



Blower delivers air, at rate of 1,460 cfm, down a 6-in. dia. tube to intake end of auger.

SUCKS GRAIN INTO AUGER TUBE AND THEN MOVES IT WITH AIR "Air Blast" Auger

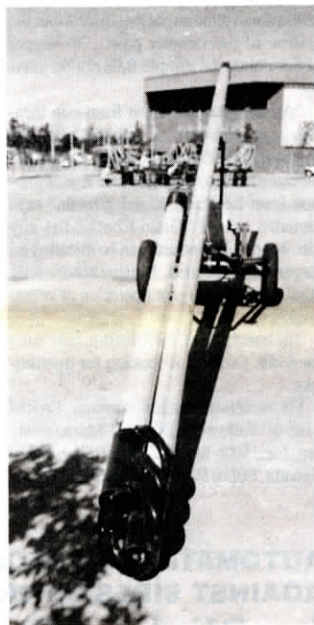
Showgoers at the recent Western Canada Farm Progress Show in Regina, Canada were "blown away" by a new "air blast" auger that uses air to move grain through a conventional auger tube, completely eliminating auger flighting.

The first-of-its-kind grain mover uses a big pto-blower to shoot air into the intake end of the auger. The blast of air sucks grain into the auger like a Venturi valve and then blows it up and out of the auger, according to inventor Brian Gall, Fillmore, Sask.

"It has more capacity, does less damage to grain, is safer because there's no flighting to catch a hand or a foot, and requires less maintenance because the only wear parts are 4 bearings on the blower," says Gall.

The 6-in. dia. auger requires only a 20-hp. tractor pto to direct-drive its 23-in. dia. blower, mounted at the center of the auger frame. Air, at a rate of 1460 cfm, blows down a 6-in. dia. tube to the intake end of the auger where 7 individual 2-in. dia. pipes split off to blow air into the auger. Gall says the auger will move 28-30 bu. per min., "about the capacity of a larger 7-in. auger". He's negotiating with a manufacturer to produce the auger.

For more information, contact: FARM SHOW Followup, Brian Gall, Fillmore, Sask., SOG 1N0 Canada (ph 306 433-2020).



The 6-in. dia. auger moves grain at the rate of about 1,800 bu. per hour



The 1-in. wide narrow steel wheels, which widen to about 6 in. at the hub, sink in only about 2 in. in mud.



Grain feeds into baler through 6 plastic tubes that distribute it evenly across width of bale.

PRODUCES PROTEIN-LOADED "GRAIN BALES"

Hopper Adds Grain To Bales On-The-Go

Custom hay harvester Peter Harrison adds grain directly to round bales as they're being formed with the help of a hopper he mounted on the front-end of his New Holland baler.

Harrison fills the hopper with soybeans, lupins or any other high-protein crop. Sight gauges in the sides of the hopper let him keep tabs on the supply. Grain feeds down into the baler through 6 plastic tubes that distribute it evenly across the width of the bale as hay enters the bale chamber. Belt-driven metering gates tie into the bale

rolling chamber to supply the correct amount of grain to each bale.

Harrison, who farms near Kojonup in Western Australia, says the baler hopper can also be used to mix other additives, such as lime or urea, with bales. That makes it possible to upgrade low-quality straw bales.

For more information, contact: FARM SHOW Followup, Peter Harrison, C/O Post Office, Kojonup, Western Australia 6395 Australia.

NARROW (1-IN.) STEEL WHEELS GET A GRIP WHERE BIG RUBBER TIRES WON'T

Mud Wheels For ATV's

At first glance it doesn't make sense to talk about mud wheels for ATV's but anyone who owns one of the machines understands. Big ATV tires aren't much good in mud because they spin too much and tear up the ground. That can be a problem if you use the machine for field work.

Mitchell Tyler raises rice near Lepanto, Ark., and uses his ATV to spray crops. With conventional rubber tires in place, the machine destroyed crops and packed the gumbo clay-type soil into the space between tires and fenders. Since Tyler already used thin steel wheels on tractors, he decided to build smaller dia. wheels for ATV's. They work so well, he decided to market a kit to other farmers both for mud, and to minimize damage when working through narrow-seeded soybeans and other crops.

The 1-in. wide narrow steel wheels widen to about 6 in. at the hub. Steel lugs arranged around the outside of the wheel provide extra gripping traction. Under most conditions, Tyler says the wheels sink in only about 2 in. and leave a narrow

track. The steel-wheeled machine must, however, be driven slowly in transport down the road.

"They've got much more traction than conventional tires. You can go through almost anything," says Tyler, who farms 1,200 acres of rice with his brother Harold and four nephews. He has also used the narrow steel wheels in broadcast soybeans. "Three days after I went through, you couldn't see the tracks."

Steel wheel kits adapt to existing bolt patterns on both 3 and 4-wheel ATV's. On 3-wheelers, the front wheel is 29 in. in dia. and the two rear wheels 27 in. in dia. On 4-wheelers, all wheels are 27 in. A 3-wheel kit sells for \$600. The 4-wheel kit sells for \$800. The Tylers also produce a complete spray rig for ATV's that sells for \$300. Marliss Industries, Jonesboro, Ark., manufactures and markets the equipment.

For more information, contact: FARM SHOW Followup, G-T Corporation, Marliss Industries Inc., P.O. Box 3097, Jonesboro, Ark. 72403 (ph 501 932-7550).