

FEATURES LOWER COST, LESS MAINTENANCE

New Trencher Hooks to Your Tractor



Tractor pto drives trencher. Digs trench up to 12 in. wide and 5 ft. deep. Large wheel (7 ft., 3 in. dia.) is the only moving part. Lays plastic or clay tile at rate of 30 to 50 ft./min.

FAST WAY TO FILL PLANTERS, DRILLS

"High Lift" Wagon Outperforms Truck

"We think it's the most versatile farm wagon ever built. It'll outperform a truck," says John Stanley, whose firm, J.W.S. Machinery, has introduced the Warwick high lift tipping wagon.

Manufactured in England, it's available in nine and seven ton models. The steel box (14 ft. long, 6 ft., 8 in. wide, and 42 in. high) on the nine ton model lifts hydraulically to an infinitely variable height up to 11 ft., 9 in. and can be tipped at any height to 55° for fast dumping of the load.

"It'll handle grain, fertilizer, silage, sand, manure or whatever you want to put in it," says Stanley. "We think corn, soybean and wheat producers will be particularly interested in the wagon's ability to reload planters and drill boxes. You can load the box with seed or dry fertilizer, raise it hydraulically and spout the material directly into the planter or drill boxes — eliminating the need for augers or other filling equipment."

Stanley also notes that, like side dump high lift wagons, the Warwick wagon also handles silage. "Unlike the side dumps, which only handle silage, the Warwick handles grain, bales, fertilizer, sand, vegetable crops and many other materials," says Stanley, who cites these specific uses:

When combining, the Warwick wagon can be used to move grain from the combine directly into a straight truck or semi. "About 66% of the weight of the loaded wagon is transferred to the tractor's rear wheels, giving it excellent traction when loaded. It'll move right through muddy fields you wouldn't dare tackle with a straight truck."

• You can remove the sides of the box, add a 3½ ft. extension to the back of the platform, and use the bed to

haul bales. A load of bales can be raised to the level of the barn mow, eliminating the need for a bale elevator, Stanley points out.

• The platform bed can also be used as a portable scaffold for painting, building or whatever. If raising the bed almost 12 ft. doesn't provide enough "reach", you can use planks to build a 12 ft. high platform on the platform, then raise it up to double the "reach".

• You can mount a crane on the platform, with the boom extending out over the front end to pick up heavy loads. A tractor engine, for example, can be picked up with the boom and "inched" into position with the wagon's hydraulic hoist.

• For handling tomatoes or other easily-bruised crops, the wagon's 3½ ft. sides split — one-half can be taken down to reduce the distance tomatoes being elevated into the wagon have to drop.

The 9-ton (lift capacity) Warwick wagon sells for \$8,000. It's equipped with a 14 ft. by 6 ft., 8 in. steel box, 12.5 by 15 in. flotation tires (14 ply) mounted on close-couple tandem axles (66 in. wheelbase). It can be purchased less the wheels and hitch for mounting on a truck chassis. For silage, extension sides, top cover and automatic tailgate are optional.

The smaller 7 ton capacity Warwick sells for \$5,500. It lifts to 10 ft., 3 in. and is equipped with a 12 ft. long box (6 ft., 8 in. wide).

Stanley recommends using a 60 hp or larger tractor with the larger 9 ton model.

For more details, contact: FARM SHOW Followup, J.W.S. Machinery Co., John W. Stanley, Pres.; Highway 81 North, Strathroy, Ont. N7G3H6. (ph. 519 245-3800).

"With this new trencher, a farmer with his own tractor can get into the custom tiling business for less investment. Or, several farmers can team up to do their own tiling with a jointly-owned machine," explains Lowell Kraft, president of Kraft, Inc., U.S. distributor for the new Radahl trencher manufactured in Norway.

Basically, it mounts on any tractor that has either a 540 to 1,000 rpm pto. In less than five minutes, the tractor used to power the trencher can be unhooked and freed up for other jobs.

The most popular tractors being used with the Radahl trencher are International Harvester's hydrostatic-drive models. Other tractors used on some of the first machines sold in the U.S. include Muir Hill (model 111 and 121; Ford County Six, 5000 and 7000; and several models of Deutz tractors.

Kraft notes that tractors equipped with 1,000 pto's are less costly to mount. "The 540 rpm pto speed requires an offset speed increase drive. Another important consideration in tractor selection is forward speed. It should be infinitely variable, as with hydrostatic drive, or have speed ranges as low as .2, .3, .4 and .5 mph," says Kraft.

Simplicity and low maintenance are key features of the new-style trencher. There is just one working part — the exclusive digging wheel

which carries 10 replaceable cutting teeth. Action of the wheel is similar to a chain digger in that the soil is not cut and lifted in a bucket but is brought to the surface by the saw-like action of the teeth, Kraft explains. "Because soil is carried only a short distance, the power requirement is extremely low when compared to other ditching equipment. A tractor with upwards of 80 hp is more than adequate to power it. The Radahl cuts a trench 8 in. wide (10 or 12 in. wide with optional cutters on the wheel) and up to 5 ft. deep. Diameter of the wheel, which rotates at 28 rpm, is 7 ft., 3 in.

The trencher handles corrugated plastic or clay tile up to 8 in. in dia. In average soil conditions, and tiling at a depth of 3.5 ft., it lays 30 to 50 ft. of tile per min.

The tractor used on the trencher can be equipped with a blade to fill in the trench coming back. The blade can also be used to shave off the top of knolls, allowing the trencher to go deeper, if necessary, to maintain grade.

Cost of the trencher is \$28,000. An optional laser automatic grade control attachment sells for about \$12,000.

For more details, contact: FARM SHOW Followup, Kraft, Inc., Lowell Kraft, Pres., 135 N. Caseville Rd., Pigeon, Mich. 48755 (ph. 517 453-3641).



Height of 9-ton Warwick high lift tipping wagon is infinitely variable up to 11 ft., 9 in. Box can be tipped (to full 55°) for fast unloading at any height. Twin 3-stage cylinders do the lifting, and another 3 stage cylinder does the tipping.