



Portable scale (4.5 in. by 15 in. by 6 ft. long) has weighing capacity of up to 3,000 lbs. and can be placed in bottom of squeeze chute, or in an alleyway.

### GOES ANYWHERE AND HAS 3000 LBS. CAPACITY

## You'll Like This Livestock Scale

If you raise cattle, hogs or sheep, you'll be interested in the new "go anywhere" Johnson livestock scale. It's long and narrow (15 in. wide and 6 ft. long) and can be laid in the bottom of a squeeze chute or in an alleyway to weigh individual animals as they come through. Or, you can toss it in the back of your pickup to take along to auctions, pastures, livestock shows or wherever needed.

Regardless of where an animal stands on the 6 ft. long platform, the new-style scale gives an accurate reading. "If you had a 1000 lb. weight the size of a package of cigarettes, you could set it at any point on the platform and it would give a correct reading within 1/2 of 1%," B. T. Johnson, inventor and manufacturer, told FARM SHOW.

Heart of the new-style scale, which has up to 3000 lbs. weighing capacity, is a hydraulic loading cell and sensitive dial-type gauge which gives a direct, easy-to-read reading. To get accurate weighing, regardless of where the load is positioned on the platform, Johnson devised a patented framing mechanism inside the scale. It consists of 4 welded-in-place guide rods, 2 along each side, which accurately transfer weight to the centrally located load cell. The load cell is made of aluminum and is sealed to make it completely weather proof. There are no cables, springs or other parts to wear out, rust out, or to bog down in rain, snow or dust. The scale is entirely mechanical and does not require any electricity or batteries to operate, and rain doesn't adversely affect it. "The scale could even stand in water without adversely affecting its operation or accuracy," explains Johnson.

To get ready for weighing, the



Combination chute-scale has built-in Johnson floor scale.

operator adjusts the dial to zero. He can read the dial from a distance and judge a market-ready animal's weight within 2 lbs., Johnson points out.

Cost of the scale is \$495.00 fob. Dealers and distributors are being established, or the unit can be purchased factory direct in areas not yet served by dealers.

Johnson also offers a portable scale-chute combination unit. For weighing, it has a scale (26 in. wide and 8 1/2 ft. long) mounted in the floor. For use as chute, one end of the floor is hand winched to a height of about 3 ft. to bring it to the level of a truck bed. The unit can't be used to load and weigh simultaneously since the scale has to remain relatively level for accurate operation.

For more details on the portable Johnson scale, or the scale-chute combination unit, contact: FARM SHOW Followup, B. T. Johnson Scale, North Battleford, Sask., Canada, S9A 1K8.



It only takes a few minutes to connect or disconnect the flexible duct-work to trucks, allowing one dryer unit to serve several trucks.

### HIGH CAPACITY DRYING FOR LESS COST

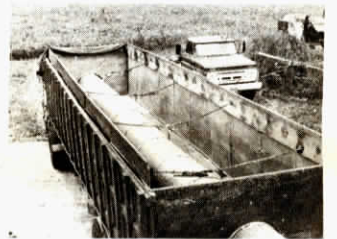
## New Truck Bed Grain Dryer

"It offers high capacity drying for a lot less cost than conventional systems," says C. Stanley Short, Sr., inventor and manufacturer of the new SS Truckbed Grain Dryer.

Short's new way to dry grain adapts to most any straight or semi truck box. "We've used it on our farm for 25 years. We know it works," the Kenton, Del., farmer told FARM SHOW. He's made improvements in the system through the years and, prompted by visitors who've come from long distances to see it work, recently decided to patent the idea and put it into production. He's now set up for manufacturing and is taking orders for his new-style grain drying system.

Short says the unit will dry an 800 bu. load of 21% moisture corn to 15.5% in about 3 hrs., using a 5 million btu gas fired burner and a 12 bladed 38 in. fan which delivers 20,000 cubic feet of air per minute. The truck box is equipped with a 2 ft. dia. perforated duct which runs the full length of the truck box. Perforated side panels (3/32 in. mesh) are positioned 2 in. from the sides to allow for air movement. The fan forces heated air through the entire 2 ft. dia. duct which is perforated so that air moves uniformly through the load of grain, both laterally and vertically. Air moving laterally picks up moisture from the grain and passes through the perforated side panels. After grain is dried to the desired moisture content, the burner is turned off and the fan left running to cool the grain, Short explains.

Trucks equipped with the drying ducts and perforated panels are fitted with a plywood endgate. There is a sliding grain door or gate on each side of the 2 ft. dia. duct entrance



Side boards on top allow load to be heaped. Sides of truck box are lined with perforated panels.

built in the center of the end gate.

Short's truck bed dryer couples to whatever drying unit the owner either owns, or buys. He sells the unit with or without the drying unit. He recommends using a unit with a fan capable of moving at least 20,000 cfm of air, and a gas fired heater that will deliver 5 million btu's.

"With this system, there's no labor, no air pollution, a minimum of fan noise and, since the grain is dried right in the truck, no kernel damage," Short points out.

Cost (fob) to equip a 20 ft. long truck box (5 ft. high) with the center perforated duct and hold-down brackets, perforated side panels and the endgate equipped with a quick couple assembly for attaching the truck bed duct to the drying burner and fan, is right at \$1,200. Short will also supply the dryer-fan unit — including a 15 hp. electric motor, a 38 in. multiple blade fan rated at 20,000 cfm, and a gas fired 5 million btu burner — for right at \$4,000.

For more information, contact: FARM SHOW Followup, SS Truckbed Grain Dryer System, c/o Stanley Short, president, Kenton, Del. 19955 (ph. 302 653-9651).