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LETS ONE MAN LOAD AND UNLOAD BIG TOOLBARS, GRAIN HEADERS

New-Style Trailer Loads Itself With 3-Pt. Hitch

One man can load and transport 3-pt. mounted planters and row crop cultivators up to 12 rows wide, or grain headers up to 40 ft. wide, with this new trailer that's equipped with its own "lift and load" 3-pt. hitch.

The "Transporter" is a tandem axle trailer equipped with a 5 hp Briggs & Stratton gas engine. The engine powers a hydraulic pump that's used to raise and lower a specially designed 3-pt. hitch mounted above the tandem axles. (A specially designed attachment replaces the 3-pt. for hauling grain headers).

The 3-pt. is raised or lowered by a hydraulic cylinder and also can be hydraulically rotated 90 degrees along a steel track that's built into the trailer floor. A bank of control valves is used to control all movement of the 3-pt.

To load the implement or header, you back up the trailer and attach the implement to the 3-pt., then raise it off the ground and rotate the hitch 90 degrees until the implement is in line with the trailer.

"It eliminates the need for folding toolbar implements which cost thousands of dollars



Specially designed attachment replaces the 3-pt. for hauling grain headers. The 3-pt. is raised or lowered by a hydraulic cylinder and also can be hydraulically rotated 90 degrees along a steel track that's built into the trailer floor.

more than non-folding toolbar implements," says Keith Capdepon. "I built my first models for dealers, but farmers like them too. It works a lot better than other trailers because you don't need another tractor to load or unload the implement or header. The implement automatically locks into place on the 3-pt."

"The trailer's rubber torsion axles provide for a smooth ride. The standard axles can support up to 7,000 lbs. Optional heavy duty torsion axles support up to 8,000 lbs. Hydraulic surge brakes are standard equipment on

both axles. Optional hydraulic outlets allow you to load folding toolbar implements and operate remote cylinders that control the toolbar wings, row markers, etc. An optional 2,500-lb. assist winch is available to help load implements."

Sells for \$10,750. The heavy duty torsion axles sell for \$2,500.

Contact: FARM SHOW Followup, Tensas Machine & Mfg., Rt. 1, Box 139, Newellton, La. 71357 (ph 318 467-5254).

"No Hydraulics" Bucket-Mounted Rock Picker

"It has just one moving part and does a great job of picking up rocks, especially in fields with a lot of trash," says Larry Omann, St. Joseph, Minn., inventor of a new-style rock bucket with tines that mechanically flip rocks back into the bucket. No extra hydraulics are needed to power the rock forks.

Omman says his patented "PikRite", as he calls it, picks up rocks ranging from 1 in. dia. and up. He developed the new rock picker for his own use to mount on any skid steer loader. It worked so well he's now looking for a manufacturer.

The 6-ft. wide quick-tach rock bucket has evenly spaced teeth across the front lip that scoop rocks out of the ground, letting dirt and trash drop out as the rocks slide onto the teeth. The teeth pivot up on an enclosed steel shaft. Once the rock is on the tines he lowers the bucket until a "knee" lever hits the ground, then backs up. The lever digs into the ground, turning the tines up and flipping the rock back into the bucket. Driving forward again automatically resets the tines.

"I can flip rocks back one at a time into the bucket or gather several at a time on the tines and then dump them all at once," says Omann. "The speed in reverse determines

how far back the rock is flipped into the bucket. Rocks are held in the bucket by the housing over the front shaft. As a result, I can dig out rocks even with a full bucket. To dump the rocks I simply tilt the bucket all the way down and shake it.

"Skid steer loaders are so much more maneuverable than a tractor that I can clear a field with this rig in a fraction of the time of most other rock pickers. The rock bucket could also be fitted to a tractor or garden tractor as long as the operator has a good view of the bucket. Each tooth clamps on with one bolt. By loosening all the bolts I can move the teeth over in order to pick up even the smallest rocks.

"My neighbors Eugene and Joe Huls let me use their Case skid steer loader to test the unit."

Omman says he's made five different models for small and big skid steer loaders. One model is equipped with a 5-ft. bucket and 2-ft. long coiled Danish teeth. He's also made a model that can be bolted onto an existing bucket. And he has experimented with buckets that have slotted floors to let more dirt and trash fall through. He's now testing a spring tooth model. It pressures the rock out



Six-ft. wide bucket is equipped with tines that mechanically flip rocks back into bucket.

of the ground and won't dig out rocks over 2 ft. in diameter. If a tine bends it can easily be straightened using an 8-ft. long steel pipe.

Contact: FARM SHOW Followup, Larry Omann, 39947 95th Ave., St. Joseph, Minn. 56374 (ph 320 251-4274).

Bucket can be used to dig out rocks even when there are rocks in the bucket.



Ground-Driven Mini Spreader Built By Husband For Wife

When health problems made it difficult for Sue Zingshiem to load a full-size manure spreader, her husband, Mike, built her a ground-driven mini spreader that works just like the real thing but is not much higher than a wheelbarrow.

"We call it Zinger's Slinger," Sue says. "It's just the right size for me and cost only a fraction of what comparably sized mini-spreaders sell for."

Mike built the floor out of scrap metal and the sides out of pine 1 by 12's. The beaters were made by welding short metal spikes to pieces of angle iron that weld to a pair of

round end plates.

Mike bought gears, chains and sprockets from a local farm supply store.

The spreader is fitted with a pair of 26 by 12-in. garden tractor turf tires he bought from a neighbor for \$40.

When used with their skid steer, the loader will hold on 60-in. wide bucket full of manure.

Out-of-pocket expense was \$500.

Contact: FARM SHOW Followup, Mike and Sue Zingshiem, 5501 Boxelder Rd., Marshall, Wis. 53559-9766 (ph 608 655-3530).



Not much higher than a wheelbarrow, the mini spreader is fitted with a pair of 26 by 12-in. garden tractor turf tires.