

“Unroller” Turns Round Bales Into Small Square Bales

“We raise 250 acres of hay each year. We sell most of our own hay to horse owners who prefer small square bales. The problem is that we use round balers in the field because they’re so much faster and require less labor. That’s why we came up with this unroller,” says T. Whipple Simpson and his son, Henry of Cochran, Ga.

“It lets us make small bales when we have more time. It’s the perfect solution for any hay producer who wants to bring in the crop fast but needs to supply his market with square bales,” he notes.

Simpson made his original unroller using all salvaged parts from discarded equipment. It took several years to get the design right. Power is provided by the tractor hydraulics and the PTO. Other options include a diesel power unit with hydraulics or a 40 hp electric motor with hydraulics.

The unroller consists of four conveyor units that unroll the bale and then fluff up the hay or straw before feeding it into the baler.

“It takes only five or six minutes from the time we load on a round bale until we’ve got the square bales on the truck. The great thing



Simpson recently introduced a four piece machine. While one bale is being unrolled for re-baling, you can load another bale onto the prep-table. When the first bale is done, you just flip a lever to advance another roll into the unroller chamber. (Unit shown is four piece model.)

is that we can double the value of a big round bale by rebaling it. And we can do the work when we have time,” notes Simpson.

He says all components on his unroller are standard off-the-shelf parts. You can use any commercial square baler with the unroller. It takes 3 people to run the unroller at full capacity. One person with a front-end loader puts bales onto the machine and cuts the twine off.

A second person runs the hydraulic levers that

control the unrolling operation. All functions are reversible or can be stopped instantly.

The third person does all the stacking of square bales onto trucks or trailers. Simpson built and offers a conveyor to make this easy.

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Reader Inquiry No. 06

“Separator” For Big Square Bales

After years of success building and selling an “unroller” that turns big round bales into more user-friendly small square bales (first introduced in FARM SHOW’s Vol. 23, No. 6 issue), T. Whipple Simpson of Cochran, Ga., has just introduced a first-of-its-kind separator for big square bales that breaks bales apart and “rebales” them into small bales.

Simpson says he’s already sold over sixteen of the new separators, which were introduced at the Sunbelt Ag Expo in Georgia. “People have been amazed at how well it works. This machine lets you make big square bales in the field, which are faster and more efficient to make, and then turn them into small square bales for customers who don’t want to have to deal with big bales.”

Simpson built the square bale “separator” at the request of commercial hay producers from all over the country who had seen his big round bale unroller. Sales now exceed 250 round bale units since it came on to the market, including exports to Australia, Canada and China.

To separate a big square bale, it’s placed on a conveyor table that pulls it into a separator head that separates the flakes, dropping the loose hay onto another conveyor that carries it into a small square baler. The finished small bales are carried away by a bale elevator for stacking or loading.



Bale feeds into separator head that pulls flakes of hay off big bale for rebaling.



Separator head drops loose hay onto conveyor, where it feeds into small square baler. Bale elevator carries bales away for stacking.

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Reader Inquiry No. 07