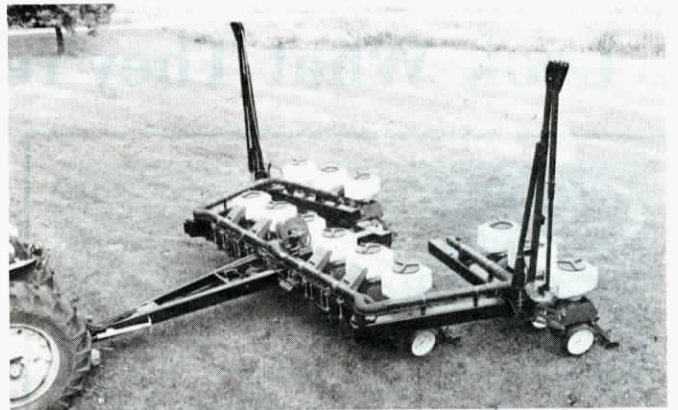


In its conventional configuration, planter has twelve 30-in. rows.



Wings fold back, "splitting" the forward rows to plant soybeans in 15-in. rows.

LETS YOU PLANT CORN IN 30 IN. ROWS, SOYBEANS IN 15 IN. ROWS

"Hinged" Toolbar Plants Wide, Narrow Rows

How about this — a new double-hinged planter frame that lets you plant wide or narrow rows at the touch of a hydraulic lever.

Invented by Iowa farmer Dennis Duello, of Vinton, it plants split rows when folded up in the narrow-transport position.

Called the "Black Bifold Machine," it's available in several models. The largest, for example, plants corn in 12 "wide rows" with 30 in. spacing between rows. At the touch of a couple

hydraulic levers, the double-hinged wings fold back and away into a "split row" configuration for planting soybeans in narrow 15-in. rows. Three planting units on each end fold in behind to "split" the 30 in. spacing of row units up front. An additional rear row unit is mounted in the center, allowing the bi-fold toolbar to plant 13 narrow rows (15 in. spacing) or 12 wide rows (30 in. spacing).

When planting wide rows, the extra 13th row unit is removed. It's

the only row unit that has to be touched in switching from wide to narrow rows, or vice-versa, on the 12 row toolbar. All other row units automatically move into position as the toolbar folds or unfolds hydraulically — in less than five minutes.

The 7 by 7 in. toolbar (3 in. thick) is available in the following sizes: 12 rows with 30 in. spacing, and eight rows with 30, 36 or 38 in. spacing. A 16 row model (30 in. spacing) is on the drawing board. All toolbar mod-

els accept Deere Max-Emerge, Kinze, or White row units, and may be available for International Cyclo units by next spring, according to Duello. Retail for \$10,000 to \$11,000 less planting units. A toolbar-mounted liquid fertilizer attachment is optional.

For more details, contact: FARM SHOW Followup, Black Machine; Dennis Duello, Owner; Rt. 2, P.O. Box 138, Vinton, Iowa (ph 319 472-2010, or 472-4677).

"BREAKTHROUGH IN MASTITIS CONTROL"

New-Style "Claw" Milks Each Quarter Separately

New from New Zealand is the Isolator Milking Claw, being hailed as a "breakthrough" in mastitis prevention and control.

A special isolator device in the claw prevents milk from being splashed from infected quarters and spreading the infection," explains Ken Addie, president of Ken-Way In-

ternational, importer-distributor of the new device.

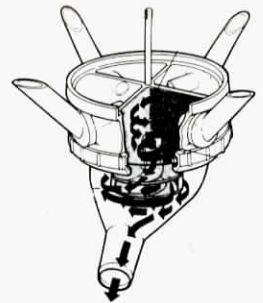
Milk enters the Isolator body, which is divided into four sections, from the inflation. Each quarter drains into a separate exit hole and spiral port before joining the milk from the other three quarters in the collection chamber. The spiral ports

and silicone diaphragm seal prevent the milk from backflowing into the other quarters.

The silicone diaphragm also balances the pulsation vacuum across the liner during the milking phase of pulsation, which also prevents back movement of milk, Addie points out.

The claws sell for \$190 and can be used with your existing inflations, shells, hoses and pulsators.

For more information, contact: FARM SHOW Followup, Ken-Way International Ltd., P.O. Box 1716, Janesville, Wis. 53547 (ph 608 7056-9771).



Claw "isolates" milk from each quarter.

TAKES JUST 30 SEC. TO INFLATE

Exhaust-Powered Jack

Air bag exhaust-powered jacks for cars, trucks, tractors and other equipment are now available in the U.S., imported from Europe.

"It takes an idling engine running at around 3,000 rpm's about 30 sec. to inflate the bag," says David Kresl, vice president of IMEX International Sales, the importer. "The air jack requires only 6 to 8 psi to lift up to 4½ tons. To lower the vehicle, the operator simply turns a double-locking safety valve on the rubber hose.

The air bag jack comes in three sizes that'll work on anything from

small compact cars to grain trucks. The air hose fits most circular tailpipes up to 2.4 in. in dia. The bag is made from a tough polyester mesh fabric triple-coated with three layers of PVC inside and out.

The air bag sells for \$43.45, \$54.90, and \$65.90, for the 2½ ton, 4 ton, and 4½ ton models, respectively. The three bags lift to heights of 17, 22 and 25 in. Shipping is included.

For more information, contact: FARM SHOW Followup, Imex International Sales, 8550 W. Bryn Mawr Ave., Chicago, Ill. 60631 (ph 312 693-7719).



Fitted to auto exhaust pipes, jacks easily lift tractor front ends.