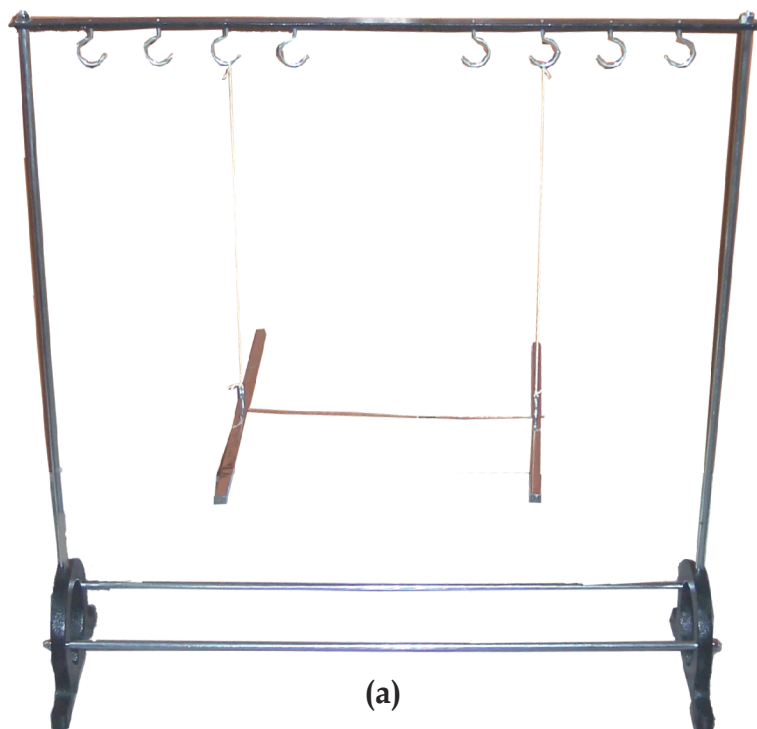


**Experiment(s):**

1. To determine the elastic constant of Iron

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://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 (2 nos)  
 Cross section: Square 10 mm  
 Length: 150 mm  
 Stand: Rigid cast iron, 600 mm 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  
 Rated Input: 220 V/50 Hz  
 or 110 V/60 Hz  
 Power consumption: <30 W



**KAMALJEETH INSTRUMENTS**

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