



since 1960

GRAVITY WAGON

Bolt Together Designed Tank for Containerized Shipment



■ **New Short Turn design allows sharper turning radius and greater mobility**



J. & M. Manufacturing Co., Inc.

284 Railroad Street, P.O. Box 547
Fort Recovery, Ohio 45846 U.S.A.

MODEL

GW15t-1

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14,7 TON CAPACITY

18,9 Cubic Meters

www.jm-inc.com



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Since J&M introduced their first gravity wagon in 1960, they have developed many patented designs and features that have provided farmers with better solutions transporting their grain from storage, to the field and back again... saving both time and money.



Optional Center Diverter Chute easily rotates into place for center dumping.



The Tool-Less design of our patented adjustable chute allows the discharge height to be quickly and easily adjusted between 35,5 cm to 48,2 cm to meet your specific unloading height.

FEATURES

- 14,7 ton capacity tank and running gear with "cushion" tongue and two-wheel drum brakes. Dual compartments available.
- Offset steel runners allow for a sharper turning radius and greater mobility.
- Patented side discharge chute adjusts from 35,5 cm to 48,2 cm tall unloading height in seconds without tools.
- Heavy-duty 7,6 cm diameter sleeved spindles provide maximum strength and durability.
- Pull through extended rear hitch eliminates stress on the rear axle during tandem towing. Rear 7-prong connector receptacle provided for easy hook-up.
- Heavy-duty 12 ga. tank and side construction.
- Tank sump design and valley flats provide complete cleanout... even in high moisture grain.
- Steep end slopes and wide door for faster unloading. A high-intensity lamp near door is included.
- Standard metering door with heavy-duty gear reduction door opener for effortless opening, even when the box is completely full!
- New style rocking bolster increases stability, yet provides flexibility in rough terrain. Rubber cushion pads between gravity box and running gear reduces noisy 'chatter' during empty transport.
- Tie rods are positioned behind the axle for greater protection. Front wheels have an automotive tow setting for true-tracking.
- Bronze bushings are located at steering wear points for easy and inexpensive maintenance.

TANK DESIGN IS KEY TO EXCELLENT CLEANOUT

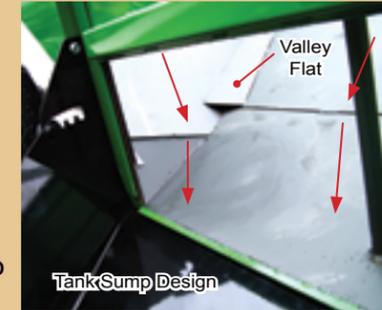
A common misconception is that all wagons are designed the same. Therefore, it is assumed that the wagon with the greatest amount of backslope will clean out better. This is not necessarily true.

Some competitor wagons rely solely on steep slopes and gravity for unloading. With their design, the angle of slope becomes critical for complete cleanout, especially in higher moisture grains. With these designs, an extra degree of slope could make all the difference.

We take the design of the tank one step further. Not only are our wagons engineered with a steep back slope, but we also utilize a Sump Design with valley flats to maximize cleanout.

Valley flats don't allow the grain to hang up in the corners of the tank while the sump design "pulls" grain into the unloading chute.

Not All Wagons Utilize This Feature! This is why J&M gravity wagons have built an excellent reputation for complete cleanout even in high moisture grains!



Tank Sump Design



■ New Short Turn design allows sharper turning radius and greater mobility



"Cushion" Tongue

The model GW15t-1 gravity wagon features a "cushion" tongue that activates the braking process.



Dual Spring Lift

Dual springs at the rear of the tongue helps lift the tongue for easy hook up.



Pull Through Rear Hitch

Pull-through rear hitch eliminates the stress on the rear axle from tandem hauling.



Drum Brakes

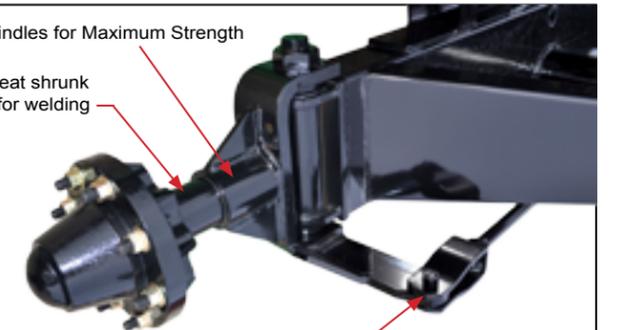
Optional two wheel hydraulic drum brakes.



Optional Wheel Fenders rotate with steerable front axle to reduce splatter during wet and muddy conditions.

Sleeved Spindles for Maximum Strength

Spindle is heat shrunk into sleeve for welding



Tie-Rods with Clevis Ends and Replaceable Bronze Bushings for Easy Maintenance

REINFORCED SPINDLES FOR MAXIMUM PERFORMANCE AND DURABILITY

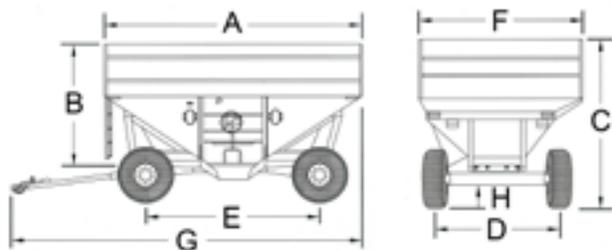
Welding directly on a spindle shank significantly compromises the integrity and strength at the weld location. This process creates a brittle area in the spindle that is prone to breaking.

J&M uses a thermal dynamic process where heavy walled sleeves are heat shrunk around the spindle. Since there is no welding on the shank, the original properties of the spindle remains intact for maximum strength and durability.

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Dimensions

A	457,2 cm	E	314,9 cm
B	238,7 cm	F	254,0 cm
C	304,8 cm	G	629,9 cm
D	223,5 cm	H	38,1 cm

MODEL USA-15 UNI-SWIVEL HYDRAULIC AUGERS

The patented Uni-Swivel Hydraulic auger design allows the auger to swivel to any working position while maintaining a downwardly positioned discharge spout. The adjustable hopper can fit virtually any door size. Unique pulley and track stabilizer design allows the auger to stay in position and not pull to center.



Adds an extra six feet to unloading distances
(Total of 12 feet gained on left to right swing of auger)

Wagon Specifications

GW15t-1

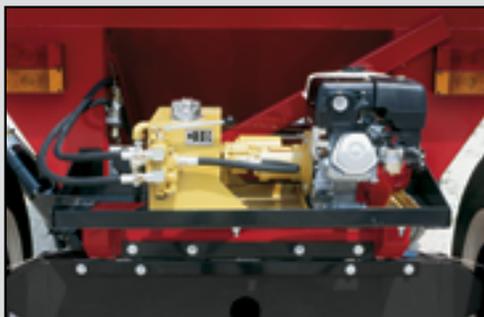
Capacity - Box*	14,7 Ton
Door Width	121,9 cm
Chute Height	35,5 cm to 48,2 cm
Hopper Construction	12 GA Steel
Understructure	7,6 cm x 15,2 cm Tubing
Taillights	Standard
Front Ladder	Standard
Center Dump Deflector	Optional
Running Gear	
Spindles	7,6 cm Diameter
Wheels	22.5x13.5 - 8 Bolt
Tires	15-22.5 or 16.5-22.5
Hydraulic Brakes	Optional 2-Whl Drum
Weight (complete unit)	2381 kg

* Bushel capacity measured with #2 corn at 15% moisture (25,4 kg test weight)

PORTABLE AUGER MATE POWER UNIT

AugerMate Specifications

Engine	Briggs & Stratton or Honda
Starter	Manual Pull or Electric
Engine Size	8 horsepower
Oil Reservoir	5 gallon
Mounting Frame	Standard



Model USA-15 Specifications

Diameter	15,2 cm
Length	457,2 cm
Flighting	Steel or Poly-Cup Plastic
Hopper	Adjustable to fit almost any box
Auger Tube	14 GA seamless steel tube
Winch	Standard
Auger Pivot	Patented Uni-Swivel Design
Sump Design Hopper	Yes
Unloading Height	335,2 cm (max.) 213,3 cm (min.)
Height of Auger in Saddle	304,8 cm
Maximum Swing Left and Right	1310 cm (with 3-Stage Telescoping Spout)
Maximum Unloading Distance Out	579,1 cm (with 3-Stage Telescoping Spout)
Discharge Rate (corn/soybeans)*	0,38 metric tons per minute
Discharge Rate (fertilizer)*	453,6 kg per minute

* Your rate may differ due to the quality of the material, the auger unloading height angle, and variable tractor hydraulic output. NOTE: Always operate the auger system with a tractor hydraulic requirement of 9 gpm (minimum) to 15 gpm (maximum) (2,250 psi)



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For More Information, Visit Our Website at:

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GUARANTEE - J. & M. MANUFACTURING CO. guarantees against any faulty construction or materials for a period of ONE year. We reserve the right to inspect and decide whether material or construction was faulty or whether abuse or accident voids our guarantee.