

Downey-Johnson

380/381 Series

Coin Counter

OWNER'S MANUAL

INTRODUCTION

Thank you for purchasing a Downey-Johnson coin counter. Each counter is precision crafted in the U.S.A., and constructed from the finest materials available.

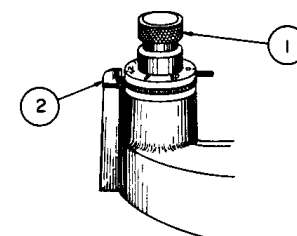
INSTALLATION

- 1) Remove the counter from the shipping carton.
Note: Check that the product is undamaged and operates properly before discarding the shipping carton.
- 2) **Manual counter:** Attach the crank handle to the driveshaft, fastening it with the provided screw and lock washer.

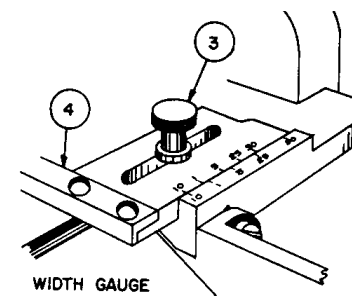
Electric counter: Plug the cord into a suitable electrical outlet.

OPERATION

1. **Set the thickness gauge:**
Turn the dial knob (1), lining up the correct coin denomination with the index pointer (2).
2. **Set the width gauge:**
Loosen the clamp nut (3).
Slide the width plate (4) so that the correct coin denomination lines match.



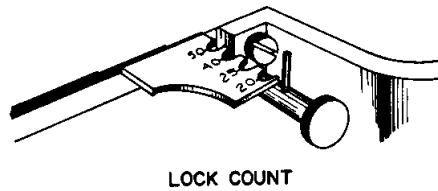
THICKNESS GAUGE



WIDTH GAUGE

3. Set the lock count:

Set the lock index knob pointer to the desired notch. For a continuous count, move the pointer outward beyond the lock index plate.

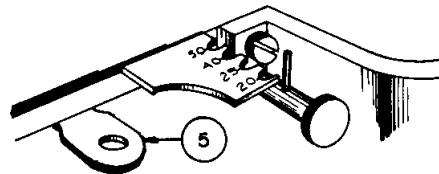
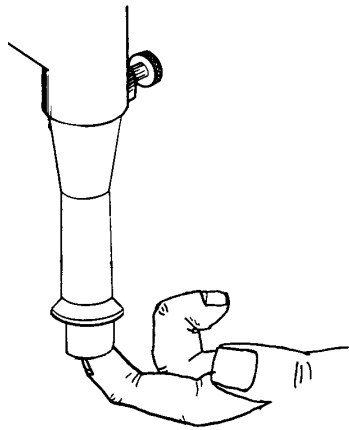


Note: Before packing/wrapping the first set of coins, run a few coins through the machine until the star wheel locks, stopping the flow of coins. Place these coins back into machine and reset the meter to zero. The machine is now ready for packing/wrapping.

4. Begin counting:

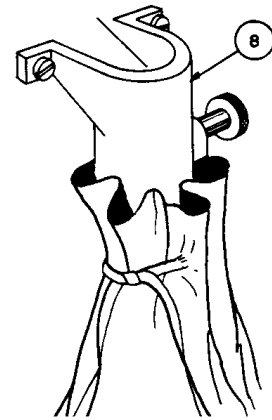
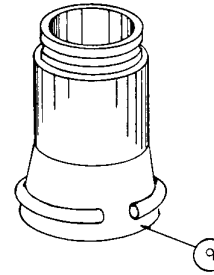
a) Coin tubes

Insert a coin tube into the bottom of the stem holder and lock it into place with the thumb screw. The flat tubular wrappers should be inserted about half way into the coin tube. The pre-crimped tubular wrappers should be inserted about half an inch into the coin tube. Lift the trip lever (5) and turn the electrical switch on (or crank the manual handle) until the machine locks, stopping the flow of coins.



b) Bagging

Attach the bagging stem (9) to the stem holder (8) and tighten the thumb screw. Slip the bag under the ring and fold the excess over the ring and down.



OPERATION TIPS

For efficient bagging of coins:

After properly setting up the machine (operation steps 1-3), set the lock count to the 50 stop and run coins through the machine until the star wheel locks. Zero the meter, attach a coin bag, and use the continuous bagging feature until the coin meter reaches approximately 50 coins before the desired count. Without stopping the machine, push the lock index knob into the 50-count position. The counter will lock at the next even multiple of 50, achieving the desired count.

To count tokens:

- 1) Adjust the thickness gauge so that only one token at time will pass under it.
- 2) Adjust the width gauge so that one token will just pass through it.

For increased efficiency:

(Machines without coin disc inserts only)

Apply paraffin or candle wax to the coin disc. The waxed disc will grip the coins and process them through the coin counter more rapidly.

CAUTION

Do not load the revolving disc with more than 150 nickel-sized coins (diameter .836", 21mm). If counting larger coins, fewer coins should be loaded onto the disc.

MAINTENANCE

Once a year:

- 1) Clean and vacuum all the external components. If necessary, a stiff brush and safety solvent can be used.
- 2) Lubricate the tire wheel bearing oil cup and the coin disc bearing oil cup with 20-weight oil.

Once every two years:

- 1) Remove the bottom of the coin counter.
- 2) Oil all the shaft bearings, linkages, and ratchet pawls.
- 3) Oil the star wheel shaft from the bottom.
- 4) Lubricate the chain and gears with a light grease.
- 5) Lubricate the tire lift lever with a light grease.

Tire wheel replacement:

- 1) Place a screw driver into the slot of the left tire wheel flange.
- 2) Hold the coin disc with one hand and rotate the flange counterclockwise until it is free from the shaft.
- 3) Remove the old tire wheel from the flange and replace it with a new one.
- 4) Re-install the new tire wheel hand-tight on the machine.
- 5) Check that the tire wheel clears the raceway by .003" - .010" (.076mm - .254mm).

TROUBLESHOOTING (Manual & Electric Counters)

The tire wheel does not feed coins

Replace the tire wheel.
(see the maintenance section)

Coins double up at the raceway

Adjust the thickness gauge so that a coin will just pass freely under it. Replace the thickness gauge if it is worn excessively.

A coin becomes jammed below the tire wheel and width gauge to the right. cannot be dislodged by reversing the cranking operation.

Loosen and move the width gauge to the right. Remove the jammed coin. Reset the width gauge and tighten.

The motor does not run (electric counters only)

- 1) Confirm power at the outlet
- 2) Allow the motor to cool for about 30 seconds until the motor overload switch resets.

For further assistance, contact your local service center or call Lynde-Ordway Company at (714) 957-1311.

When calling for parts or service, please specify your problem and the counter's model & serial numbers, which may be found on the left side of the machine.

SUPPLIES & OPTIONAL ACCESSORIES

- Replacement tire wheels (box of 13)
- Crank handle for manual or electric machine
- Carrying handle
- Electric cord wrap-up spindles
- Route operator option package:
 Angle bracket, leather latch, and fitted coin tube
- Fence for coin ring
- Coin disc insert drivers & fence with top cover
- Double tire wheel (smallest coin: .705", 18mm)
- Triple tire wheel (smallest coin: .945", 24.0mm)
- Heavy-duty 6-digit meter
- Tire-wheel pivot bearings
- Stainless steel case
- Standard-sized metal tubes: 1¢, 5¢, 10¢, 25¢, SBA
- Special-sized metal wrapping tubes:
 .551" (14mm) through 1.60" (40.6mm)



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