

Jalko Farm's Bale Tuber
NE SARE FNE02-401

This increases efficiency. With one smooth effort, the bale is speared and placed on the bale carriage. When backing away from the tuber, the lower tab of the spear is inserted into the triangle (see cover photo). When the triangle is pulled, two things happen: a bar pushes the bale into the bag and the tuber is pulled forward (fig 4).



Fig 4. (1) Loading the bale onto the bale carriage. (2) Inserting tab into triangle. (3) Pulling triangle back, pushing bale into tube. Note the bar pushing on bale.

The final bale has been inserted into the tube. The tuber must now be pulled to the end of the bag. Otherwise, the rest of the bag will be stuck on the last bale. To do this, a 3- foot long piece of wood is wedged

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between the pusher-bar and the bottom of the last bale. The wood is pushed into the tube by pulling on the triangle. This motion also pulls the tuber forward.

The Pulley and Springs

The secret to the success of Jalko Farm's Tuber is the network of pulleys and springs. The pulling action on the triangle is turned into a pushing action onto the bale. Figure 5 - 7 show the pulleys and springs close up. We recommend using more heavy duty pulleys than shown.

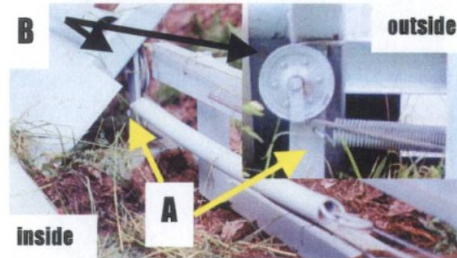


Fig 5. The rear end of the spring (A) is attached to the bale tuber just below the rear pulley (B).



Fig 6. A steel cable runs from the front of the spring, around the front pulley (C), and attaches to the pusher bar (D). A second

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cable also attaches to the pusher bar (E). Note the bent rod which protects the front pulley (F).



Fig 7. The second cable attached to the pusher bar (E in Fig 6) wraps around the rear pulley (B in Fig 5), continues forward, and connects to the pulling triangle (G).

Comparison Info

Table 1. Features of Jalko Farm's Tuber compared with three commercial models.

	Jalko Farm	AgriPac Lastic Tuber 9100	Ag Bag Flex a Tuber	Ag Bag F5401T
Price	\$2,000	\$16,000	\$13,440	\$14,750
Bales / hour	20-30	70-100	50-60	15
How moved	Loader / trailer	Wheeled	Wheeled	Wheeled
Takes Bales > 4 ft diam.	N	Y	Y	N
Engine Type	Tractor	Honda 9HP	6 hp	Tractor
Hydraulic Pump	Tractor	3 gal. at 2800 PSI	Tractor	Tractor
Design Type	Armed	Armed	Armed	Cylinder