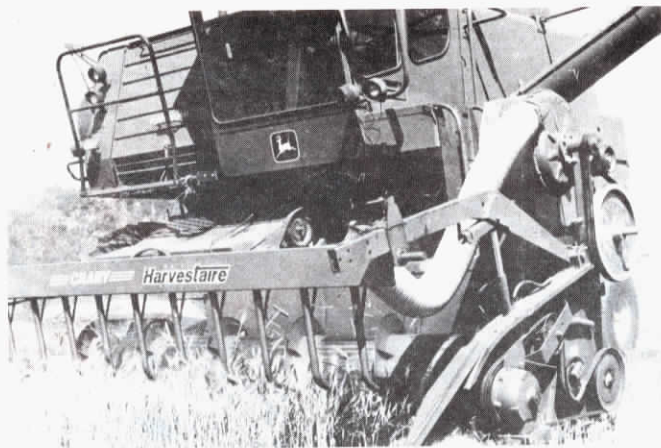


Air-blowing manifold eliminates many of the problems with reels and weighs just half as much.



Harvestaire, which fits combines 10 to 30 ft. wide, has been used in Australia for 3 years.

PREVENTS GRAIN SHATTERING; ELIMINATES REEL WRAPPING PROBLEMS

New Air System Makes Combine Reel Obsolete

Harvestaire, an exciting new concept that uses forced air to do away with the combine reel, is new from the Crary Co., Fargo, N. Dak.

Says Chuck Crary, company president, "This new forced air concept, which weighs only half as much as a reel, eliminates reel wrapping of weeds and straw and results in less head shattering of small grains, soybeans and other direct combined crops. It also eliminates the problems of combine ground speed being limited by reel speed."

The system works by sending a V-shaped stream of forced air through special nozzles, spaced one

foot apart. The volume of air hitting the grain can be controlled by varying the speed of the blower fan which mounts on the end of the combine head and is driven hydraulically or by belts.

The Harvestaire kit fits all combines and heads between 10 and 30 ft. wide. To install, you remove the reel and install the manifold across the front of the header, bolting it onto the reel arms. The blower fan can be bolted or welded onto the combine platform. Tubing connects the fan to the manifold.

"On hydraulically controlled systems, the fan mounts on the right side

of the header and uses the same hydraulics that the reel uses. Pulley-controlled systems have the fan mounted on the left side and are powered off the pulley that powers the reel," Crary points out.

The fan runs between 4,400 and 5,500 rpms, depending on the combine, and requires 4 to 10 hp, depending on the fan rpm's.

Dave Majkrzak, vice president of engineering, says it takes 4 to 6 hours to install the complete system. Changing back to the reel takes only 15 minutes since you can leave the fan on but disconnected.

The Harvestaire system, which has

been used for 3 years in Australia, is just being introduced to North America.

A kit for a 10 ft. head costs \$1,825. A 20 ft. head kit costs \$2,035 and a 30 ft. head kit sells for \$2,383.

For more information, contact: FARM SHOW Followup, Crary Co., Box 1779, Fargo, N. Dak. 58107 (ph 701 282-5520).

JUMPS 2½ FEET HIGH

"Jumping Cowboy" Keeps Birds Out

Blackbirds in his sunflower fields aggravated Pete Konzak, Devils Lake, N. Dak., so much that he built a "Jumping Cowboy" to keep the feathered "rustlers" out.

The Jumping Cowboy is a man-like appearing scarecrow attached to a scare cannon. Whenever the cannon fires, the 4 ft. tall Cowboy jumps up in the air about 2½ ft. The combination of the noise, the jump, and the cowboy's steel sac jacket is so effective that Konzak guarantees the unit when it's used according to instructions.

"Even when it's not jumping, the Cowboy works to scare birds out of sunflower and grain fields," he notes. "When the wind blows, the cowboy swivels on his PVC stand and his 'steel sac' jacket rustles in the wind to scare away the birds."

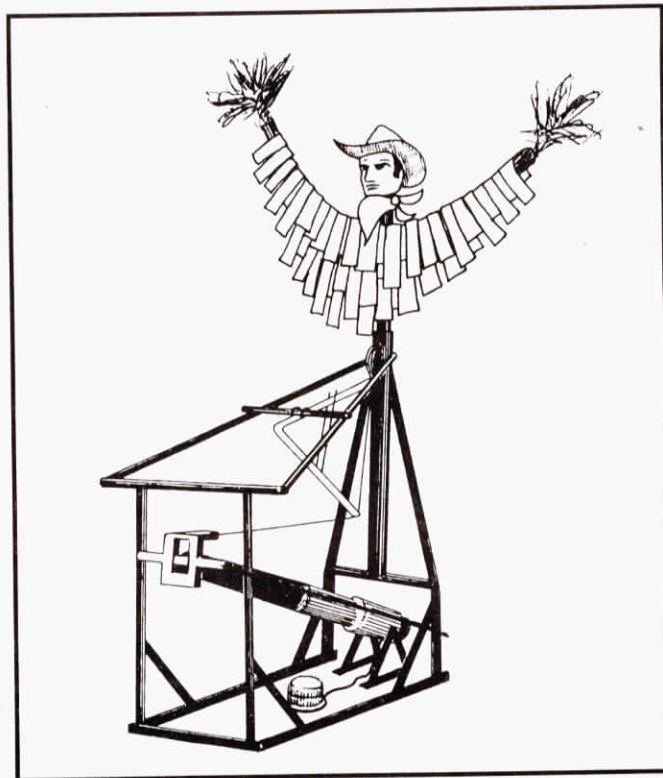
Konzak notes that it takes two Cowboys to protect 80 acres of rea-

sonably flat terrain, and more if the land is hilly.

The Jumping Cowboys aren't for sale but you'll be able to lease them. Konzak estimates the price per month to be around \$40, not including the cannon, the 12 volt battery that powers the cannon, or propane for the cannon. Also not included is the Cowboy's hat. Konzak suggests that you use an aluminum pie tin instead of a Stetson since the tin's reflection will help scare the birds.

For an extra charge, a photoelectric cell unit is available that will shut the Cowboy and cannon off at night and start it up again in the morning.

Cowboys will soon be available from CENEX, Interstate Seeds and farm service dealers. If your local dealer doesn't have the Cowboys, contact: FARM SHOW Followup, Summers Mfg., Devils Lake, N. Dak. 58301 (ph 701 662-5391).



Two "Jumping Cowboys" protect up to 80 acres of crop on flat terrain.