

REPLACES EXPENSIVE ELEVATOR LEGS

New "World's Simplest" Grain Handling System

"We've never experienced so much interest in a new product or idea," says Elwood Sawby of Skyland Manufacturing about the company's revolutionary new "Hydra-Shift" swivel auger grain handling system.

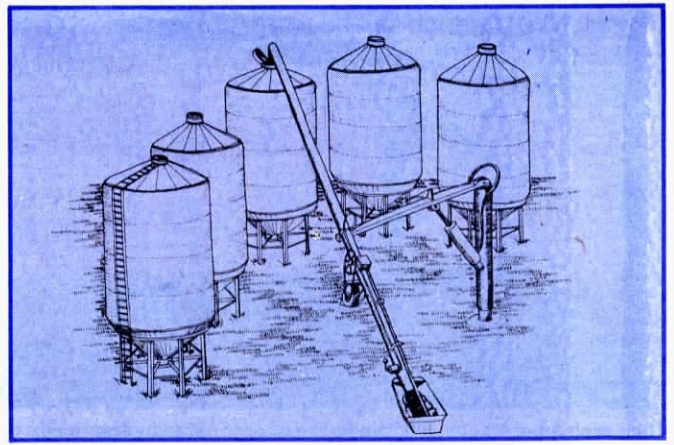
At the heart of the new system is the Hydra-Shift auger, designed to replace expensive elevator legs or vacuum equipment, and heavy rolling augers that take "too many people too much time to move," according to Sawby.

The Skyland system consists of a conventional 8 to 10-in. dia. auger up to 70 ft. long and mounted on a pivoting hydraulic arm. The arm raises and lowers the auger, pivoting on a center support stanchion. The operator stands at the bottom of the auger, activating the arm up or down with auger-mounted controls, lifting just 40 lbs. of balanced weight to move the auger from bin to bin. With

a 53-ft. auger you can fill and empty ten 14-ft. high bins in a semi-circle. A 60-ft. auger will fill and empty nine 19-ft. semi-circled bins. If your bins are already in a straight line, a 60-ft. Hydra-Shift mounted auger will reach six 14-ft. tall bins.

"It takes just 90 seconds to move the auger from bin to bin and anyone who can lift 25 lbs. of weight can move it alone. You don't have to stop combining, or other activities, during harvest to move the auger," says Sawby.

By fitting Skyland's hopper bottoms, which have also just been introduced, to nine semi-circled 40,000 bu. bins, and connecting them with the pivoting auger arm, Skyland can construct a complete 150,000 bu. storage system for about half the cost of a comparable elevator system, says Sawby. Also, by installing a second pivot near a second set of bins, you



One person can easily move Skyland Manufacturing's "Hydra-Shift" auger from bin to bin, according to Sawby.

can move the Hydra-Shift auger and arm with a tractor loader and fill or empty the second set of bins, too.

According to Sawby, Skyland's engineers have completely "mapped out" the new grain handling system on paper and have a scale model to tote around to shows. The first complete on-farm installation is slated to be constructed within the next two months on the farm of Ken Sawby, Elwood's brother and inventor of the

Skyland grain-handling system.

A 53-ft. auger, 8 in. in dia. and mounted on the Hydra-Shift arm, sells for around \$9,300.

For more information, contact: FARM SHOW Followup, Skyland Manufacturing Equipment, Ltd., Maple Creek, Sask. (ph 306 667-2653) or Skyland Manufacturing, Airdrie, Alb., Canada TOM OBO (ph 403 948-7810).

BURNS SAWDUST, CHIPS, PELLETS, CUBES

"Wood Chip" Furnace Is First-Of-Its-Kind

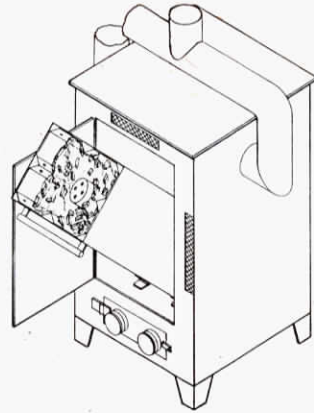
You're going to like the new wood-chip furnace built by Joseph Martonfi, of Blainville, Quebec, and Warren & Baerg Mfg., Dinuba, Calif. Unlike most wood stoves, it'll burn just about any close-packed dense particle fuels, such as sawdust, wood chips and pellets, as well as regular wood logs.

The new furnace features a unique force-fed air flow design that feeds air up the center of tightly-packed fuels, preventing the smothering that usually occurs with those types of fuels in conventional stoves.

"One hundred pounds of material will burn for about six hours," says Martonfi, the stove's inventor, noting that the stove holds enough fuel to burn 8 hrs. Burn is achieved by air drawn into the firebox through two adjustable vents at the base of the stove and fed into the fire through air inlets around the outside of the firebox and the one air pipe up the center of the material in the firebox.

"Forcing air into the burning material creates a 'torch effect' of intense heat because you're feeding oxygen directly to the fire. Temperatures in the firebox will reach 1,100 to 1,200°," says Martonfi.

Flues leading out of either side of the stove delay the flow of smoke and ash out of the stove for better combustion. Room air is forced into a heat



Stove's firebox tilts out for easy filling. Note air pipe in middle of firebox.

exchanger chamber between the firebox and the outer walls of the stove by a small squirrel cage fan at the rear. Heated air exits the stove through screened vents in front.

The stove's unique firebox tilts out for easy filling, or you can outfit it with the company's automatic stoker. Both forced-air and hot water circulating models are available. Sizes range from the home-sized 2.37 cu. ft. firebox model to the 4.5 cu. ft. firebox furnace for farm shops or buildings.



Pipes coming out sides delay flow of smoke and ash for better combustion. Forced feed air flow through center of stove stimulates burning. Inside temperature gets up to 1,200°F.

The 4.5 cu. ft. model D400 sells for about \$1,200.

The new furnace is being promoted as an accessory to Warren & Baerg's cube machine that makes compact cubes out of alfalfa, newspaper, cardboard, sawdust, garbage and other material. It was featured in

FARM SHOW's Vol. 5, No. 3 issue.

For more information, contact: FARM SHOW Followup, Warren & Baerg Mfg., Inc., 39950 Road 108, Dinuba, Calif. 93618 (ph 209 591-6790); Or, contact: Joseph Martonfi, Rt. 2, Blainville, Quebec J7E 4H5 (ph 514 435-4428).