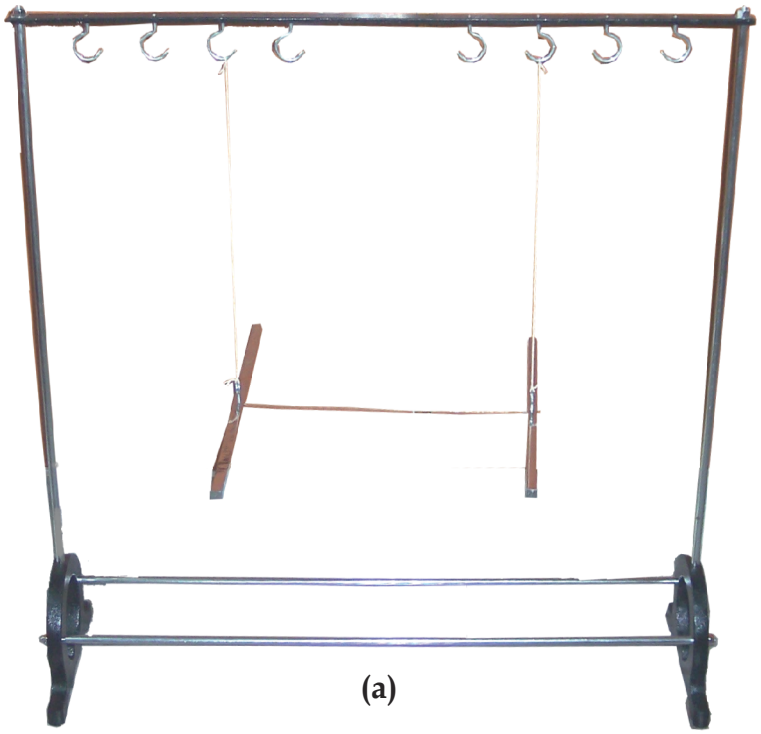
**Experiment(s):**

1. To determine the elastic constant of Iron

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



(a)


(b)

**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