

New axle mounts in front of existing auger axle. Wheels can be powered hydraulically.

WHEELS PIVOT SO AUGER MOVES SIDWAYS

New Kit Lets You Move Augers "Round About"

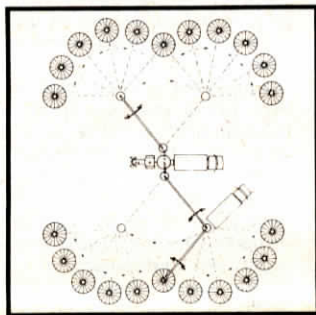
"Anyone can move an auger that's equipped with a Round-About," says farmer-inventor George Ekman, of Killam, Alb.

The basic Round About kit consists of a telescoping axle which fits on most augers, bolting to the auger's existing axle. The auger's wheels are put on the new axle's spindles. These spindles pivot so you can position the wheels parallel to the axle—a feature ideal for farms with bins set in a semi-circle.

Ekman explains that, with bins set in a semi-circle, you can move the auger to fill six different bins from the same dump hole. And, with two augers equipped with Round About axles, you can fill 22 augers from the same dumping station (see drawing).

Even if your bins are in a straight line, Ekman says the Round About cuts auger moving time. You can either set the auger between two bins and then pivot the auger to dump in either bin using the same unloading stall or, with the wheels parallel to the axle and lifting the bottom end of the auger, you can move the entire auger sideways.

Ekman also designed an add-on hydraulic power package for the axle. With the package, each wheel has its own hydraulic motor which chain drives the wheel into position. Power



With modified auger, you can fill 22 bins from dryer, or fill up to 6 bins at each setting of the main auger intake by pivoting the auger.

for the hydraulics is off the auger engine or tractor hydraulics.

To install the base unit, you lift the auger, bolt on the axle and then attach the wheels. The basic package kit sells for \$499 (Canadian). The hydraulic package is extra. Some augers require a third wheel to support auger weight.

Ekman is looking for distributors and manufacturers.

For more information, contact: FARM SHOW Followup, George Ekman, Box 509, Killam, Alb. TOB 2LO (ph 403 385-2391).

SPECIAL MATERIAL CAUSES CHAIN TO SNAG, STOP

Safety Trousers For Chain Saw Operators

Anyone who's had a "close call" with a chain saw will appreciate new safety trousers and chaps from Husqvarna.

Made of the same type material used to make bullet-proof vests, the pants and chaps can snag and stop a chain saw turning at over 4,000 ft. per sec.

"Multi-layered construction makes

the protective clothing work. Heavy-duty polypropylene blend material is woven in precise patterns and then layered up 11 times to produce the bulk and drag needed to stop a running chain saw," the manufacturer points out.

All-season safety trousers have 2 pockets in front, 1 in back. They protect both legs (11 layers front, 3 layers



Inventor says make-it-yourself "Heat Wagon" is better than units that cost up to \$3,000.

MADE FROM USED TIRE RIMS FOR UNDER \$200

Build It Yourself Waste Oil Heater

If you've been thinking of heating your shop or other buildings with waste oil, or maybe rigging up a waste oil crop dryer, Robert Benjamin, Ford Benton, Mont., has a set of plans that can get you started in the right direction in building your own waste oil burner out of salvaged materials.

"We feel our Heat wagon is more efficient, more trouble-free and will last longer than comparable factory-made units that cost \$2,000 to \$3,000. Farmers handy in a workshop can build it in several days and for less than \$200 worth of purchased materials," says Benjamin.

The Heat wagon uses an "air atomization" burning system. "A small volume of air (about .3 cfm) from your shop air compressor is used to atomize the oil and a strip of stainless steel serves as a secondary vaporizer and flame stabilizer. Because the oil is broken up into such fine particles and mixed with air, it lights easily and burns with a bright, clean, smoke-free flame, even in cold weather. There are no fine screens or small orifices where particles in the oil might collect, causing fouling or plugging," Benjamin explains.

Only moderate preheating of the oil is required for good combustion. A 100-watt light bulb in an enclosed and insulated burner chamber serves this purpose. The Heat Wagon can deliver 150,000 btu per hour consuming 1 gal. of oil per hr.

To build the unit, you take eight 14-in. car wheels, remove the centers and weld the wheels together side by side. This forms a long, heavy corrugated tube which acts as a heat exchanger. Old oil drums enclose and insulate the rims. Since the unit's designed for outdoor use, no inside flues are needed. The heater can be set up on skids, or made portable by adding wheels and a hitch. By adding a small engine-driven air compressor, the unit can be completely self-contained.

The 19-page set of illustrated plans sells for \$25. Benjamin also sells a kit which includes many of the components that may be hard to find or build. Kit sells for \$495. Components may also be purchased separately.

For more information, contact: FARM SHOW Followup, Robert Benjamin, Box 1148, Fort Benton, Mont. 59442 (ph 406 734-5416).

back) and the fly. Available in black in even waist sizes 28 to 44, they retail for \$59.95.

All-season safety chaps have 6 layers of protection on both legs (front and back). They're water-resistant and, with cutaway seat, are cooler and offer greater mobility than the trousers. Available in tan or safety orange in small (28-30), medium (32-34), large (36-38) or extra large (40-44) waist sizes. They retail for \$32.95.

For more information, see your nearest Husqvarna or Oregon chain saw dealer. Or, contact: FARM SHOW Followup, Husqvarna Power-Products Co., Nordtec Division, 224 Thorndale Ave., Bensenville, Ill. 60106 (ph 312 595-8500).



Material, layered 11 times, can stop a chain saw turning at 4,000 ft. per sec.