Made It Myself

(Continued from previous page)

Auger Mounts On Old Combine

An old self-propelled combine and a 45-ft. auger makes an ideal mobile grain auger for Gerald Nuttall, Pense, Sask. "I had this old combine with good hydraulics and a rebuilt engine that nobody wanted," he says.

Nuttall custom-built a couple brackets to mount his 7-in. Sunkandiak pto-driven grain auger on the 1965 430 Cockshutt combine. He drives the auger off the beater shaft. He mounted a 12-in. dia. pulley on the end of the shaft which drives a belt running to a 12-in. pulley on the auger's pto shaft.

Nuttall raises and lowers the front of the auger using the header. The auger telescopes upward on a bottom nylon slide made from 1 1/2-in. poly pipe. The auger is powered by the combine beater drive. An electric winch was installed to raise and lower the top of the auger.

"I also added a flexible pipe on the output end of the auger for loading trucks evenly without having to move the truck,"

says Nuttall. "Raising, lowering and moving the auger can all be done right from the combine cab. It works great."

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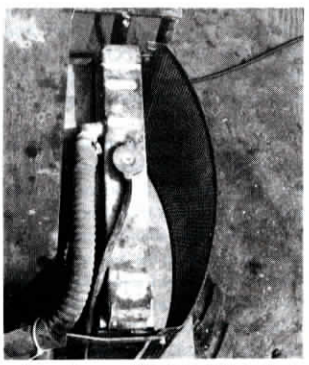
"Plug-Proof" Outside Radiator

Israeli farmer Doron Yoffe, who's an avid FARM SHOW reader and innovator, says he's come up with a way to keep engines from overheating that might be of interest to many North American readers.

"In the Middle East we have long hot summers when it's 90° or more for 6 months. That creates engine problems, especially when radiators plug up with straw or other debris. Since more vehicles now come equipped with electric fans rather than the traditional V-belt drive, I realized that the radiator location doesn't have to be down by the engine and could just as well be positioned outside the engine compartment for easier access.

"I decided to modify my Manitou 420 telescopic 80-hp. loader that's powered by a Ford engine. The machine had been a problem because the radiator was 'buried' where I couldn't easily clean it out, check coolant level or spot leaks and the radiator itself wasn't big enough for our climate.

"The modification was not expensive. I bought a new, bigger radiator and mounted it on the left rear fender. An electric blower, which I bought for $50, mounts behind the radiator. A protective metal mesh screen mounts in front of it. A



radiator shop modified the inlet and outlet nipples on the new radiator and installed a third threaded inlet for the electric fan thermostat.

"It was successful. Even on the hottest days, the engine doesn't overheat. Blower kicks on and off as needed. One problem is that electric blowers have limitations in size. One solution might be to install a hydraulic motor although it might increase conversion price of about 6 times."

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Sickle Sections Mount On Cultivator Sweep

Nothing's more frustrating than watching big weeds with tough stalks slip around cultivator sweeps without getting cut off. An Ontario farmer-inventor says he solved the problem by attaching a sickle section to either side of the last sweep on each cultivator gang.

Eric Devlaeminck says his biggest problem is with milkweed which has extremely flexible stalks that tend to bend around sweeps. The add-on sections catch stalks in the "V" between sickle section and sweep, slicing through them.

Devlaeminck says it costs about $5 and takes about 10 min. per sweep to make the modification.

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Photo courtesy Ontario Farmer

"Back Saving" Asparagus Picker

You can harvest your asparagus crop without bending over using a new cutter developed by New Mexico farmer A.J. Walterscheid of Carlsbad.

"Instead of back-breaking work, asparagus cutting is now like taking an enjoyable walk," says Walterscheid, who came up with the idea because he has a lung problem that caused him to lose his breath when doing the job by hand.

His asparagus cutter consists of a small square box, sized to hold 2 lbs. of asparagus, mounted at the bottom of a 2-handed handle that comes up to waist level. The handle consists of two pipes, one inside the other, each fitted with a hand grip. The inside pipe turns freely and connects to a cutting paddle. While holding the stationary handle, you turn the handle on the inside pipe, cutting the stalk off at ground level with a snapping action and pushing it through a spring-loaded side door into the box. As they're cut, stalks are held up against a spring-loaded "keeper" that moves back as more stalks are cut. Once the stalk compartment is

full, you just pull the springed "keeper" backwards to dump the load.

"I built 4 or 5 models before I got one that works. This really does the job," says Walterscheid.

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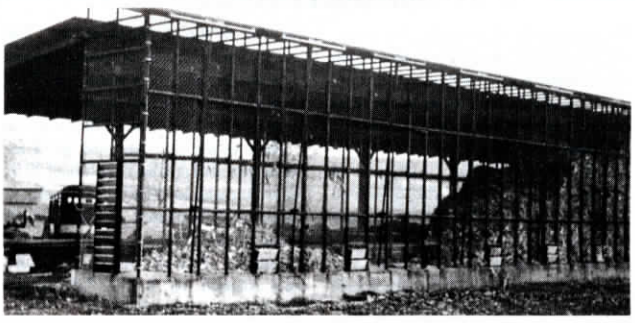

Corn Crib "Built To Last"

"I wanted a strong corn crib that would last longer than 20 years so I built my own," says John Suhar, Kinsman, Ohio, who spent 10 months working in his spare time building his 80-ft. long crib.

"It's framed with 2 in. dia. used gas well pipe spaced on 2-ft. centers. It's 15 ft. high on the low side and 16 ft., 6 in. on the high side and is 6 ft. wide. There's a 2-ft. high foundation - we used 9 yards of concrete - and eight 2 by 2-ft. corn chutes for unloading. Walls are braced every 4 ft. inside, 7 ft. up from the floor to keep the crib from spreading.

"The roof is hinged in 10-ft. sections, which I can raise from the ground with a 1 1/4-in. length of pipe. I can raise individual roof sections or the entire roof at once. Roof sections have pin locks to hold them down in case of high winds. Heavy chain link fencing, which I bought used, covers the sides and ends of the crib.

"I built a 24-ft. wide lean-to shed on the rear of the crib for machine storage.

"I used 70 lbs. of welding rod on the crib. All pipe was cut with a 12-year-old Makita chop saw that has gone through over 200 blades yet still cuts good."

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