

Off-Road Vehicle From Deere

MOLINE, IL — From now on you may hear people saying AMT when they're referring to a utility hauler that can ride over rough terrain. That's because John Deere has introduced a totally new concept in off-road vehicle design — the AMT 600. AMT can stand for Almost A Truck, according to John Deere marketing coordinator Pat Hammell. "When we developed the AMT, there were only two kinds of vehicles on the market. Those with the ability to handle a wide variety of terrain but with low cargo carrying capacity. And those with high cargo capacity but no ability to run cross-country. Since our utility vehicle combines high cargo capacity with off-road capability, we decided to give it a new name. The AMT 600 can haul up to 600 pounds of material over all kinds of ground conditions."

One aspect of the design that makes the AMT so unusual is the drive system. There are four wheels under the cargo box and a three-step drive system that powers all four wheels.

The first step is a variable-speed drive system that transfers power from the engine. There's a centrifugal primary clutch on the engine that's connected by a drive belt to a secondary sheave. With increasing and decreasing engine speed, the belt ratio changes automatically. So the operator can change travel speeds simply by pressing a throttle lever on the right handlebar for infinite speed control up to 20 mph. There's no shifting necessary. When the throttle lever is not engaged, the engine idles.

The primary produces a 62-to-1 torque reduction for lugging ability under load.

The second step is a transaxle that carries the power to the first set of wheels. The transaxle has three settings — forward, neutral and reverse. It's designed to include a differential action that



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allows the inside wheels to rotate slower than the outside wheels in a turn, lessening wheel skid and tire scuffing. A differential lock is built in for traction in slippery spots.

The third step is case hardened roller chain that powers the second set of wheels. The rear axle is driven by #50 heavy-duty industrial chain from the center axle so that both sets of wheels work in tandem.

Another unique feature of the AMT 600 is its fifth wheel used for steering. The 5-wheel configuration provides stability that's espe-

cially appreciated when running in rugged country.

The power plant is an 8.5 hp (341cc) gasoline engine with electric start. Fuel capacity is 4.75 gallons (U.S.) or 18 L. The 12-volt electrical system includes a battery rated at 32 amps per hour and an 11 amp alternator. A 50-watt halogen headlight is standard equipment.

The brake control is a lever on the left handlebar. When engaged it activates two 10-inch disc brakes providing nearly 9,000 inch-pounds of stopping power at the rear axle.

Load capacity is rated at 600

Glatfelter Pulp Shares Cost Of Seedlings

SPRING GROVE — Landowners are reminded that it is time to plan for tree planting to be done in the Spring of 1988. The Glatfelter Pulp Wood Company, Spring Grove, Pennsylvania, will share on a 50-50 basis, the cost of seedlings with interested landowners. Since the inception of the company program in 1951, more than 17 million seedlings have been furnished to landowners in these south central Pennsylvania counties: Adams, Berks, Cumberland, Dauphin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Northumberland, Perry, Schuylkill, Snyder and York.

Tree seedlings available this year under the Glatfelter program are Austrian pine, Virginia pine, Japanese larch, white pine, red pine, Norway spruce and white spruce and Glatfelter will match the purchase of up to 5,000 seedlings by an individual landowner. Orders will be filled on a first-come, first-serve basis. All seedlings are furnished by the Pennsylvania Department of Environmental Resources. The Glatfelter Company imposes no restrictions of any kind, but the landowners must comply with State regulations regarding the planting of these trees. For example, they may not be used for Christmas trees, decorative or ornamental uses or for windbreaks. Minimum order acceptable is for 1,000 seedlings, which will plant 1½ acres. All trees become the property of the

landowner who may harvest them at a future date for any wood product.

The Glatfelter program has an overall dollar limitation. Seedling orders will be accepted by the Department on a first-come basis until the Glatfelter program dollar limit has been reached. After that, payment for orders will be the responsibility of the landowner.

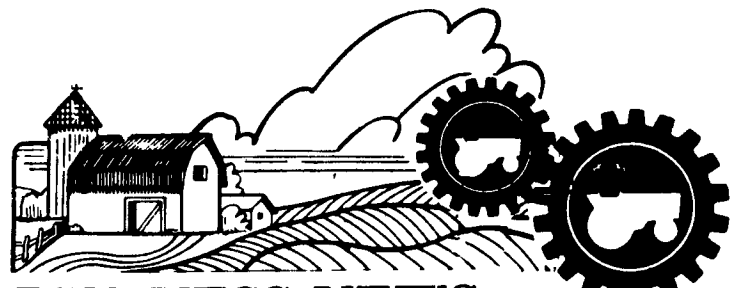
KAUKAUNA, WI — A new, high-capacity manure auger, featuring an over-size auger for faster, more efficient movement of manure from barn to spreader, is now available from Badger Northland Inc., the Kaukauna, Wisconsin-based manufacturer of farm materials handling equipment.

The Badger BN130 Manure Auger, designed to prevent manure rollback and provide continuous material movement, features a 13¼" diameter auger, the largest available. Housed in a rust-free 15" diameter heavy wall PVC pipe, the auger's ¼" thick steel flighting and ¾" pitch assure greater durability and increased conveying capacity, even at steep angles. A heavy-duty drive frame with double reduction drive keeps the auger moving at 190 revolutions-per-minute, for faster

and more efficient manure handling.

For added strength and extended use, the auger's lower end bearing and hopper mount are made of a rigid steel channel-type design. The lower auger support bearing is constructed of special self-lubricating wood to eliminate maintenance. And all precision ball bearings are protected from manure contact and relubricable for longer service life.

Available in 16', 18' and 20' lengths, with horsepower requirements of 5 hp. and 7½ hp., The Badger BN130 Manure Auger can be ordered with an optional stand to support the unit when required. For additional information write: Manure Auger, Badger Northland Inc., 1215 Hyland Avenue, P.O. Box 1215, Kaukauna, WI 54130-9986, or call (414) 766-4603.



BUSINESS NEWS...

Lamens Joins Beachley-Hardy

SHIREMANSTOWN, PA — Burton W. Lamens has joined Beachley-Hardy Seed Company as a sales representative in southeastern Pennsylvania and New Jersey, according to Hugh MacWilliam, General Manager. Beachley-Hardy is a division of Pennfield Corporation, Lancaster, Pennsylvania.

A graduate of Mansfield State College where he received his

B.A. degree in Geography and Regional Planning, Lamens was formerly associated with NaChurs Plant Food Company, Marion, Ohio, as a regional sales manager covering southcentral Pennsylvania and northern Maryland, and prior to that was with Cargill Incorporated, Minneapolis, Minnesota, as a territory manager.

Lamens resides in Halifax, Pennsylvania with his wife and three children.

Automatic Equipment To Expand Plant

PENDER, NE — Automatic Equipment Mfg. Co. will expand into newly-completed plant area on January 1, 1988, according to Selwyn Hesse, President. The new area totals 20,000 sq. ft. and will mean approximately 20 new jobs in the Pender, Nebraska plant, according to Hesse.

"The addition is Phase I of plant expansion and will accommodate additional painting and assembly for manufacturing of Soilmoover

pounds in the cargo box, or 12.5 cubic feet of loose material. The box measures 48¼ inches wide (inside), 43 inches long and 11 inches deep. The box can be lifted to a 45-degree angle for cleaning, and for access to the drive components.

There's a 22½-inch front tire and four 25-inch rear tires. With an average of 17 pounds per square inch per tire (with a 200-pound operator and 600-pound load), the AMT can ride over turf without rutting or causing ground compaction problems.

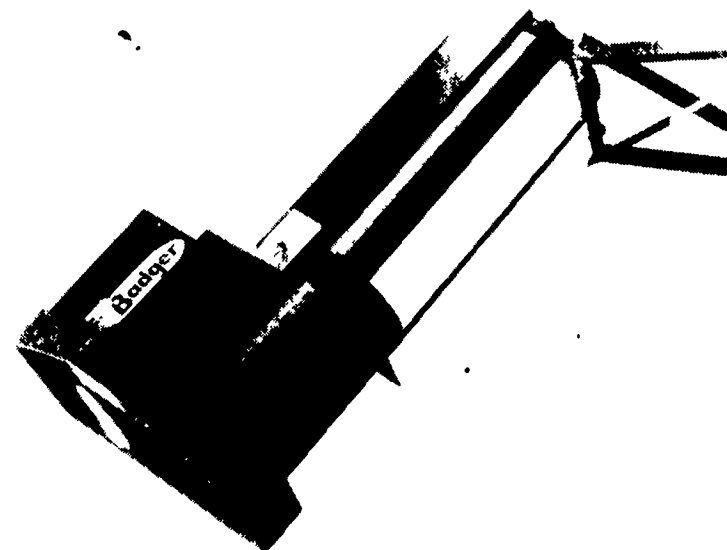
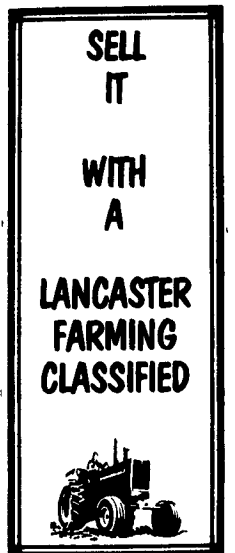
An optional tow hitch allows the AMT 600 to pull another 1,000 pounds behind.

The AMT weighs 800 pounds. It's sized right to fit in the bed of a standard pickup truck for fast transport to the end of the road.

Where the pickup truck stops is where the AMT begins.

Scrapers plus a growing number of items for the recreation industry."

"Phase II of the expansion is underway and will include an additional 5,000 sq. ft. of warehouse facilities," he added. Automatic is well-established in the agricultural equipment industry. In addition to Soilmoover Scrapers, they manufacture the world's most complete line of Roller Mills and Feed Handling Equipment plus a complete line of Mist Sprayers. Recently, they have expanded into recreation industry with Kar-Tote car trailers, Power Movers, Neet Seet portable seats, and other products. Other new products are in the development stage, according to Hesse.



This high-capacity manure auger moves manure from barn to spreader quickly and efficiently.