

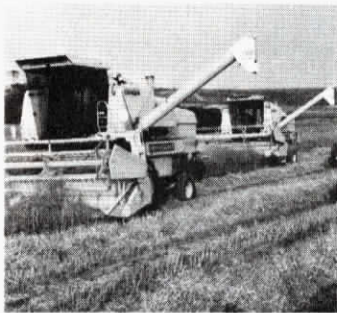
Combine Grain Weigher

"It determines the weight by measuring the flow of grain," says Francois Laffineur, sales manager for Dickey John in France and distributor of a new combine yield meter that'll give you your yields by field. Dickey John in North America is not yet selling the yield meter, which was developed by the Griffith Elder Company in Great Britain.

The new yield meter has a pressure sensitive metal plate. As grain is unloaded through the combine unloading auger — or any other auger around the farm where it's needed — it falls against the metal plate where the amount is recorded electronically as a yield in weight.

The weight of every tank of grain, which is easily converted to bushels, is recorded and totalled within the control box. At any time, the total amount harvested may be shown. The unit has an accuracy of plus or minus 2% or better. It'll store data for up to 30 days in its memory cells. The entire unit can be mounted to the discharge auger in 3 to 4 hours.

John Potter, of Potter Pitcairn farms in Snoddington, England,



bought two Yield per Field meters last year. "For the first time, we were able to determine the yield from each field as well as the total harvest. This is particularly important as most of our grain is kept in flat storage and we never knew before what we had until it was sold. We run five combines on three different farms and we plan to fit all of our machines with this meter."

The meter sells for about \$3,000.

Contact: Griffith Elder Company, Shepherds Grove West, Stanton, Bury St. Edmunds, Suffolk, England IP31 2AR (ph 0359 50095).



Do-It-Yourself Hillside Combine

Keeping your header close to the ground for the best harvesting is the key to the success of a new do-it-yourself hillside combine kit built by Bartolini Possanzini & Co., Jesi, Italy.

The hillside kit consists of a scissor-like frame that mounts between the rear axle and the main chassis of the combine. Pushing off the rear axle, its two cylinders raise the combine instantly to adapt to changing terrain.

"It'll raise the rear of the combine as much as 35% going up a hill, keeping the header down next to the ground. In short or lodged crops, it can be the difference between a good or bad harvest," says Scarano Pietrelli of Bartolini Possanzini, noting that the add-on attachment will raise the combine as much as 22% going downhill.

The combine lift can be oper-

ated manually via hydraulic controls in the cab, or it can be set to operate automatically with a manual override. "We have rough and hilly ground all over Italy and this is an inexpensive way to equip a conventional machine for hillside work," says Pietrelli.

The attachment is built to fit specific combine models and takes just 3 hrs. to install. Pietrelli says the company builds them to fit all combine models operating in Italy, which includes most of the machines familiar to the U.S. and Canada. The hillside lift sells for about \$2,400, plus \$700 for optional automatic controls.

Contact: FARM SHOW Followup, Bartolini, Possanzini & Co., Via G. Pastore, Zona Ind. Zipa, 60035 Jesi(AN) Italy (ph 0731 3102-22279).

New-Style Rubber Hay Rake

Rubber wears better than metal when it comes to beating against the ground and that's the idea behind a first-of-its-kind hay rake from Kuhn that was introduced at the SIMA show.

The rake, which is not yet on the market, has four drum-shaped rotors in a diagonal line behind the tractor made from rubber-coated metal. At the bottom of each drum is a rubber skirt that does the actual raking.

"There are no metal parts in contact with the ground. Traditional metal tines have given way to supple rubber that does as good a job or better but lasts longer. The biggest advantage is that there are no metal tines to



break off and damage haying equipment," says a Kuhn representative.

The 3-pt. mounted rake has an overall working width of 13 ft. and converts to 7½ ft. for transport. It'll operate at speeds of 7 to 10 mph on minimum horsepower.

Kuhn officials plan to finish tests on the rake this summer with European farmers and introduce the rubber rake in 1984. If all goes as planned, it should be available in the U.S. and Canada soon after.

Contact: FARM SHOW Followup, Kuhn S.A., B.P. N° 60, 67706 Saverne, Cedex, France (ph 88 912110).

Corn Cob "Brick Maker"

"Bricks made from corn cobs burn hotter than even the best wood," says the French manufacturer of a new machine that compresses cobs into solid 12-lb. blocks of fuel.

The pto-powered, hydraulic, 3-pt. mounted machine can be moved easily from place to place. It'll make about 250 bricks per hour from corn cobs (with some stalks thrown in) without adding any water or other additive to form the bond. Bob Chesquiere, a representative of the manufacturer, told

FARM SHOW that corn cobs are ideal for compressing.

"They stick together relatively easily. Stalks, leaves and other residue will not work alone in this machine, although we have been able to use sawdust because it is also very compressible," he says.

The bricks are 8 in. by 8 in. by 16 in. long, small enough to fit into most wood stoves or other burners. The square shape makes them easy to handle and store.

The machine requires at least

a 75 hp. tractor for power. Cobs feed into a hopper on the side of the unit down to a lower chamber where a hydraulic ram compresses the cobs. They're ejected automatically out one end. One man can operate the machine.

The new cob compressor has been on the market in France for less than a year. Sells for around \$9,700.

Contact: FARM SHOW Followup, Comdec, 9, Chemin de la Rente Giron, BP 569, 21015 Dijon, Cedex, France (ph 80 41 06 28).

