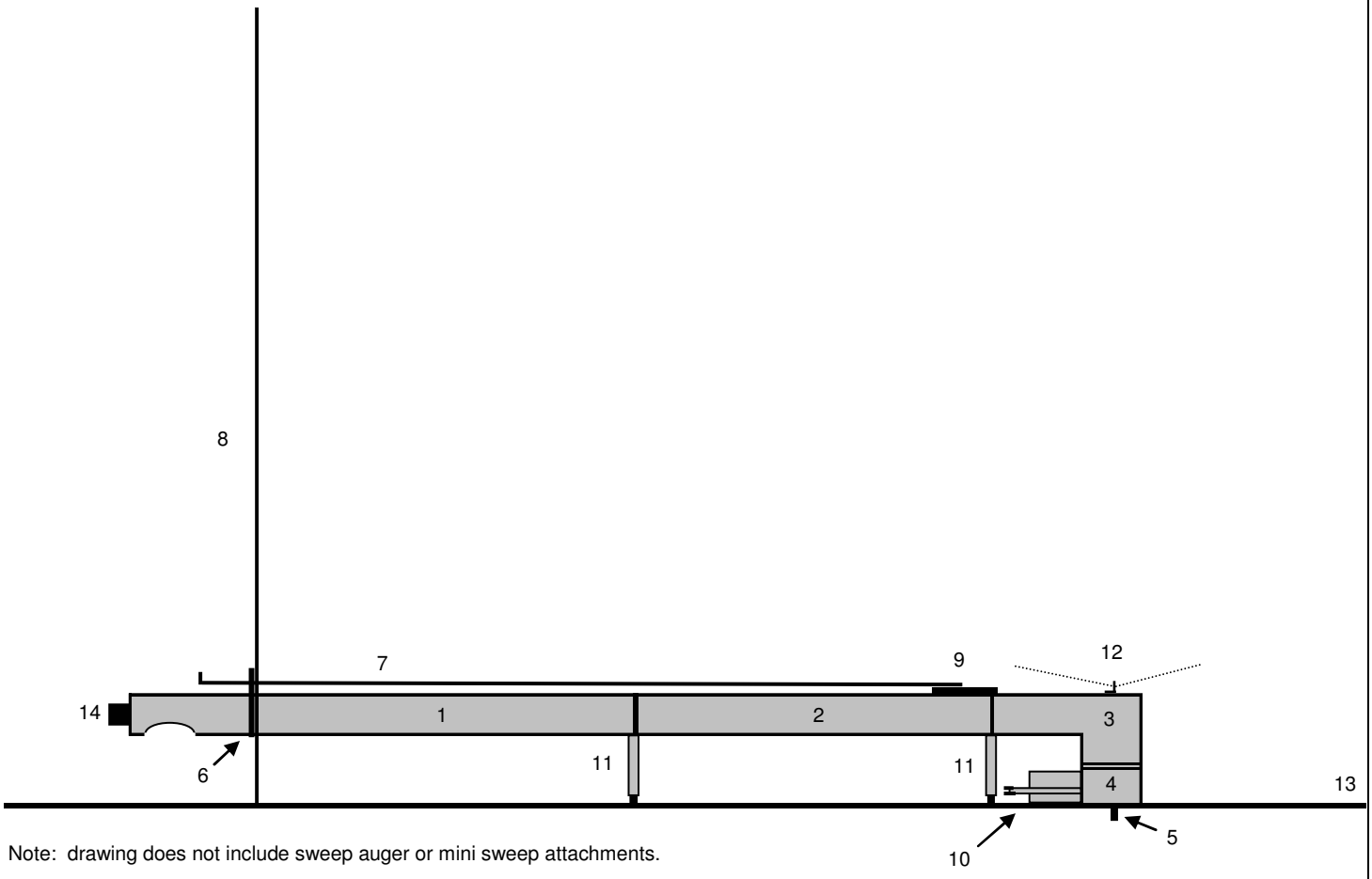
Center Unload System Diagram



Note: drawing does not include sweep auger or mini sweep attachments.

1. Discharge tube #1
2. Discharge tube #2
3. Top half of center section
4. Bottom half of center section
5. Center pin
6. Bin wall ring
7. Pull rod for sump opening
8. Bin wall
9. Sump opening
10. Short auger with sweep adapter
11. Support stand
12. Stabilizer bracket and cables
13. Bin floor
14. Power head

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CANADIAN PATENT #597,464

Center Unload System Operating Instructions

1. Read all instructions completely before assembling and operating the unloading system.

2. Before engaging unloading system, make sure bin is clear of all foreign objects.

3. Do not enter the bin while unloading system is engaged and running.

CAUTION

Disconnect power source to unloading system before entering grain bin.

4. Before filling the bin with grain:
   - Position short auger #10 toward the walk-in door.
   - Support stands need to be in their down positions and adjusted firmly to the floor.
   - Check the clearance of short auger #10 by rotating the bottom half of the center section 360 degrees. The short auger should not make contact with the bin floor in any location. Make necessary adjustments if needed (refer to Installation Instruction Step #6).
   - Check the stabilizer cable for tightness.
   - Check the center section for alignment.
   - Completely close all sump slides.
   - Visually inspect the horizontal discharge tubes making sure it is free and clear of any foreign materials or objects, prior to installing the power head.

5. The Schiltz Center Unload System is designed to first pull the grain from the sump opening(s) located on the top of the discharge tube(s). During this time of operation the center section is **NOT** engaged only the power head is. Once the grain stops flowing freely into the sump opening(s), the Schiltz Center Unload System must be disengaged and the power head moved inward to engage the center section. At this time the grain will be pulled from the bottom of the center section through the use of short auger.

6. Insert power head #14 into discharge tube #1 from the outside of the bin. Power head placement on motor mount needs to be located in the **FIRST** set of depth holes at the beginning of operation. Insert bolts into this position. **REMEMBER** the center section is **NOT** engaged at this time.

7. Prior to engaging the power head, make sure the power head auger will turn in a clockwise direction once engaged.

8. Before allowing grain to flow into sump lid, make sure power head is **NOT** engaged into the center section. Power head and motor mounts should be in the first set of depth holes per instructions described in step 6, above.

CAUTION

Never enter grain bin while unloading system is in operation.

9. Slowly engage power source to begin operation of the center unload system with the sump opening(s) remaining closed.

10. From the outside of the bin move pull rod #7 towards you to the open sump lid(s) to receive desired flow of grain.

11. If using a hydraulic power source, increase or decrease hydraulic supply as needed to keep adequate supplies of grain flowing.

12. When grain stops flowing freely into sump opening(s), stop and disengage power source to system. Close the sump lid(s) by pushing the pull rod #7 towards the bin until sump lid(s) are completely closed.

13. Remove the bolts from motor mount and slide the power head auger into the second set of depth holes and replace bolts. The center section will **NOW BE ENGAGED** and grain will flow through the bottom of the center section.

14. Engage power source and center unload system to resume operation. **REMEMBER:** if using a hydraulic power source, unit needs to be at a complete idle prior to engaging.

15. When the short auger #10 has completed a full revolution within the bin and the grain is no longer flowing freely into center section, stop and disengage power source to system and attach mini sweep to short auger by turning mini sweep in a clockwise motion, sliding into the short auger.

16. Swing support stands up and out of the way of the mini sweep, allowing it to complete a full revolution within the bin during operation.

17. Engage power source and center unload system to resume operation.

18. When the mini sweep has completed a full revolution within the bin and the grain is no longer flowing freely, stop and disengage power source to system and remove mini sweep and install full size sweep.

19. Engage power source and center unload system to resume operation.

20. **DO NOT** enter bin while sweep is in operation.

CAUTION

Disconnect power source to unloading system before entering grain bin.

Never enter grain bin while unloading system is in operation.