

## Tractor-Mounted Scaffold



"It's useful because we can take our tools and materials up with us on the platform without struggling to carry them up a ladder, and without the danger of working from a loader bucket," says John Ewalt, who with his sons, Fred and Tony, designed and built a scaffold that mounts on the tractor 3-pt. "It gives us a wide area to work on and a solid floor so we can safely use both hands to work."

The platform is 2 ft. wide and 8 ft. long. Lifting capacity is

about 1 ton. The scaffold has a 7 ft. extension that can be put on without bolts in about 1 min., extending the scaffold's working height to a total length of about 25 ft. A hydraulic cylinder will move the platform 45° forward and backward. It has an attachment to set posts that can be put on without bolts in less than a minute.

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## 100-Ft. Front-Mounted Sprayer

"This may be all the sprayer you'll ever need," says Scott Peacock, Alliance, Alberta, about the 100-ft. front-mounted sprayer he built for use on his farm.

"Two 250 gal. Demco tanks are mounted on the front of a 2470 Case 4-wheel drive tractor. I built the booms from 2½-in. steel pipe in a special truss configuration. Stainless steel nozzles along the bottom of the boom are fed chemical through 1¼-in. plastic pipe. The booms are hinged at each set of tandem caster wheels as well as at the end of each tank. A 3-in. hydraulic ram on either side lifts

each boom. The outer 10 ft. of each end is swivel mounted and spring tensioned to allow for movement in case of misjudgement and to fold the segments up for transport.

"Each set of tandem 14-in. radial tired wheels is mounted in line with each other. Other equipment includes a 1½-in. turbo centrifugal pump, a Demco cab-mounted boom selector with pressure gauge and control, an SED spray monitor and an Adja silver marker.

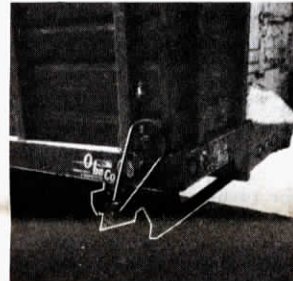
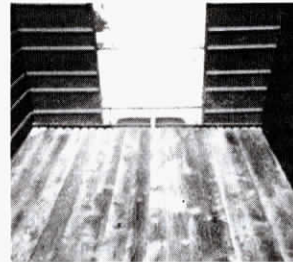
"The size of the boom can be reduced to incorporate herbicides by removing sections."



## Combine Forklift

Max Louder, Boardman, Ore., adapted a hydraulic forklift to his International 1480 combine to get a second use out of the machine, which would otherwise sit idle most of the year.

"It will lift a conventional 24-ft. header and pickup reel to a height of about 11 ft. and can be tilted forward and backward while it's lifting, thanks to a diverter valve adapted to the combine's hydraulic system. The combine handles the 24-ft. table with no problem. However, for extra heavy loads around the farm, the base of the forklift can be rested on the ground to relieve the feederhouse of the strain," says Max.



## Grain Box Corner Auger

"I enjoy FARM SHOW very much and can't wait to see all the new ideas in each issue. Now I'd like to share a couple handy ideas with your readers," says Larry D. Pelzer, Lewis, Iowa.

"I installed a 3-in. auger across the back of my grain truck in order to get the grain out of the corners when dumping — without having to climb in back with a shovel. It has right and left hand screws to move grain to the center. The drive is an old car starter mounted on a back corner under the box. I simply push a switch to start it once grain stops running out of the box on its own. In 8 to 10 seconds, the box is completely empty.

"Another idea that has worked out well was to mount an old air conditioner compressor under the hood of my pickup. It's connected to a pressure tank in the back of the truck. This is very handy to run air tools, fill tires or whatever else you may need compressed air for in the field."

## "Out Front" Tractor Mower

"I always enjoy reading about lawn mowers in FARM SHOW that other farmers have built. Maybe your readers would like to see mine," says Roger Meihak, Forest Lake, Minn., who built a 7½-ft. "out front" mower for his tractor.

Meihak notes that, besides having 1 to 2 acres to mow, he's had problems with all the other mowers he owned "scalping" his lawn because they didn't have the flexibility to float over varying terrain.

"My rig consists of three surplus Toro decks, purchased for \$35 each, fastened together in such a way as to follow almost any ground contour. Power is supplied by the hydraulic pump on the tractor running a Gresen high speed hydraulic motor mounted on the center deck. The decks are joined so that the blades overlap in their cut."

Extended wheel supports let the mower float independently of the tractor. Meihak specially built the frame which supports the mower.

