

Auger (1) lifts grain to be cleaned into scalper (2). Screenings are discharged at (3). Rest of the grain drops into indent shell cylinders (5). As kernels drop, paddle blower (4) draws air through grain and removes and discharges light kernels through air duct (6). Indent cylinders (5) remove thinner-than-desired kernels at (8) and pre-cleaned seed moves through cylinder and out at the end (6) into another indent cylinder (7). Short, small seeds are cleaned out at (9) and plump, desired kernels are dropped into clean grain hopper (10). All screenings collect below and at the front of the machine (11).

New Portable "Rotary" Simplifies Seed Cleaning

"This compact rotary incorporates all modern methods of cleaning seed into one machine," explains Harvey Gjesdal, inventor-manufacturer of one of the slickest new setups we've seen for cleaning a wide variety of seed with a minimum of equipment.

Up to now, a typical seed-cleaning plant has required 3 to 4 different cleaners to remove all weed seeds, dirt, chaff, immature kernels and diseased kernels from the plump, viable seed. Getting each machine adjusted properly, and having to change from cleaning one type of seed to another, is a time consuming and often frustrating job.

"I decided there had to be a better way," explains Gjesdal, Canadian farmer and registered seed grower at Birch Hills, Sask. After four years of planting, testing and building, he developed a machine that not only does all types of cleaning but is simple to operate, and easy to change and adjust when switching from one type of

grain to another. What's more, it's easily transported.

The "all in one" cleaner is operated by two small electric motors. All moving parts of the cleaner rotate — there are no vibrations. It's equipped to clean wheat or barley without any part changes.

"A good average cleaning rate for this machine is 40 bu. an hour. Since it will operate unattended most of the time, you can clean from 500 to 800 bu. in a long day," Gjesdal points out.

He explains that "The cleaning methods incorporated into the machine aren't new, but the way these components are put together to form one compact machine is. We also use an exclusive method of feeding the machine, which is both simple and convenient."

For more details, contact: FARM SHOW Followup, Harvey Gjesdal, Birch Hills, Sask. Canada. SOJ 0G0 (ph. 306 749-2754).

RAISES MOISTURE CONTENT TO ANY LEVEL DESIRED UP TO ABOUT 30%

Reconstituter "Moisturizes" Dry Grain

A Nebraska firm has taken over manufacturing and marketing of a grain reconstituter formerly handled by LML Manufacturing, Columbia City, Ind., under the Cardinal label.

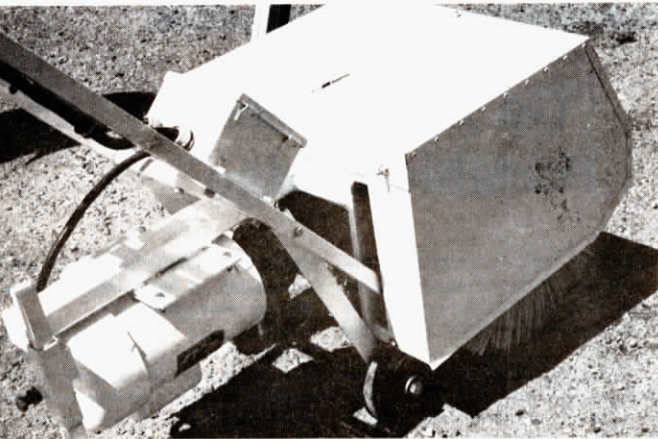
"I formerly sold the unit and jumped at this opportunity to take it over," says Harold Haeker, of Neb-Kan Co., headquartered at Alma, Neb. He is now manufacturing and marketing "a new, improved unit" under the Neb-Kan label.

Grain is fed into the machine at up

to 1,000 bu. per hr. The machine loosens the skin of the kernel without fracturing, and allows the skin to separate from the body of starch.

"The blistered skin on the kernel is then perforated to permit absorption of water," explains Haeker. "At the same time, water is applied in preset quantities to raise moisture content of dry grain to any level desired up to 30%."

Cost of operation, according to Haeker, is approximately 1¢ per 100



Machine digs and sweeps hard, dry manure from pen floors, slats.

"DRY-CLEANS" CONCRETE FLOORS, SLATS

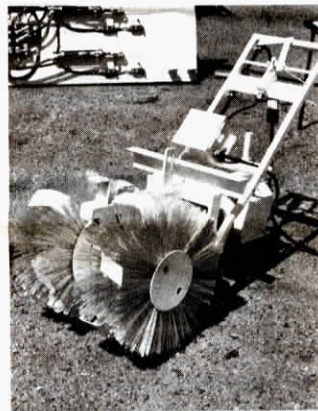
New "Clean Sweep" For Hog Houses

Faster, easier cleaning of hog houses is promised with "clean sweep", a new idea in cleaning concrete hog floors and slats from All Phase Electronics, Scott City, Kan.

"Regardless of how much manure there is on the concrete, or how dry or hard it is, this machine will scrape it clean without having to add any water or other softening agent," says Don Whitson, inventor-manufacturer.

Clean Sweep (21 in. wide and 20-in. dia.) is a combination of 12 cutting knives and nylon brooms powered by a 2 hp. electric motor. It digs and sweeps hard, dry manure from pen floors toward the slats. Cutting depth of the knives is adjustable. All parts are water tight. The rotating knives and brooms are controlled with a deadman switch and are shielded for safety, the manufacturer points out.

Built for tough jobs, the machine weighs 240 lbs. and runs on 240 volts A.C. The machine can also be used to sweep grain off concrete floors.



Depth of cutting knives is adjustable. Takes 21 in. wide swath.

Suggested retail is \$1,895.

For more details, contact: FARM SHOW Followup, All Phase Electronics, Don Whitson, president, Box 552, 101 North Main, Scott City, Kan. 67871 (ph. 316 872-5255).



"Does everything large units do, yet costs a lot less," says Harold Haeker of his reconstituter.