Beam Testing Set-Up and Diagram

**Set-Up Supplies**
- spring scale or weighing container
- weights (kg or lb) (F)
- 2 table tops (alternative: 2 ring stands)
- 10 lb test fishing line
- fishing line knot with paper towel to avoid line cutting into beam
- composite beams

**Set-Up Procedure**
1. Cut four- to five-foot length of 10 lb test fishing line (A).
2. Fold line length in half and fasten to spring scale or weighing container (B, A).
3. Tie the ends together and wrap a paper towel in a neat folded fashion; place the towel on the beam top to protect the beam (see C); the large loop should have two tension lines per side (see A).
4. Move together two sturdy tables (see D) (or ring stands), leaving a distance between them of approximately three inches.
5. Make sure the beam (E), string and pan height have a clearance from the ground (or table top) of a minimum ¼ inch.