



The accumulator attaches to the bale chamber just behind the axle and is designed to group in pairs bales measuring up to 4 by 6-ft.

### Home-Built Bale Accumulator Going Into Commercial Production

With 7,000 bales to be cleared each year at Stephen Flaxman's 500-acre White House Farm in Sotherton, England, bale handling is an important job.

To speed things up, Flaxman designed and built a bale accumulator that groups bales in pairs to avoid having to pick up bales one at a time.

The accumulator attaches to the bale chamber, just behind the axles. The hitch keeps the accumulator tracking behind the baler and the accumulator is fitted with castor wheels on the rear to negotiate turns. It has a back-sloped floor so bales roll from front to rear, where they rest against a tailgate, as they are released from the baler. When the second bale is released, the driver hydraulically raises the tailgate so both bales roll out of the accumulator together.

The rear end of the floor is covered with thick rubber to protect net wrapped bales from rocks. A hydraulic ram raises the front of the accumulator to ensure the second bale

rolls back tightly against the first. Warning lights in the tractor cab show the tailgate is closed, the front of the floor is lowered and when the first bale is in the accumulator.

Flaxman used the accumulator on 7,000 4 by 4-ft. up to 4 by 6-ft. bales last season. He says it saves half the time and half the fuel when compared with picking up bales out of the field one at a time and reduces soil compaction as well.

He expects the accumulator to sell for about \$3,800, including hitches designed for various baler makes.

"We calculate that anyone loading 5,000 bales each year could pay for the machine in one season," he says.

Contact: FARM SHOW Followup, Stephen Flaxman, White House Farm, Sotherton, Halesworth, Suffolk, England IP19 8NW (ph 011 44 1986 873123). **Farm Contractor & Large Scale Farmer Magazine.**

### "No-Plug" Liquid Manure Nozzle

Fed up with lumps in liquid manure plugging the nozzle of his honey wagon, English farmer Peter Newbrook removed the existing rubber cone and replaced it with a hinged metal one he designed in his shop.

A small hydraulic ram keeps the two halves of the cone closed, leaving an opening just big enough for liquid to exit. If the nozzle plugs, he puts the spool lever into the float position allowing the pressure of the manure to force the jaws wide open. The result is that the driver doesn't have to get off the tractor and the blockage clears in seconds.

Contact: FARM SHOW Followup, Peter Newbrook, Aber-Las, Nantyr, Glynceiriog, Llangollen, Clywd, England LL20 7DE (ph



Newbrook replaced the existing cone on the nozzle of his honey wagon with a hinged metal one. 011 44 1691-718702).

### Mower-Conditioner, Silage Blower In One

Zero-grazing cows on his 190-acre stock farm led Rod Ellis to develop what he calls the "Mo Plus", a combination mower-conditioner and silage blower all in one.

Zero grazing is catching on fast in England. Unlike rotational grazing, cattle are not allowed onto pasture. Hay is cut fresh on a daily basis and brought to them.

For cutting silage grass, the 8-ft. mower-conditioner works conventionally. To cut and load fresh forage to feed to cows, the conditioner hood is taken off and a blower bolts in its place. Cut grass is shifted by the unit's modified flywheel to a forage wagon towed behind.

Contact: FARM SHOW Followup, Rod Ellis, The Byrth Farm, Baschurch, Shrop-



For fresh forage, conditioner hood is removed and replaced with a blower. shire, England SY4 2DE (ph 011 44 1939-260333).

### Blind Spot Tractor Mirror

Many of Alun Hughes' 500 acres are widely spread out, meaning he spends plenty of time on the road in a tractor.

After several close calls when edging out onto busy roads, he added an old van mirror to the nose of his Ford tractor. Set at 45 degrees, it shows clearly what's coming down the road.

"Now there's no need to creep forward to see what's coming," he says, "I can drive out on the road without unintentionally putting motorists at risk."

Contact: FARM SHOW Followup, Alun Hughes, Home Farm, Berwick, Shrewsbury, Salop, England SY4 3HJ (ph 011 44 1743-351289).



Van mirror added to the nose of his Ford tractor lets Hughes clearly see the road.



Spring-loaded stall dividers flex 5 in. from center when cows get up or lie down, then reset.

### Self-Adjusting Stall Dividers

The two times when a cow needs maximum space is when she's lying down and getting up. To give his cows what they need when they need it, William Crea designed and built spring-loaded dividers that flex 5 in. either side of center, then reset.

The self-adjusting dividers have performed without a hitch for two years since Crea in-

stalled them at his 260 acre dairy and beef farm.

With no front attachment point to bend or rust, Crea expects them to last longer than conventional stall dividers.

Contact: FARM SHOW Followup, William Crea, Strangford, Co. Down, N. Ireland.

### Simple "Outriggers" Save Fence

A single strand of electric wire run inside a conventional non-electric fence can prevent a lot of damage to fencing.

New Zealand farmer Murray Hazlett raises deer commercially and he has a particularly tough time keeping the rambunctious animals away from his high mesh fences. After seeing an idea in a farm paper for rigging up inexpensive outriggers, he adopted the idea on all his fencing.

He simply cuts 32-in. long pieces of 3/4-in. black plastic pipe, and bends each piece in the middle. He bends them against their natural curve to make them more rigid.

One end of the each pipe is nailed to a post before stringing the wire. Once the wire is run, the pipe is folded over the wire and then the other end is nailed to the post. The final step is to drive a nail through the tip of the bent pipe to hold the wire in place. Hazlett simply holds a mallet under the pipe when he drives the nail through.

Once up, the outriggers are flexible enough to be knocked around by a tractor - or animals - without breaking. Yet they're firm



Photo courtesy Farm Equipment News

Once installed, the outriggers are flexible enough to be knocked around by a tractor or animal.

enough to hold the wire well out front of the fence.

Contact: FARM SHOW Followup, Murray Hazlett, 389 Yarrow St., Invercargill, New Zealand (ph 011 64-3217-8054).