hz or AC 110V/60Hz
 Power Consumption: <30W

Reference : Lab Experiments Journal, Manual cum workbook



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