

When not using the welder, you can use it to jump start tractors or other vehicles.

RUNS OFF TWO 12 VOLT BATTERIES

Century Unveils First Battery-Powered Welder

First on the market with a battery-powered welder that's portable and as easy to take to the field as a lunch bucket is Century Mfg., Minneapolis, Minn.

The new portable MIG is powered by two 12 volt (or one 24 volt) tractor or automotive batteries. "It uses .045 in. flux-cored welding wire, thus eliminating the need for any shielding gas to make strong reliable welds," explains Davy Cousins, sales manager.

The portable MIG provides enough welding power to make welds on metal ranging from 22 ga. sheet metal up to 1/2 in. thick plate steel. In an average repair job, the unit can operate for 30 to 50 minutes before exchanging the batteries becomes necessary. An optional "battery isolator and jump start" kit is available, allowing you to operate the

welder and, at the same time, charge the batteries from your tractor, car or pickup's charging system. Also, when not using the welder, you can use the kit to jump start tractors or vehicles equipped with 12 or 24 volt batteries.

Suggested retail of the MIG is \$449.50, including the welding gun, 10 ft. of cable and battery clamps, 10 lbs. of .045 in. flux-cored wire, helmet and spare welding nozzles and contact tips. The "battery isolator and jump start" kit sells for \$99.50. An optional gas conversion kit, which lets you weld with standard steel wire and shielding gas, sells for \$65.50.

For more information, contact: FARM SHOW Followup, 9231 Penn Ave. S., Minneapolis, Minn. 55431 (ph 612 884-3211).

GOES A STEP BEYOND MONITORS TO INITIATE PROBLEM-SOLVING ACTION

New Automatic Aeration Control For Grain Bins

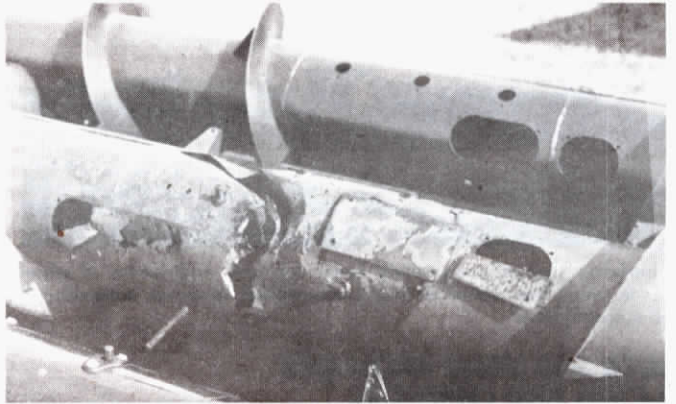
"Grain bin monitors tell you if hot spots are developing but they don't do anything on their own to solve the problem. Our new Automatic Aeration Control does," says Tom Kuutti, president of OT Industries, of St. Paul, Minn. "If there's a problem — such as a hot spot developing — the control automatically senses the problem and turns on aeration fans."

You simply set the unit to the desired ranges for temperature and humidity. If any one of several sensors located inside the bin detect a reading outside of the predetermined range, aeration fans automatically start. When both temperature and humidity return to

within the set-point limits, the fans are automatically turned off. A built-in hour meter automatically records operating time of the blower fans so you know how much aeration activity there's been. Simple monitoring and electrical hookup makes the unit easy to move from one bin location to another, says Kuutti.

Sells for \$699. Comes with 5 sensor probes for inside the bin and automatically controls up to four blower fans.

For more details, contact: FARM SHOW Followup, OT Industries, 877 Third St. West, St. Paul, Minn. 55112 (ph 612 227-3174).



Schmidt replaces beat up center sections with new sections built in his shop.

LESS THAN HALF THE COST OF NEW

Massey Dealer Rebuilds Combine Feeder Augers

Beat up feeder augers are a common sight, even on late model combines, but the high cost of replacements usually means old augers stay in place until they fall apart.

Now, an Ohio equipment dealer has found a way to cut replacement costs in half by rebuilding damaged augers.

Bill Schmidt, an Upper Sandusky Massey Ferguson dealer, says damage to feeder augers almost always occurs in the center section that feeds directly into the feeder house. So he's designed replacement center sections to fit most any combine auger. They weld right into place once the damaged parts are removed.

"The replacement sections are rolled and punched to fit the combine and then fitted in place with the aid of a special jig," Schmidt explained to FARM SHOW. "Once repaired, the augers are as strong as the original and, in some cases, stronger."

Compared to the price of a new auger — anywhere from \$800 to \$1300 — Schmidt's price of \$350 to \$600 saves one-half the cost or more. And, he says dealers often do not stock the augers so they are either

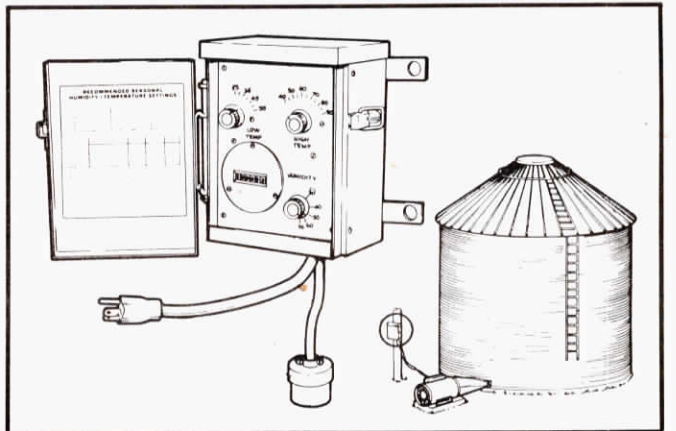
difficult to obtain, especially during harvest, or are no longer in production and must be rebuilt.

"Other shops have tried rebuilding feeder augers in the past but, so far as we know, we're the only shop doing it now. It's difficult to build the parts just right so the combine will continue to feed well, and so the replacement parts will last. The trick is to weld the new sections in straight," says Schmidt.

Farmers from up to several hundred miles away have been bringing their augers into Schmidt Equipment. He has also contracted with several other combine salvage yards in other states that are qualified to install the replacement parts. Schmidt says that if a farmer is a good welder he can probably install the replacement sections himself.

Rebuilt centers alone sell for around \$100. If other parts of the auger are worn out, Schmidt says his shop is set up to repair that damage as well.

For more information, contact: FARM SHOW Followup, Schmidt Machine Co., Upper Sandusky, Ohio 43351 (ph 419 294-3814).



New monitor detects hot spots, then automatically starts fans to cool them down.