

# US★GENERAL®

## DRAFTING MACHINE

**Model 1815**

### INSTRUCTIONS AND PRECAUTIONS



Table sold separately.

Visit our website at: <http://www.harborfreight.com>



### SAVE THESE INSTRUCTIONS. READ ALL PRECAUTIONS AND INSTRUCTIONS.

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For technical questions, please call 1-800-444-3353.

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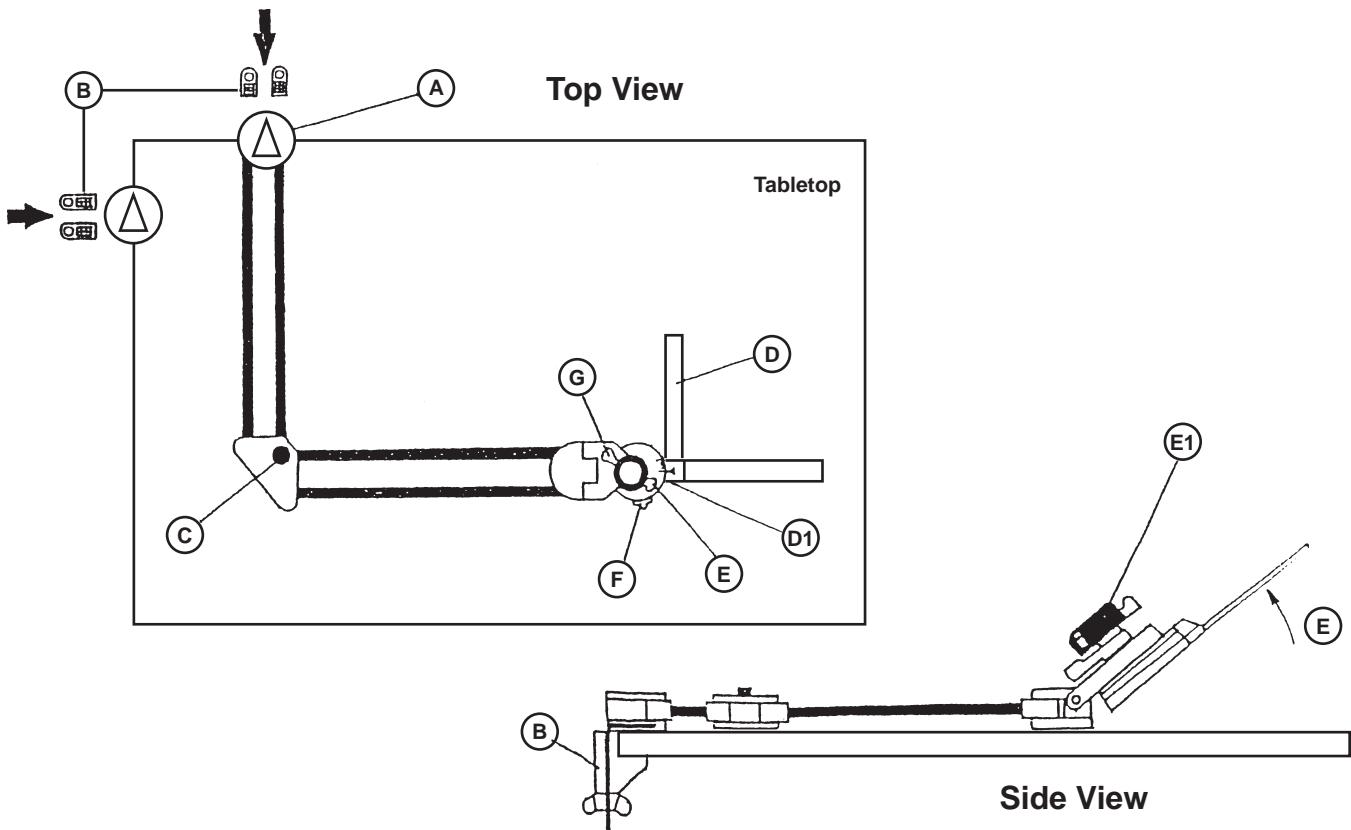
#### UNPACKING

When unpacking, make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at 1-800-444-3353 as soon as possible.

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#### IMPORTANT SAFETY INFORMATION

1. Setup only according to these instructions. Improper setup can create hazards.
2. This product is not a toy. Do not allow children to play with or near this item.
3. Keep fingers clear of hinges while moving.
4. Inspect before every use; do not use if parts loose or damaged.
5. Use as intended only.



## ASSEMBLY AND OPERATION INSTRUCTIONS



**Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this document including all text under subheadings therein before set up or use of this product.**

- A. **Anchor:** Secure the Anchor on the front or left edge of a tabletop (not included) using the two Clamps. Mount with the arrow on the Anchor pointing forward as shown.
- B. **Clamps:** Two Clamps are to be inserted through holes in the Anchor to clamp the Anchor to the tabletop. The Clamps are attached differently to the Anchor, depending on whether the Anchor is clamped on the front or the left edge of the tabletop.
- C. **Tension Screw:** Tightening this Screw to keep the Drafting Head from sliding down the tabletop if the machine is mounted to an inclined tabletop.
- D. **Vertical Scale:** Insert this Scale in a scale hole and tighten the Screw (D1) counterclockwise. This provides a second Scale perpendicular to the Horizontal Scale.

- E. **Horizontal Angle Lever:** Turning this Lever clockwise loosens the horizontal scale. Then turning the grip E1 adjusts the angle of the Horizontal scale in relation to the protractor. Turning this Lever counterclockwise tightens the horizontal scale, which can then be moved by moving the grip E1.
- F. **Angle Lock Lever:** When this lever is moved to stop at the left, the angle can be adjusted freely. When it is moved to stop at the right, the angle can be adjusted in 15° increments.
- G. **Calibration Lever:** If the horizontal scale at 0° is not in parallel to the driving paper, loosen this Lever clockwise so that the scale can be adjusted. Then, move and adjust the horizontal scale parallel to the drawing paper and tighten this Lever counterclockwise to keep the protractor stationary.

The drafting head can be bent upward to make it easier to look at the draft, as shown in the Side View.

**Note:** Replacement parts are not available for this item.