



Entire feeder is suspended from ceiling (ceiling height not critical). Adapts to new or existing stall or stanchion type barns.

FEEDS MEASURED AMOUNT OF SILAGE TO INDIVIDUAL COWS

Automatic Stall Feeder

Individual cows are served a measured amount of silage with a first-of-its kind automatic stall or stanchion feeder introduced by Johansen Mfg., Lakeville, Minn.

A prototype installation has been operating for three years. "We've monitored it closely, making a few refinements and ironing out the bugs. We're now tooled up to produce the feeders commercially," Loren Johansen, a mechanical engineer who with his father, Clarence, a DHIA tester in Ottertail County, Minn., teamed up to develop the patented silage/haylage feeder.

The automatic feeder readily adapts to new or existing barns and can be preset to feed from 0 to about 2 bu. of silage per cow per feeding. One cow, for example, can be fed 2 bu. of silage, the cow on her right 1 bu., and the cow on her left can be bypassed completely.

Silage can be dispensed immediately after the feeder is filled, or, the feeder can be "loaded" and a timer set to drop the feed automatically at a given time during the day or night.

Johansen is exploring other uses for the feeder. "In feedlots, for example, it could be used to feed all the cattle simultaneously the entire length of the bunk, thus eliminating the usual fighting for position when cattle have to wait to be fed," he points out.

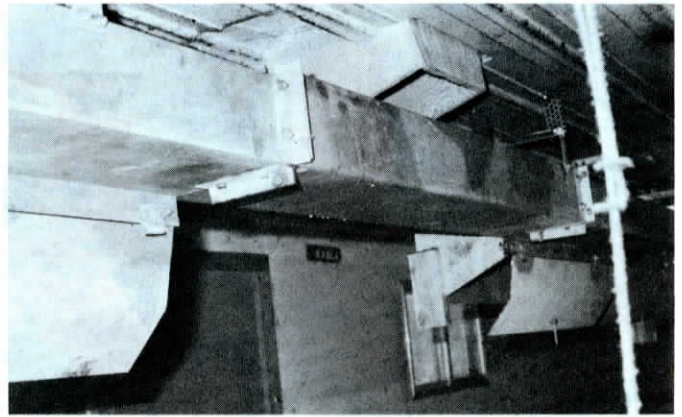
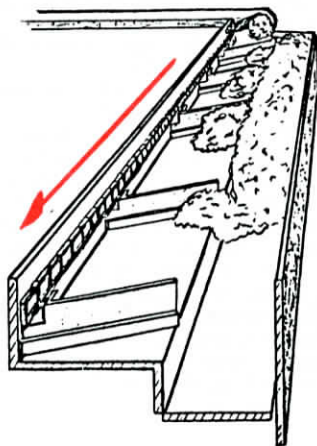
It takes about three days to install a complete system for 75 to 100 cows. Measurements are taken and the feeder housing then fabricated to the specs. Cost of a complete system for a stall or stanchion barn is estimated at about \$100 per cow, installed.

For more details, contact: FARM SHOW Followup, Johansen Mfg., Loren Johansen, Pres., 17971 Ixonia Ave. W., Lakeville, Minn. 55044 (ph. 612 435-8373).



Chain-driven paddles move in direction of the arrow to push silage into compartment.

Bottom of the compartment is hinged and drops down to dump silage into stall or stanchion below.



Auxiliary door installed in an aisle section can be used to fill a silage cart for feeding animals not fed by the ceiling feeder.



The Controliner provides air-tight storage of confinement unit wastes for up to one year. Manure does not form a crust or freeze over, even in cold climates. Manure removed as a slurry can be pumped out and "knifed" into the soil.

AIRTIGHT "BAGGIE" HOLDS 30,000 GALS.

New Waste Storage Collection System

A new concept in livestock waste management systems was recently installed on a farm southwest of Fairfax, Minn.

The waste system, installed in conjunction with a factory-built confinement building, features a prefabricated thermo plastic waste collection pan which collects waste from under the slatted floor of the confinement building and gravity feeds it by pipeline to an outside waste storage structure called the Controliner.

The Controliner — an air-tight "baggie" manufactured by Environetics, Inc., Bridgeview, Ill., consists of a thermoplastic pit liner and sealed floating cover installed in an earthen pit. The Controliner kit is supplied with the necessary accessories for attachment to the waste feed line, agitation/removal hoses, cover flotation pillows, etc.

Installation of the Environetics waste storage system requires only one day for a 4 man crew, after the excavations are prepared. The system's capacity is 30,000 gallons,

enough to provide completely odorless storage for waste from a farrowing operation producing about 1,200 pigs per year. It was designed with a 12 month storage capacity due to the climate requirements in Minnesota.

The collection pan assures efficient collection of the waste beneath the slatted floor, and thorough removal of waste from the building to the Controliner. This feature eliminates the formation of gases and pathogen breeding areas within the building. Also, the plastic collection pan provides a slick, hydraulic surface for the ultimate cleanliness required after sterilization of the building following each farrowing cycle. The pan liners are custom fabricated for any size building, while the Controliner is supplied in modular sizes ranging from 15,000 to 250,000 gal. capacities.

For more details, contact: FARM SHOW Followup, Raymond Winters, Environetics, Inc., 9824 Industrial Drive, Bridgeview, Ill. 60455 (ph. 312 585-6000).