To: Tom Knapton

C-E Bauer/Bulletin G-22C

for processing extremely wet and/or bulky materials Food Inlet Extension Screws Large opening, suitable

Supplied when needed for materials that are to aid movement of difficult to feed Synchronized, intermeshing dense materials, such counter-rotating, self-cleaning. as wood pulp. Gear Case Main Drainage Cage Screw Flights Non-clogging screen design, Designed to compact fibrous oil-lubricated extra reinforcement, Extends

Speed Reduc Rugged, gear type for positive power transmission and long, dependable

Drecision spur gears

entire tangth of screws to provide ample drainage, even for extremely

material under progressively increased pressure for effective dewatering, positive movement and uniform discharge.

Cross-Discharge Screw Variable speed "valve" screw-conveyor; controls dwell time and flow through the press; provides additional pressing capability.

Cross Discharge Drainage Cage Constructed same as main cage, Provides additional drainage area; helps prevent toss of plug in main screws.

A unique, patented twin-screw device ... designed for continuous, precisely controlled, low-to-medium pressure dewatering at high capacity. Mechanical action provides uniform dryness . . . beneficial in many processes.

Dewaters corn germs so gently that the oil is retained.

Squeezes moisture out of chopped alfalfa and other grasses so carefully that the high protein feed value is saved.

Thickens high moisture slurries in pulp, paper and board mills. Increases consistency of fruit and grain residues and other solids/liquids mixtures in food, chemical and oil seed industries.

Also useful for dewatering certain fibrous-type sludges.

Helps control pollution . . . speeds drying, facilitates handling and disposal of heavy, excessively wet substances.

Saves energy . . . installs just ahead of dryer or dehydrator . . . substantially reduces amount of fuel required for the thermal device.

A high capacity unit . . . actual capacity is determined by density and moisture content of the material being processed ... by solids levels and physical characteristics



Two Helipress units, shown from drive end, dewater corn germ in a modern corn processing plant.

of feed solids ... and by how dry the end product must be. Note examples below:

Product

Typical Capacities

Com

25,000 to 30,000 bushels per day in at 8% to 10% solids—out at 50% solids

Pulp and Paper

23 to 25 tons per day in at 4% consistency—out at 25% consistency

Chopped Alfalfa

10 tons per hour in at 18% to 20%

solids-out at 40% solids