

JUST TURN THE HANDLE TO REMOVE LAST GRAIN FROM YOUR TRUCK

New Auger "Sweeps" Truck Box Clean

Now you can get those last bushels of grain out of your truck box without sweeping or scooping.

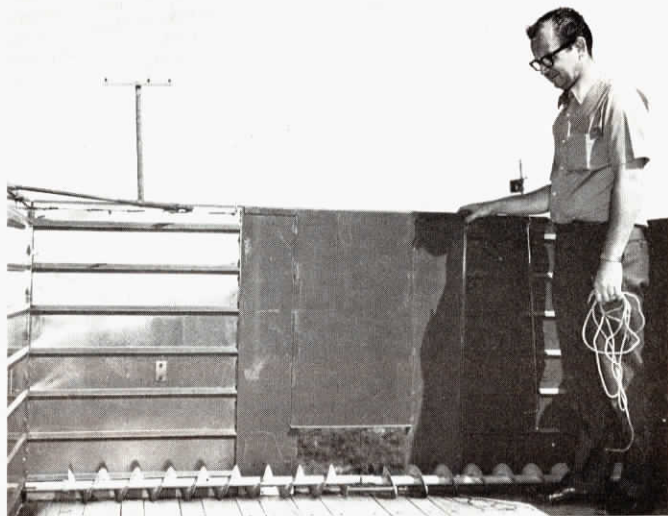
Smith-Roles announces its truck box cleaner, a 5 in. auger that gathers all the grain from the corners of the load and cleans the box in 45 seconds. It retails for \$67.

The hand-turned auger is on an adjustable shaft that will fit truck box widths from 78 to 96 in. You just cut a hole in the box for the handle. The cleaner includes a cover for the hole when the device is taken out.

To remove it, just remove a set screw and pull it out. It takes only 30 seconds to install or remove.

Besides making grain dumping easier, the Smith-Roles truck box cleaner makes it safer because you don't need to stand over the auger. Also, you can unload grain completely without removing the tarpaulin from the truck box.

For more details, contact: FARM SHOW Followup, Smith-Roles, Inc., Box 1238, Minot, N. Dak. 58701 (ph. 701 852-3726).



The 5 in. dia. auger gathers grain from corners and cleans box in about 45 seconds.

USES AIR INJECTION TO PUMP WATER

New-Style Windmill "Goes Anywhere"

Best new "inflation fighter" we've seen lately is a new-style windmill that operates on a completely different principle than conventional windmills. It lets you harness the wind to pump water for livestock, irrigation, household and other uses for a fraction of what it costs with conventional pumping systems, including conventional windmills.

Probably the most unique feature of the revolutionary windmill from the Bowjon Company, Burbank, Calif., is its price tag — \$595. "It's the only windmill water pump that doesn't have to be located directly over the well," explains Tom Dye, sales manager. "It can be located up to a half mile away from the well in the most strategic location for wind current. In range country, many wells with old style windmills directly over them have been abandoned because there isn't enough wind to drive them where they now stand. We're putting a lot of these abandoned wells back into service with the Bowjon windmill which can be placed on a nearby hill, or wherever the wind blows best."

Here's how the revolutionary windmill works:

The 8½ ft. dia. wheel has an air compressor built into its center hub. As wind turns the wheel, air pressure is generated. An air line runs from the windmill to the well. At the well, a venturi (a ½ in. pipe about 5 ft. long) is placed inside the well casing. Air pressure from the windmill enters the venturi to create bubbles which, in turn, lift the water. "We've turned the venturi into an air lift system which uses bubbles to lift water," ex-

plains Dye. "This system will adapt to most new or existing independent wells. To get more capacity, several venturis can be ganged to provide more bubbling action and, with it, more output capacity. A separate tower, blade assembly and companion air compressor is needed for each venturi," Dye explains. "You can gang a lot of units and still have less total cost than the expense of a conventional windmill. And the Bowjon system operates on less wind, requires less maintenance and eliminates pump rods and other components of conventional well systems which require routine replacement and maintenance. We can lift up to 5 gal. of water per minute. Two windmills serving the same well will pump up to 600 gals. per hour," Dye told FARM SHOW. He notes that in California, average wind time out of 24 hours is 4 hours, with the wind averaging 13½ mph. "Our system starts pumping at wind speeds of 8 mph. Individual towers are only 13 ft. high and are built to withstand unusually high winds. "The tail and wheel assembly is designed to operate at 3,450 rpm, a rate far exceeding gate force winds. The assembly automatically folds up if the wind gets over 100 mph to protect the system from possible damage."

Soon to be introduced is a large Ranch Air model which has a capacity of 30 to 60 gal. per minute and is being promoted initially for drip irrigation.

For more details, contact: FARM SHOW Followup, The Bowjon Co., 2829 Burton Ave., Burbank, Calif., 91504 (ph. 213-846-2620).



Capacity of the new Bowjon wind powered pump is right at 5 gpm. Air compressor built into head pumps air through flexible tubing leading to well. Air injection lifts water to tank or pond. Windmill doesn't have to stand over well or water source.