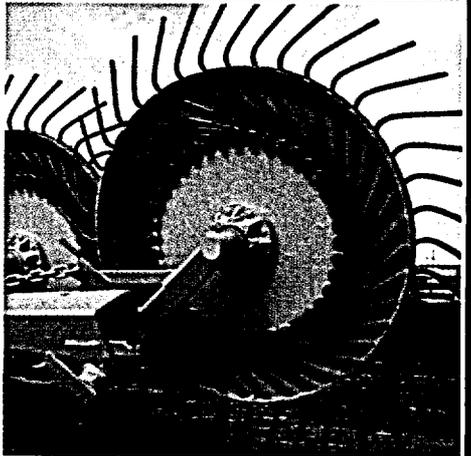
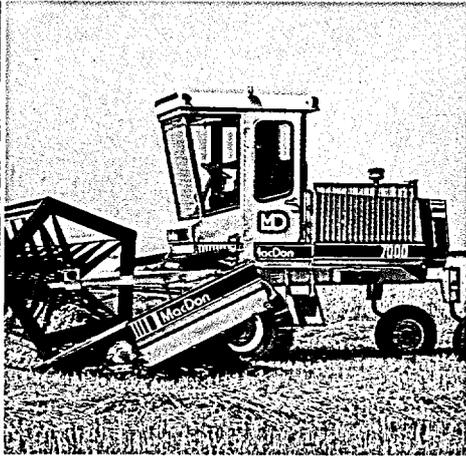
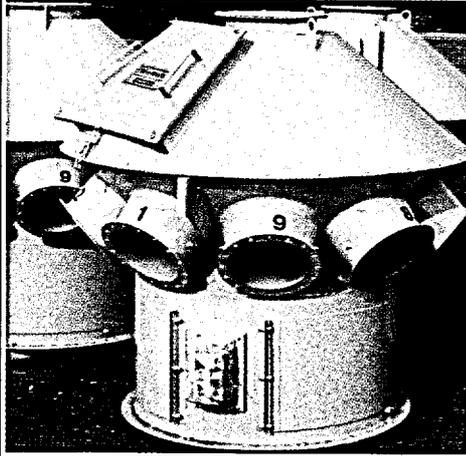
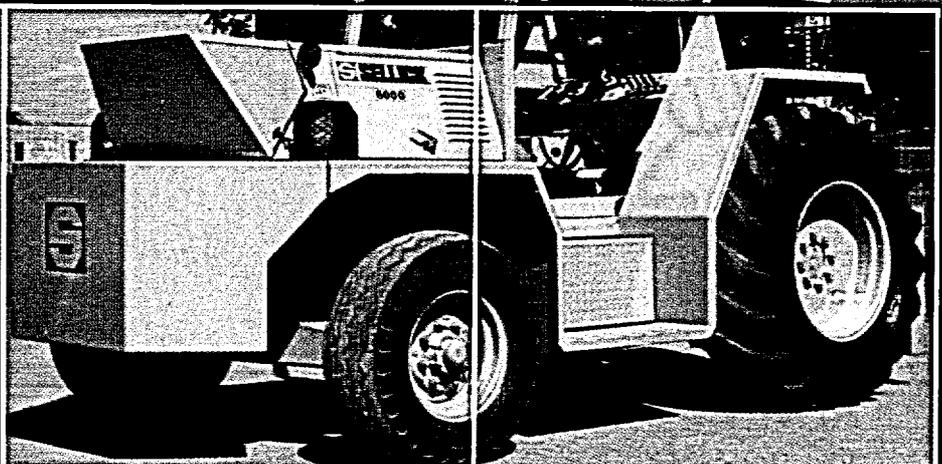
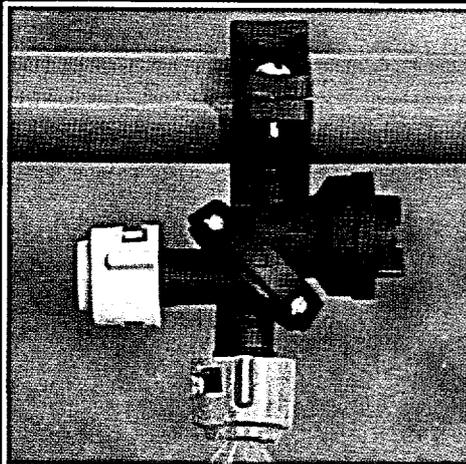


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CANADIAN AGRICULTURAL EQUIPMENT AND MACHINERY FOR WORLD MARKETS



Canada

**CANADIAN
AGRICULTURAL
EQUIPMENT AND
MACHINERY
FOR WORLD MARKETS**

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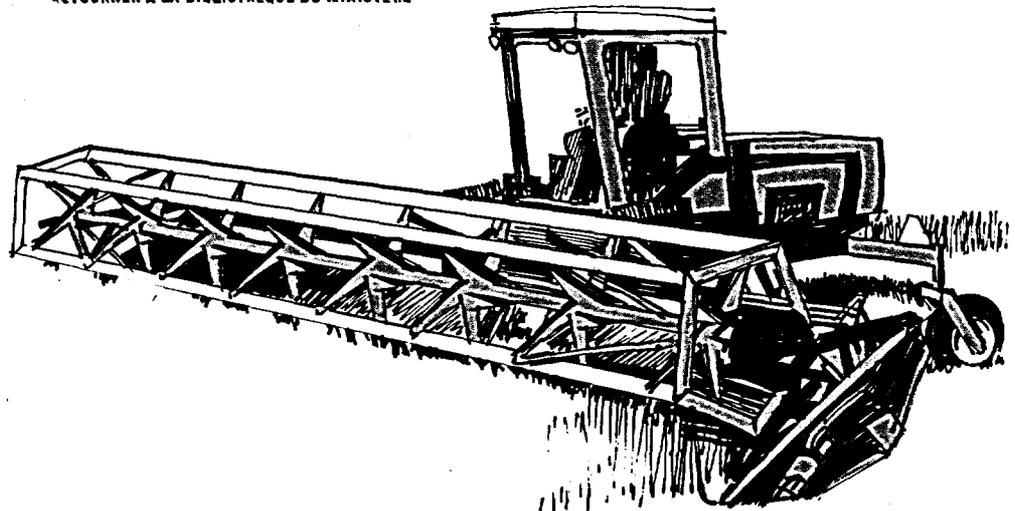


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INTRODUCTION

Agriculture has always been a vitally important economic sector throughout Canada, where nearly 80 million hectares (200 million acres) are under cultivation. This land is devoted mainly to the production of grain, livestock or a combination of the two, and specialty crops such as fruits and tobacco. All but one fifth of the farmland lies in Western Canada where crops depend heavily on mechanized cultivation and harvesting.

In serving the agricultural community at home and abroad, Canadian farm equipment manufacturers provide a complete range of machinery for use in land clearing, drainage and irrigation; livestock and dairy; dry land grain farming; horticultural and specialty crops; and grain handling, storage and processing.

As far back as the late 1800s, Canada was making important overseas sales of cultivating, haying and harvesting equipment. Over the years, these exports have increased substantially, earning Canada an enviable reputation as a supplier of high quality, reliable equipment for growing, harvesting, storing and transporting grain.

Canadian-made farm equipment is exported to all parts of the world, notably the United States, the European Community, the Middle East, Australia, South America, the USSR and Eastern Europe. Shipments include large, four-wheel-drive tractors, combines, swathers, cultivators, barn equipment and tobacco-harvesting machinery.

Special agricultural knowledge, provided by Canadian consultants and engineers, has resulted in advances throughout the world in crops, soil and animal science, farm management, horticulture, agriculture engineering and economics, and food processing.

This directory has been published by the Canadian Department of External

Affairs in co-operation with the Department of Regional Industrial Expansion and the companies listed. Distributors, dealers and users, wherever they are located, can be assured of a prompt response to their enquiries, reliable service and supply of parts.

Further information is available from the companies or from the trade section of your nearest Canadian embassy, high commission or consulate.

ALPHABETICAL LIST OF COMPANIES

Accu Agricultural Implements Ltd.
Adams Grain Dryer Co. Ltd.
Agri-Canvas Inc.
Agro Plus Ltd.
Arnold Farm-Vet Ltd.
Association des Fabricants de Matériel Agricole du Québec
B & R Choinière Ltée
BCB Agricultural Equipment Company Canada Limited
BRG Intercontinental Limited
Baker Electronic Enterprises Inc.
Bari Crop Dusters
Behlen Industries Limited
Beline Manufacturing Co. Ltd.
Ber-Vac Inc.
Berglund Industrial Supply Co. Ltd.
Bonar Plastics Western Ltd.
Brandt Industries Ltd.
Canadian Tool & Die Ltd.
Central Canadian Structures Ltd.
Cereal Implements
Chapman's Grain Equipment Ltd.
Degelman Industries Ltd.
Del Equipment Limited
Dika Industries Ltd.
Edwards Rod Weeder Ltd.
Équipement Agricole Côté Inc.
Fairford Industries Ltd.
Fair-Grade Scales
Farmatic Inc.
Farm King Allied Inc.
Farm Land Agro Supply (Red Deer) Ltd.
Faroex Ltd.
Faromor Inc.
Flexi-Coil Ltd.
Forever Industries (1971) Ltd.
Frey Livestock Equipment
G & C Béchard Sales and Service Ltd.
Green Drop Equipment Ltd.
Hardi Inc.
Holland Equipment Limited
Honey Bee Manufacturing Ltd.
Howard Concave Corp.
Husky Farm Equipment Limited
IPL Inc.
Jodale-Perry Corporation
John Deere Welland Works of John Deere Limited
KEHO Alta Products Ltd.
KSL Industries Ltd.
Kello-Bilt Industries Ltd.
Kenhar Products Inc.
Ketchum Manufacturing Sales Limited
L.H. Resource Management Inc.
Labtronics
La Compagnie Normand Limitée (Normand Company Ltd.)
Lanark Equipment Ltd.
Leon Ram Enterprises Inc.
Les Équipements Hardy inc.
Les Équipements Tardif inc.
Les Industries Desjardins Limitée
Lewis Cattle Oiler Co. Ltd.
M. K. Rittenhouse and Sons Limited
MacDon Industries Ltd.
Machinerie Idéale Cie Ltée
Magikist Ltd.
Maritime Farm Implements Ltd.

Massey Combines Corporation
McCoy Brothers Group
Midland Mfg. Limited
Monarch Industries Limited
Morris Rod-Weeder Co. Ltd.
Omega Machinery Ltd.
Prairie Implement Manufacturers
Association
Prairie Pride Enterprises Ltd.
Prairie Systems & Equipment Ltd.
Ralph McKay (Canada) Ltd.
RENN Division of Anthes Industries Inc.
Richardson Great Northern
Manufacturing Inc.
Rite Way Mfg Co. Ltd.
Rock-O-Matic Industries
Rogers Engineering Inc.
Rotheisler Equipment Limited
Sass Manufacturing Limited
Schouten Feeders Inc.
Schulte Industries Ltd.
Sellick Equipment Ltd.
Simon-Day Ltd.
Spierco Industries Ltd.
Stirco Inc.
Sullivan Strong Scott Ltd.

Sutherland Steel Foundry Ltd.
Techtrol Ltd.
Thomas Equipment Ltd.
Trail Rite Flatdecks Ltd.
Transfeeder Inc.
Triple "T" Enterprises (1986) Ltd.
Ty-Crop Welding & Mfg. Ltd.
Univerco Hydraulique (1978) Inc.
Vana Industries Ltd.
Vary Industries (1982) Ltd.
Versatile Farm Equipment Company
Versatile Noble Cultivators Company
Vicon Inc.
Weninger Industries Ltd.
Westbrooke Greenhouse Systems Ltd.
Westeel, Division of Jannock Limited
Western Industries (St. Gregor) Ltd.
Wevea Canada Limited Partnership
Wheatheart Hydrostatic & Machine Ltd.
WIC Inc.
Wilger Industries Ltd.
Wy-Lee Industries Ltd.

Accu Agricultural Implements Ltd.

P.O. Box 53

Senlac, Saskatchewan

Canada S0L 2Y0

Tel: (306) 228-3140

Contact:

Mr. Victor Babchuck
General Manager

Accu Agricultural Implements Ltd. was established in 1982. The company began development of a product that was capable of metering granular products for the purpose of seeding, deep banding, and applying granular herbicides. It entered the market place in the fall of 1983 with a low cost alternative to the conventional air seeder. Accu has since expanded its product line and its market share with a continued drive to obtain new dealers and sales representatives as well as original equipment manufacturers' sales to a firm in the United States.

Accu Agricultural Implements Ltd. manufactures 'Gravity Flow Boxes'

which are installed on existing cultivators, drills and other agricultural equipment. Considerable time was spent developing a unique metering system which is the strong point of this product. This system consists of a corrosion-resistant glass clad nylon seed cup and nylon flute metering wheels. It is very accurate, with only a 3 per cent variance across the width of a machine, as reported by the Prairie Agricultural Machinery Institute (PAMI) and the University of Saskatchewan. An evaluation test on the product manufactured at Accu was performed by PAMI (report number 496) and rated the product as good or very good in the following categories: quality of work, ease of installation, monitoring, ease of transporting, application rate adjustment and Operator's manual.

Accu Gravity Flow Boxes

Capacity:

- 1) W-Tanks 208 kg/m (140 lbs/ft) cultivator
- 2) Split Tank
 - a) 148.8 kg/m (100 lbs/ft) cultivator (fertilizer)
 - b) 96.73 kg/m (65 lbs/ft) cultivator (seed)

Construction:

14 and 12-gauge steel

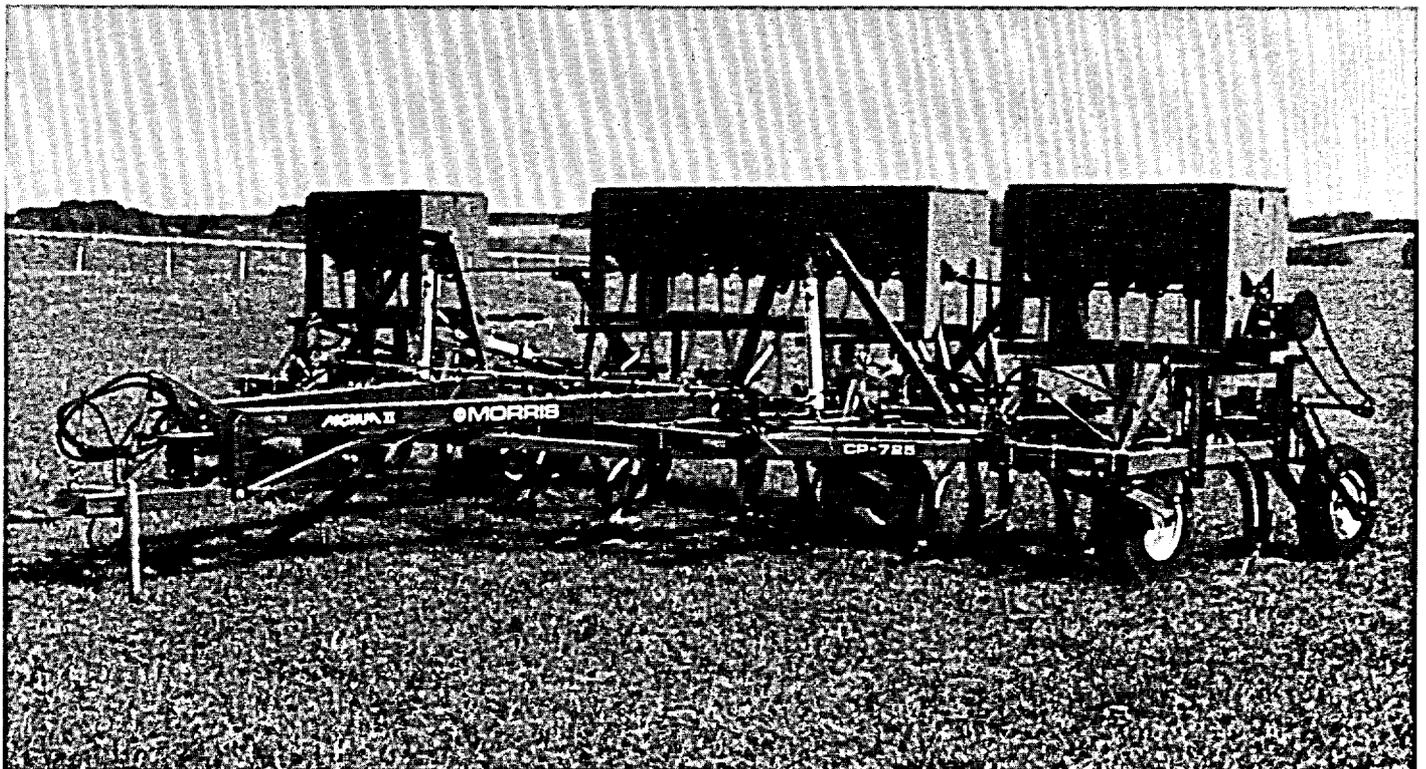
Drive:

Ground drive, 27 speed settings

Mounting:

Adapts to virtually any cultivator

Accu's Gravity Flow Boxes offer a highly accurate metering system for application of seed grain and fertilizer, or granular herbicides.



Adams Grain Dryer Co. Ltd.
1944 St. George Avenue
Saskatoon, Saskatchewan
Canada S7M 0K5
Tel: (306) 652-4913

Contact:

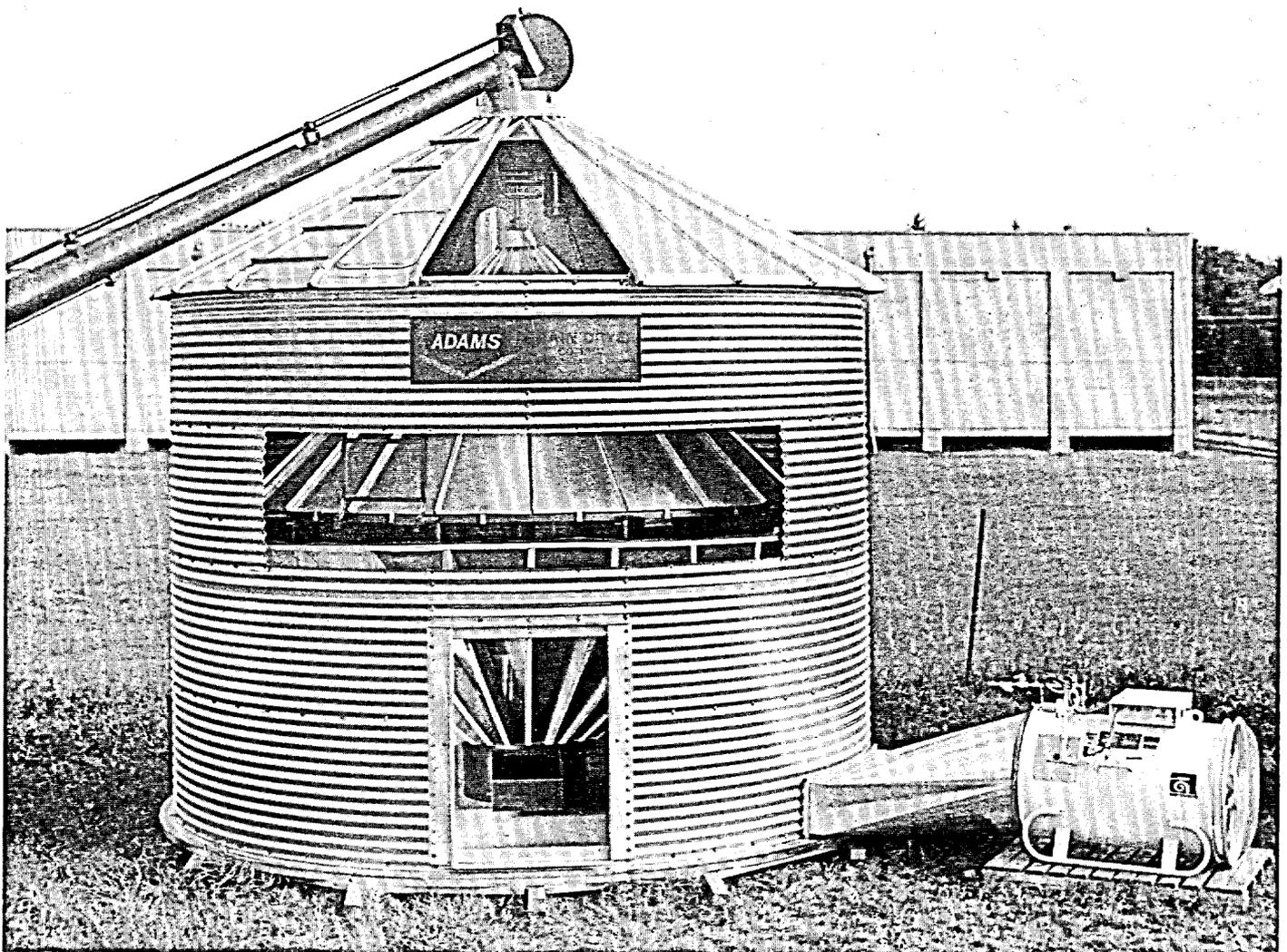
Mr. Arnold L. Adams
President

Adams Grain Dryer Co. Ltd. was established in 1972. The grain dryer component system which Adams has devised can be installed in an existing steel bin and will help prevent wastage of wet grains, rice, or other farm produce.

The dryer has a capacity of 17.7 m³ (485 bushels) of coarse grain and can dry grain of any moisture content or kernel size. Various types of produce can be bagged, stacked and dried in the Adams Grain Dryer. The dryer, which has an enclosed design, requires no manual handling of the grains and maximizes the use of heat and drying in adverse weather conditions.

The use of propane or natural gas fuel is recommended.

The Adams Grain Dryer, with a capacity of 17.7 m³ (485 bushels), can handle grain of any moisture content or kernel size.

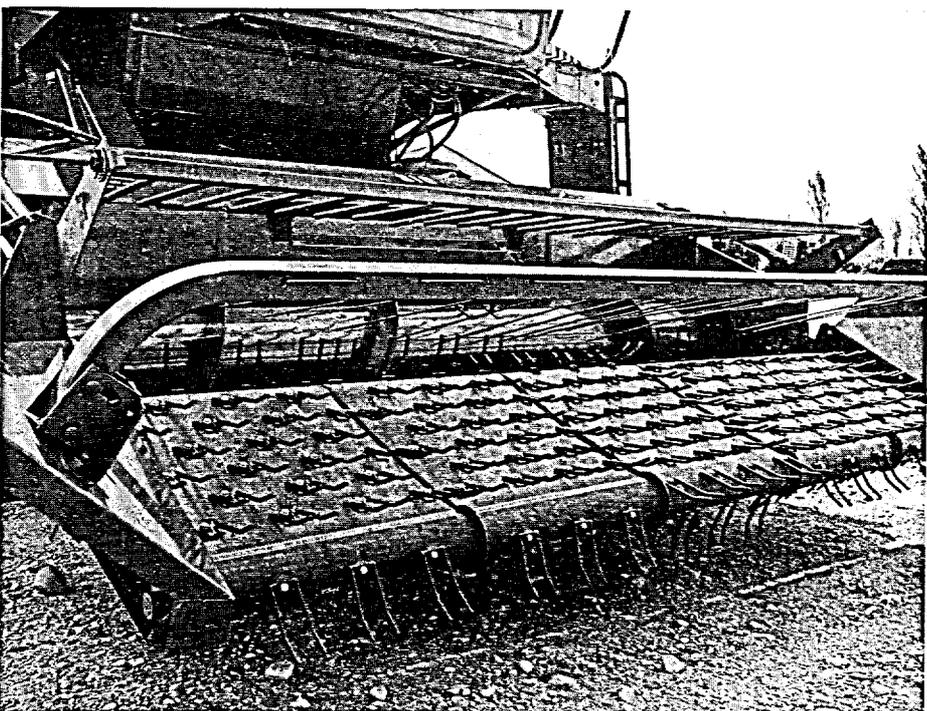


Agri-Canvas Inc.
P.O. Box 321, Fairlane Road
Listowel, Ontario
Canada N4W 3H3
Tel: (519) 291-3755 (416) 283-2941
Telex: 064-78585

Contact:
Mr. J.M. Verbeek
President

Agri-Canvas Inc. was established in 1977 when its president, J.M. Verbeek, applied for patents in Canada and the United States for a new process of die-electrically welding cleats to belting. Since the building of its modern plant in 1979, Agri-Canvas has grown into the largest agricultural conveyor-belt manufacturer in Canada, supplying both the original equipment manufacturer and the after market.

Agri-Canvas manufactures swather draper belts, combine pickup belts, round baler belts, bale throwing belts, forage wagon belts, belting for bean windrowers, vegetable and fruit harvesters. The firm's polyvinyl chloride coated belting is waterproof, shrink and stretch resistant, manufactured from unique polyester "Z" weave base fabric for greater tracking stability. The die-electrically welded cleats became an integral part of the belt for greater strength and wearability at the most economical prices.



1 Agri-Canvas manufactures swather draper belts for self-propelled and pull-type windrowers.

2 Combine pickup belts from Agri-Canvas are PVC-coated, waterproof and shrink and stretch-resistant.

Agro Plus Ltd.
P.O. Box 23
St. Germain
County Drummond, Quebec
Canada J0C 1K0
Tel: (819) 395-4254

Contact
Mr. Normand Julien

Agro Plus Farm Equipment Ltd. (legally constituted 1980), with a production line of some 15 employees, focuses its efforts on product quality and customer satisfaction.

For six years, the company's goal has continued to be to supply farmers with machines that save time and energy, such as SILO-CAR and BED-RITE. Sturdy construction and ease of operation ensure efficient and economical operation with a minimum of maintenance. This machinery saves time and allows controlled distribution.

SILO-CAR Automatic Feed Cart

- Anti-corrosive permashield plywood feed box, with 10-year warranty
- Unique front wheel steering and traction give 100 per cent traction at all times and provide maneuverability in confined areas
- Independent feeding system with apron and unloading screw
- All mechanical components located on the side of the unit with a swing outdoor compartment
- 13 in. pneumatic wheels all around.

DC powered: 4-6 volts deep cycle battery complete with charger; full variable speed standard

or

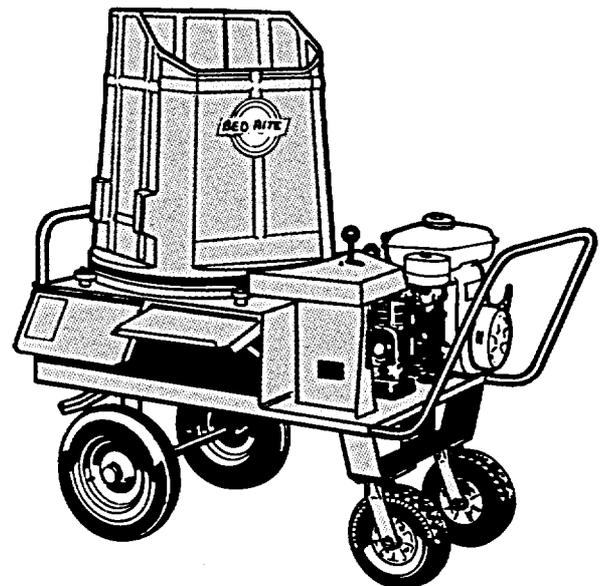
Gasoline powered: 7 H.P. gas engine; full variable speed standard.

BED-RITE

- Saves up to 30 per cent bedding
- Chopped bedding, facilitates uniform manure spreading
- Throws feeding up to 10 ft. away
- Used for corn, hay, canarie grass, etc.
- Convenient bale rack
- Adjustable deflector panels
- Combination of serrated and plain knives for maximum cutting performance
- Fully adjustable grate
- Four pneumatic wheels for maximum stability.



The SILO-CAR Automatic Feed Cart from Agro Plus offers an independent feeding system with apron and unloading screw.



The BED-RITE from Agro-Plus operates economically with minimum maintenance required.

Arnold Farm-Vet Ltd.
58 Dawson Road
Guelph, Ontario
Canada N1H 6P9
Tel: (519) 836-3330
Telex: 069-56588

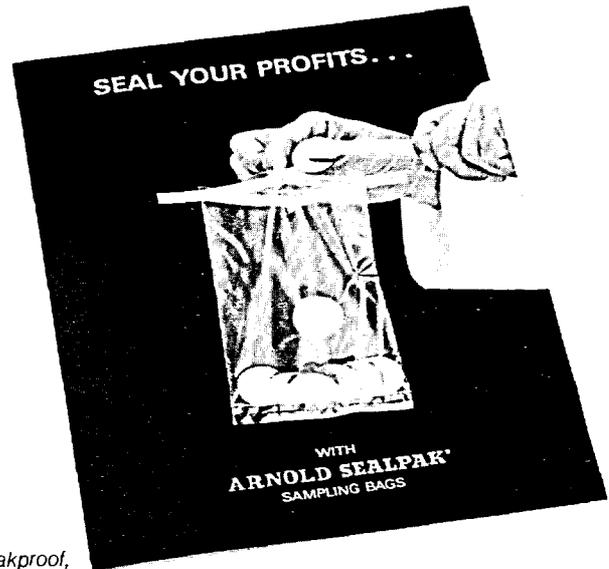
Contact:

Mr. Karl Banaszek
General Manager

Arnold Farm-Vet Ltd. is Canada's leading mail order headquarters for farm, veterinary, and sampling bag supplies. Livestock identification, show and grooming supplies, hog equipment, sheep equipment, breed promotion, dairy supplies, artificial insemination, and animal health are only some of the products shown in the company's two catalogues.

The company also has a manufacturing facility producing sealpak sampling bags used for the testing of milk, foods and other specimens. Typical sample containers have had many problems with leaks, breakage and ease of handling. The Arnold sealpak bags are manufactured through the use of a tubular polyethylene (no side welds) with a double plastic weld across the bottom. This method ensures that no leakage is possible. The bags are then sterilized by an ethylene oxide process which eliminates the need to have expensive sterilizing equipment.

Available in a variety of sizes, sealpak bags are easy to read, easy to store, easily labelled, disposable and above all, economical. All the products offered by Arnold Farm-Vet Ltd. are available from Norfolk Distributors in the United States. Norfolk Distributors is an integrated distribution company with offices in Seattle, Los Angeles, San Francisco, Denver and Chicago. For further information please contact: Norfolk Distributors, 6950 Aragon Circle, Unit 2, Buena Park, California, 90620 U.S.A. (714) 994-1100



Arnold's sealpak bags are leakproof, disposable and economical to use.



Various farm and veterinary supplies are available by mail order from Arnold Farm-Vet Ltd.

Association des Fabricants de
Matériel Agricole du Québec
(A.F.M.A.Q. Association of Agricultural
Equipment Manufacturers of Quebec)
6770 9th Avenue (Rosemont)
Montreal, Quebec
Canada H1Y 2K9
Tel: (514) 727-2117

A.F.M.A.Q. is an association of manufacturers of agricultural machinery, equipment and implements, offering quality, durability, security and high technology. Its members are recognized for their dedication, dependability and reliability.

A.F.M.A.Q. members offer a wide range of products for

- harvest and cereals
- dairy, beef, hog, and poultry farms
- maple products (maple syrup, etc.)
- barn equipment and implements
- tractor accessories and implements
- market gardening
- grain handling, processing and storage

Further information on the Association, its members and their products, is available from A.F.M.A.Q. on request.

B. & R. Choinière Ltée
P.O. Box 230
Ste-Thérèse, Quebec
Canada J7E 4J2
Tel: (514) 430-1022
Telex: 058-35573

Contact:

Mr. Luc Choinière
President

B. & R. Choinière Ltée, established in 1972, manufactures forage harvesting and transport equipment sold under the trade name DION. For over half a century, DION products have earned a reputation of excellence in sturdy, modern and high-tech farm equipment. DION products are all designed and manufactured according to these same standards of high quality. Backed by its wide experience in the agriculture industry, and diligent efforts to improve its products, B. & R. Choinière emphasizes research and engineering to conceive and manufacture farm equipment that will serve the modern agricultural producer efficiently and economically.

DION machinery is distinguishable through its many exclusive characteristics which, in addition to ensuring greater versatility, provide users with appreciable time savings. Compared to initial outlay, the low cost of maintenance of all DION products ensures a profitable investment for the progressive farmer.

DION 850 Forage Harvester

Width: 262 cm (103 in.)

Length: 457 cm (180 in.)

Height: 328 cm (129 in.)

Angle drive transmission:

540 or 1000 r/min. (purchaser's choice)

Capacity:

540 r/min. — 70 to 120 H.P.

1000 r/min. — 80 to 130 H.P.

Electrical Controls:

Transmission, Deflector,
Deflector end

Cylinder Cutter Head:

8 helicoidal knives, 48 cm
(18¾ in.) wide, 41 cm (16 in.)
diameter, speed: 800 r/min.

Tires:

12 x 15.8 ply on Timken tapered
roller bearings

Weight: 1406 kg (3,100 lbs.)

Standard Equipment:

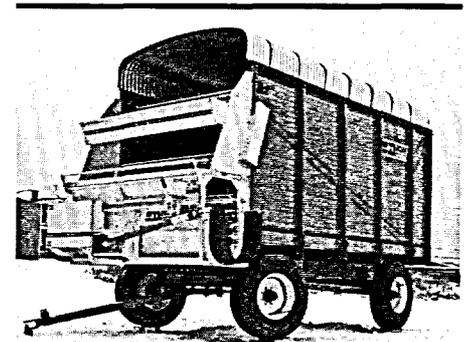
Hydraulic lift control, draw bar, box
beam pole, forward-neutral and
reverse transmission, cutting
edges of the cylinder knives with
tungsten carbide treatment, inte-
grated grinder, 13 and 17 tooth twin
sprockets for 4.76 and 6.35 cm
(3/16 in. and 1/4 in.) cut lengths.

Optional Equipment:

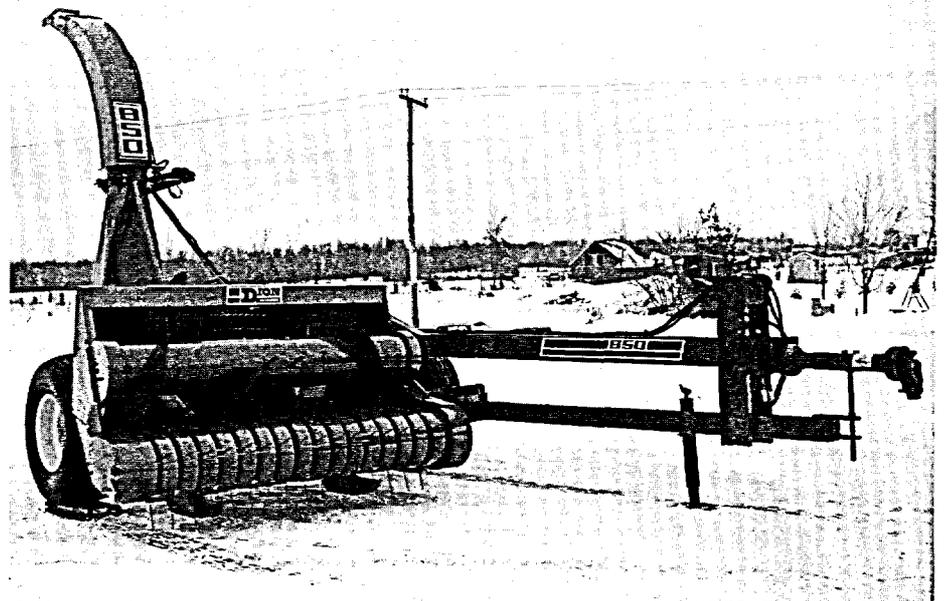
Sprocket wheel for lengths of cut:
26-tooth for 9.52 cm (3/8 in.), 34-
tooth for 12.7 cm (1/2 in.).

1 The Model 850 DION Forage Harvester from B. & R. Choinière is specially designed to operate with 70 to 120 H.P. farm tractors.

2 B. & R. Choinière's Self-Unloading Forage Box offers maximum security for the operator along with easy maintenance and low cost.



2



1

BCB Agricultural Equipment of Canada Limited

R.R. 1

Dunham, Quebec

Canada J0E 1M0

Tel: (514) 263-5323

Contact:

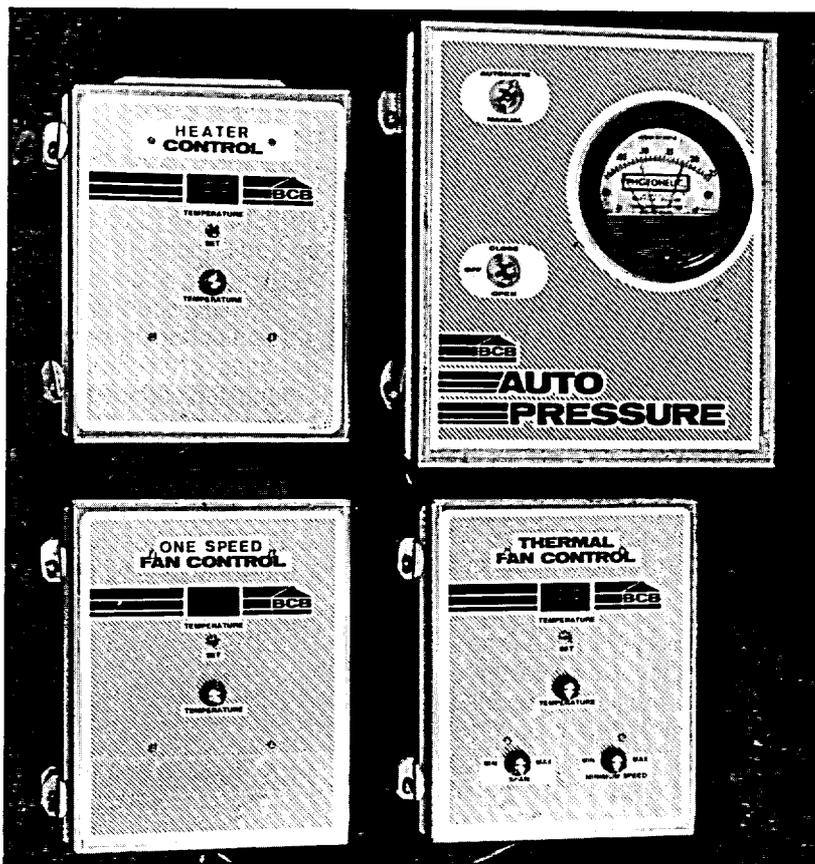
Mr. John Brown

BCB Agricultural Equipment of Canada Limited, incorporated in 1982, manufactures an extensive line of hog and poultry equipment including feeders, waterers and penning, with emphasis on complete ventilation systems and automated ventilation controls. The company's equipment is distributed throughout Canada and the United States. References can be supplied on request and a visit to any of BCB's locations can be arranged as needed.

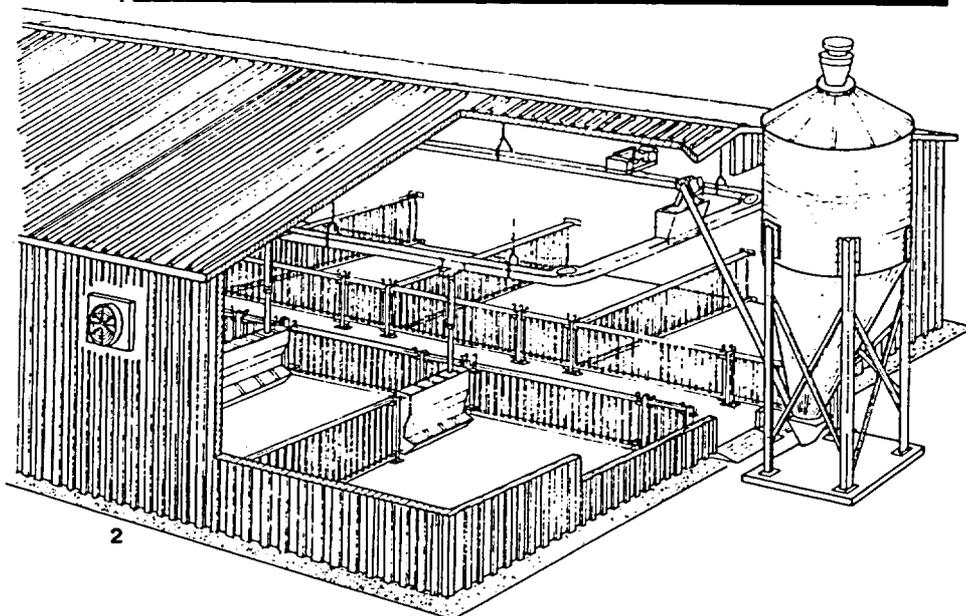
BCB's complete line of ventilation controls, which have been extremely well received, include thermal fan control with variable fan speed related to desired temperature settings; heater and one-speed control — 1 degree differential; and auto pressure, which automatically maintains proper static pressure.

The company's line of stainless steel fans, which have energy-efficient motors, boast of having the only shutter assembly with stainless steel frame and plastic louvers. The plastic louvers reduce loss of energy much more than do aluminum or steel.

BCB also manufactures a wet feed front, dry feeders, wet feeders (grower and finishing, nursery and pre-nursery), farrowing crates, gestation stalls, penning, piglet cages, pullet transports and poultry nests, poultry waterers, an automatic feeding system, and bin accessories.



1



2

1 BCB Agricultural Equipment produces a complete line of ventilation controls.

2 Stainless steel feeders from BCB reduce the problem of feed spillage to a minimum.

BRG Intercontinental Limited

358 Supertest Road

Downsview, Ontario

Canada M3J 2M2

Tel: (416) 661-4969

Telex: 06-23251

Contact:

Mr. Tim Runge
Director

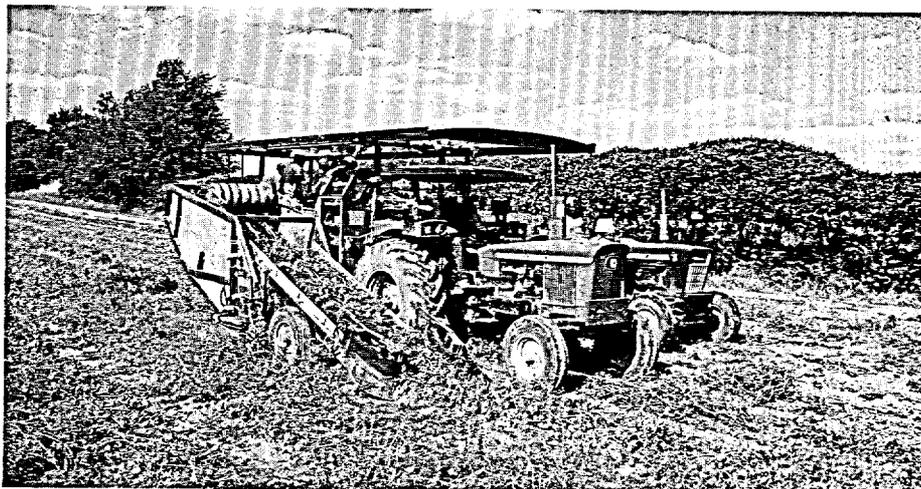
BRG Intercontinental, an agricultural equipment export trading company based in Downsview, Ontario, was officially incorporated in 1982. Since that time company representatives have travelled extensively through many regions of the world. The company is affiliated with A.D. Burford International Ltd., a well known Canadian trading company.

A complete back-up service including warehousing, communications, freight forwarding, export documentation, and expertise in all aspects of export financing exists to ensure a smooth transfer of goods from seller to buyer.

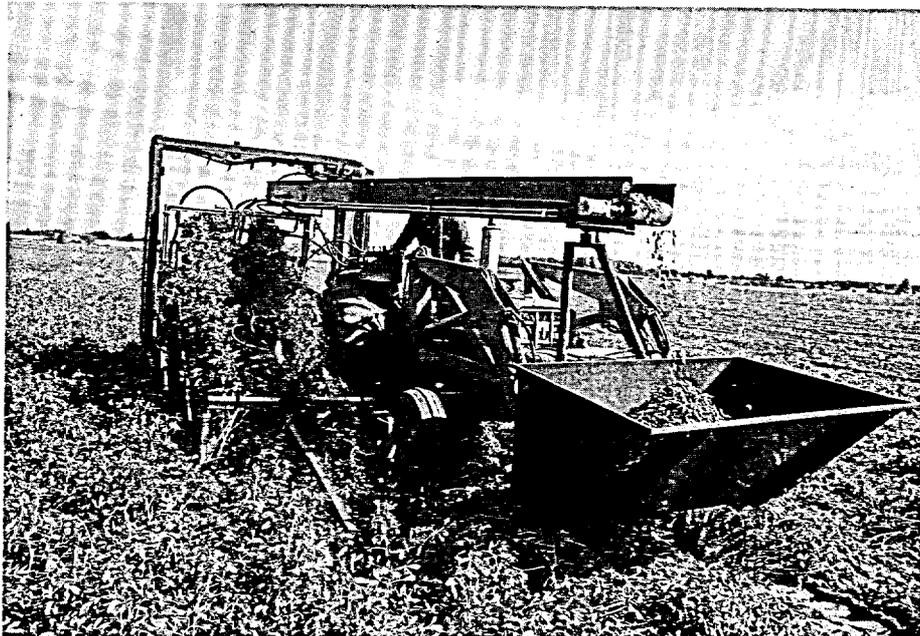
The company represents a wide variety of products. Its Virginia tobacco equipment for complete mechanization of harvesting and curing is the most sophisticated system available anywhere (De Cloet, Tillsonburg, Ontario). Its trouble-free and cost-effective tomato harvester, developed and perfected over the past 10 years, harvests an average of better than 13 tonnes per hour, depending on conditions. The firm's newly developed peanut harvester, like the tomato harvester which is side mounted to any small tractor of between 50 to 85 H.P., is a once-over combine which is suitable for those

conditions where the peanuts must be artificially dried (Tobac Curing Systems Ltd., Simcoe, Ontario). The line of poultry equipment is one of the most extensive manufactured under any one roof anywhere in the world and ranges from the most sophisticated egg collection systems to the simple cages for the

small farmer (Ford Dickison Industries, Brodhagen, Ontario). Other equipment includes cultivation equipment and a mechanical lift jack (J.C. Hallman Manufacturing Co. Ltd.) that has to be one of the most practical devices ever developed especially for the small unmechanized farmer.



1



2

1 BRG Intercontinental markets this tractor-mounted tomato harvester that is trouble-free and cost-effective in operation.

2 The two-row peanut harvester sold by BRG Intercontinental is especially suitable for conditions where peanuts must be artificially dried.

Baker Electronic Enterprises Inc.
9620 - 27th Avenue
Edmonton, Alberta
Canada T6N 1B2
Tel: (403) 450-4924

Contact:

Mr. R. Ian Playfair
Sales Manager

Baker Electronic Enterprises Inc. was incorporated in June 1986. The products to be manufactured were a continuation of those produced by Baker Engineering which had sales annually of approximately \$2 million. They consist of two types of sprayer monitors, a combine grain loss monitor and five models of electric fence energizers.

The company has exported to the United States and Australia in the past and, through distributors in both countries, will continue to sell its products in those areas.

The fence energizers are available in 120 volt and battery-powered units in total wattage output from 10,000-12,500 watts. These fencers are capable of energizing many miles of fence wire using no insulators on the fence.

Baker products are distributed in the US by H.G. Schneider of Hugo, Minnesota and by Vafac in Virginia. The Australian distributor is Spraying Systems PTY of Melbourne.

8150 Sprayer Monitor

The 8150 Sprayer Monitor is a reliable, easy-to-operate and cost effective way to match the way a field sprayer is operating. The bright 3-digit display

gives a constant readout of the gallons per acre, and two thumb-wheel switches allow the monitor to be used with a wide range of sprayers. This monitor traces its origins to the company's 7603 Sprayer Monitor, but now includes features that improve the accuracy of readings and allow both the turbine and Magnetic Flow Sensors to be used. A new speed sensor and magnet is used for easier installation and more reliable operation. The 8150 is a reliable method of checking the sprayer and improving the farmer's use of chemicals.

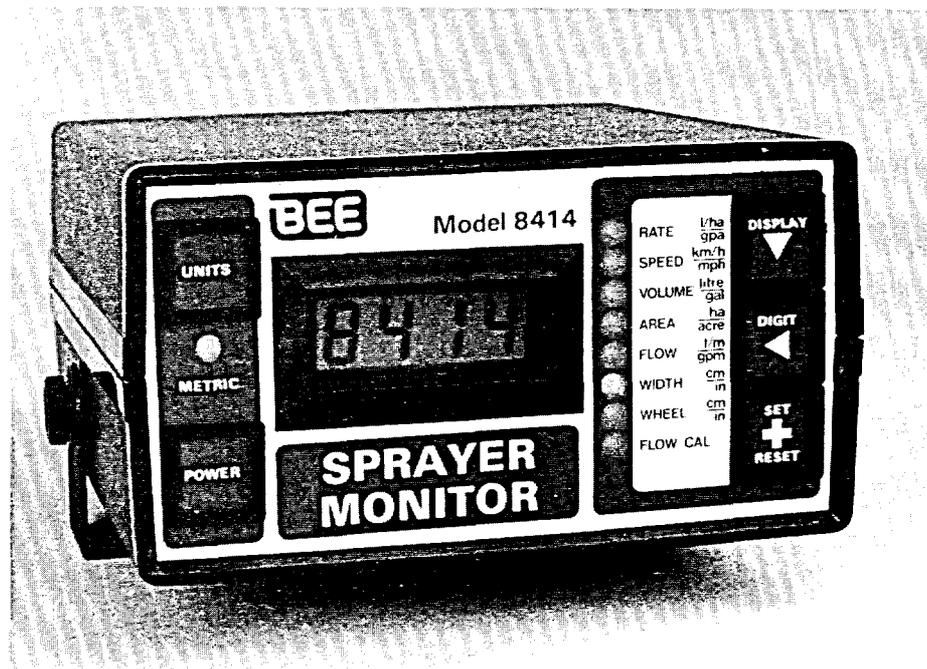
8414 Sprayer Monitor

The 8414 Sprayer Monitor allows its user to know the most about how a sprayer is operating. The 8414 uses a microprocessor to precisely measure

the speed and flow rate, and use these to display five functions in either Imperial or metric units:

- application rate (gal/ac, L/ha)
- speed (mph, km/h)
- volume applied (gal, L)
- area covered (acre, ha)
- flow rate (gal/min, L/min.)

Settings for the sprayer and flow sensors are easy to change and are automatically saved when the monitor is off. Like the 8150, both the Turbine and Magnetic Flow Sensors can be used with the 8414 Sprayer Monitor.



Baker Electronic's 8414 Sprayer Monitor uses a microprocessor to precisely measure and display the speed and flow rate.

Bari Crop Dusters
Rural Route #4
Aylmer, Ontario
Canada N5H 2R3
Tel: (519) 866-3439

Contact:

Mr. Louis Bari
Owner

Bari Crop Dusters began manufacturing crop dusters for tobacco and vegetables in 1952. The demand for crop dusters was virtually eliminated with the removal, from the market, of most chemicals such as D.D.T. in dust form.

In 1965, the company developed three tobacco harvester aids and used these on its own farm. Local response to the products was favourable and Bari undertook their manufacture for sale, by popular demand. The tobacco harvester aid is being used in Ontario, Quebec, Prince Edward Island and Nova Scotia.

Bari Crop Dusters is interested in establishing an international market for its product.

Tobacco Harvester Aid

The tobacco harvester aid travels between tobacco rows, carrying two persons. One picks the left, the other the right, placing the leaves in bags or baskets in front of them.

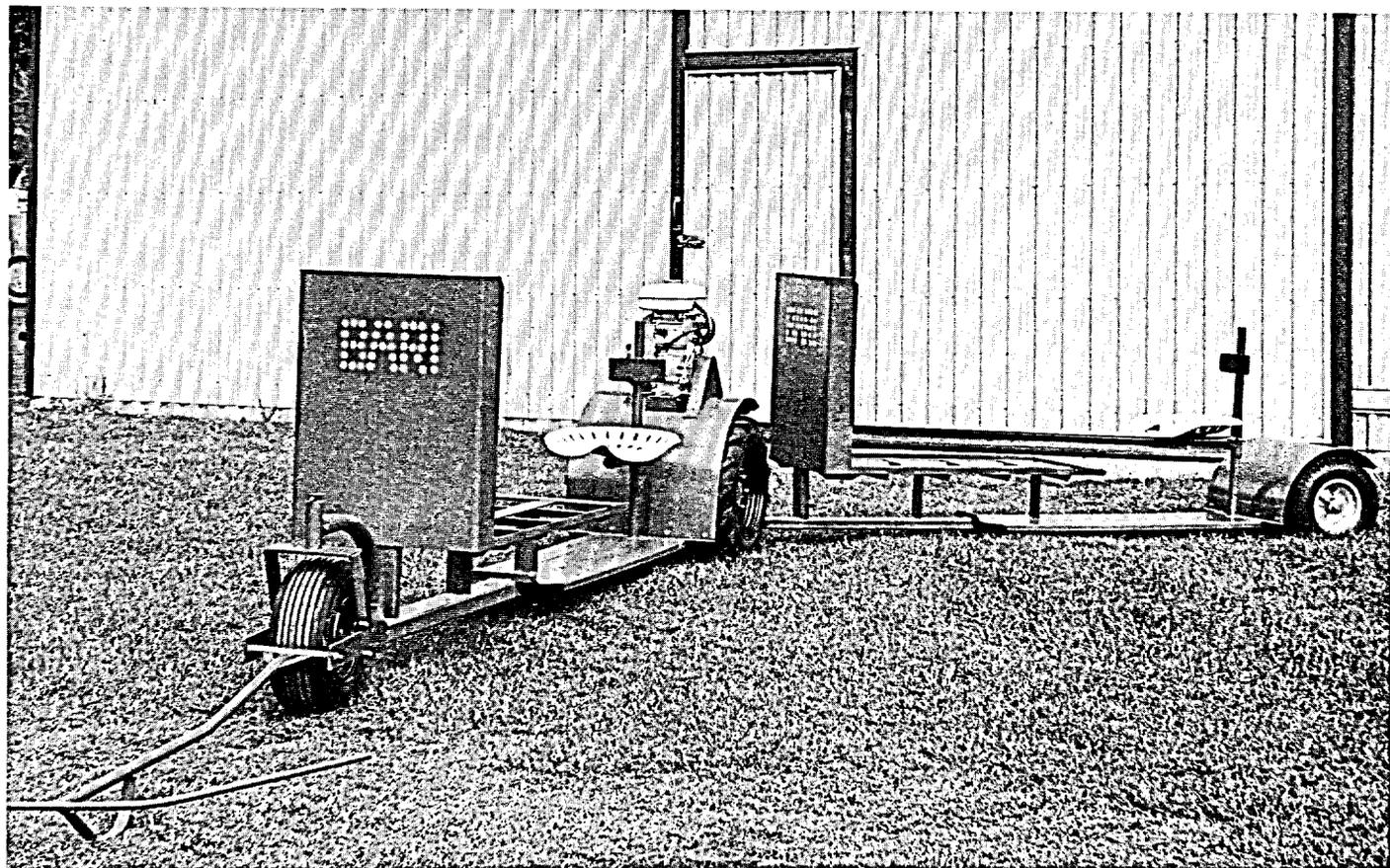
Power Unit

Width: 61 cm (24 in.)
Height: 112 cm (3 ft. 8 in.)
Length: 339 cm (9 ft. 6 in.)
Weight: 165 kg (362 lbs.)

Trailer

Width: 57 cm (22 in.)
Height: 1 m (39 in.)
Length: 284 cm (9 ft. 4 in.)
Weight: 70 kg (154 lbs.)
Power: 5 H.P. engine

Bari Crop Dusters produces the tobacco harvester aid that is currently in use in Ontario, Quebec, Prince Edward Island and Nova Scotia.



Behlen Industries Limited
P.O. Box 1120
Brandon, Manitoba
Canada R7A 6A4
Tel: (204) 728-1188

Contact:

Mr. R. Birdsell
Sales Manager

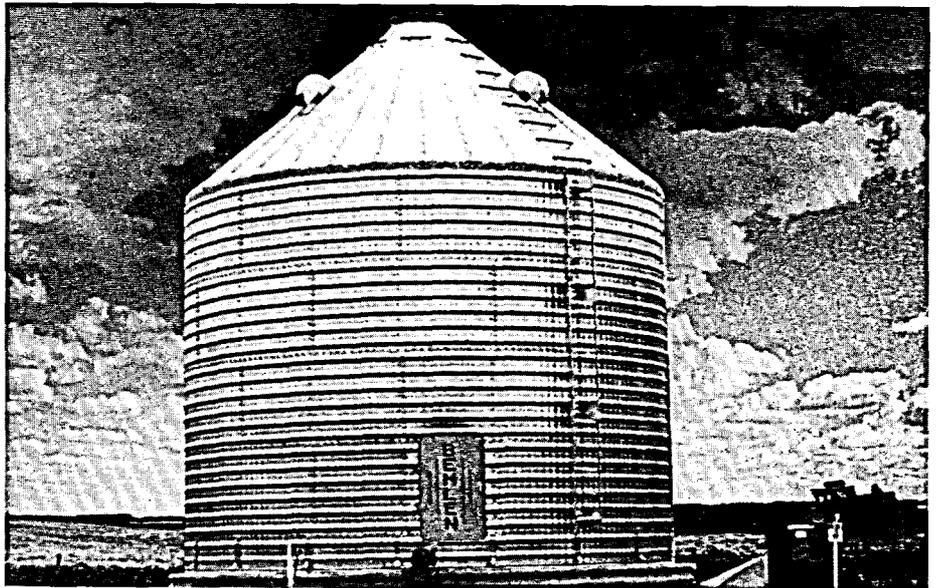
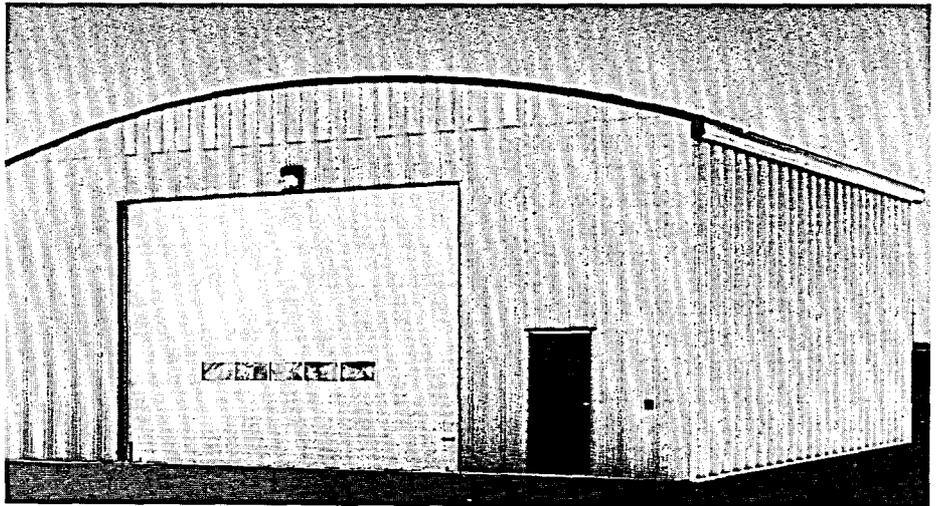
Behlen Industries Limited. (formerly Behlen-Wickes Co. Ltd.) operation in Brandon, Manitoba was formally opened in 1970 by the Wickes Corporation (a United States based company). The plant was established initially to service the Canadian prairie farm market for grain storage systems and farm buildings.

Growth during the first ten years was exceptional and resulted in three major expansions during that period. The three major product lines consist of grain storage systems, steel farm buildings and steel commercial-industrial buildings. All the buildings are a unique stressed-skin design and are manufactured of galvanized steel.

In September of 1984, the Wickes Corporation sold the Brandon operation to the existing management group. At this time the company was re-named Behlen Industries Limited.

Early in 1985, culvert and well cribbing was added to the product line and in October 1985, the company acquired a polyethylene pipe operation in Souris, Manitoba, which is operating as a division of Behlen Industries Limited.

Behlen products are marketed through a network of independent dealers in Canada and the north-central United States. The sales force includes four regional managers, three in Canada and one in the U.S.



Standard products include:

- Pre-engineered steel building systems for agriculture, commercial and industrial and recreational application.
- Grain tanks including aeration and unload equipment for on-farm and commercial application.
- Rivetted culvert and well cribbing.
- Polyethylene pipe and tubing.

1 The Behlen FARMVEX is engineered for fast assembly and high energy efficiency.

2 Grain storage bins from Behlen provide efficient storage and handling, along with durability.

Beline Manufacturing Co. Ltd.
P.O. Box 1840
1025 - 9th Avenue West
Kindersley, Saskatchewan
Canada S0L 1S0
Tel: (306) 463-6491 Telex: 074-2651

Contact:

Mr. W.J. Bourne
President

Beline Manufacturing Company Ltd. was incorporated in 1962. Evolving slowly in its earlier years, the company added to its product line until the development of a revolutionary application for granular chemicals. Following the immediate acceptance of the product in the market place, Beline phased out most of its other products to specialize in applicator technology and manufacture. A wholly owned subsidiary of the parent company, formed a few years later to handle marketing in the United States, has three warehouses there maintaining product stock proximity to markets.

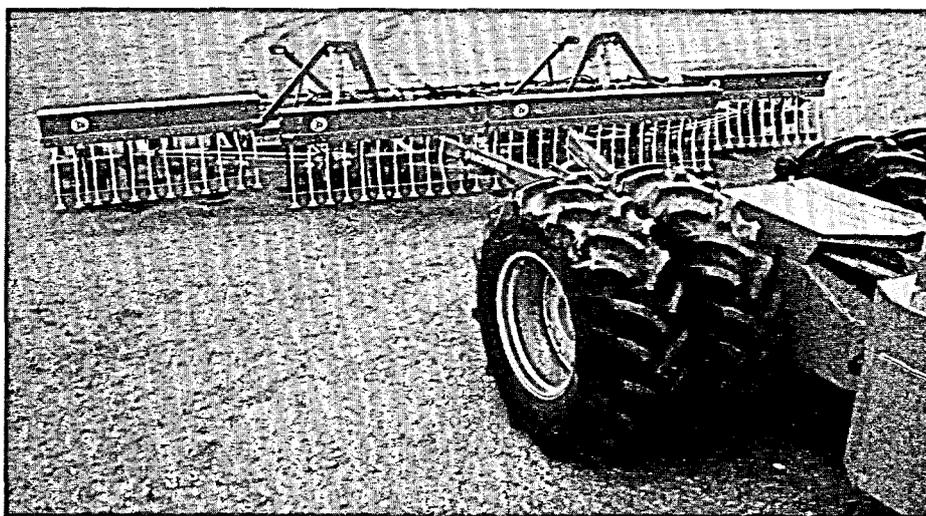
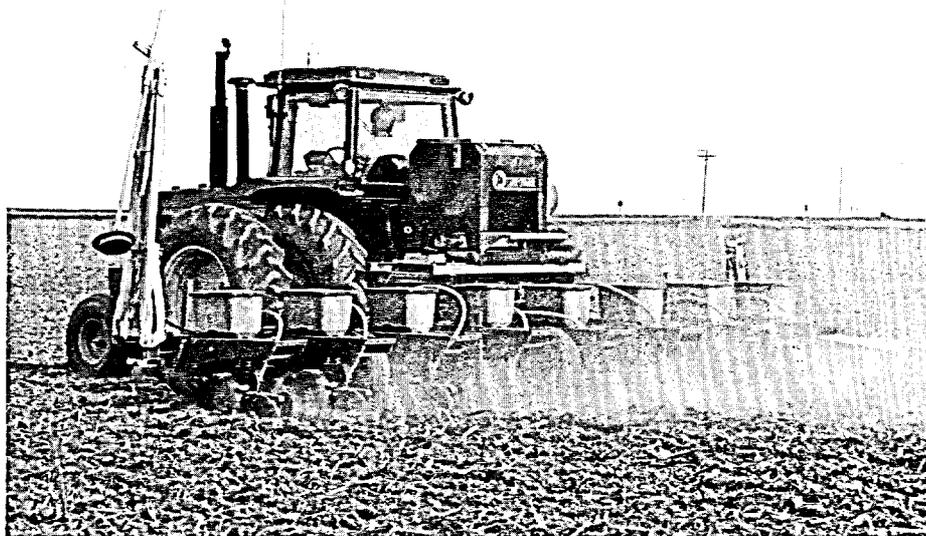
The company produces a wide range of applicators for insecticides, herbicides, granular fertilizers and grains up to the size of wheat and barley. They are manufactured in sizes from one single row for animal drawn planters, to large units 25 m (82 ft.) wide with computerized tractor mounted controllers.

Most units are electronically regulated by a controller in the tractor to provide extremely accurate application. The pneumatic units will apply two granules simultaneously: two herbicides; one insecticide and one herbicide; one grain and fertilizer; etc. Most mount onto existing equipment; planters, seeders, soil conditioners, or others.

All units carry a 2-year warranty.

Pneumatic Applicator

- Applies microgranules and/or fertilizer, seeds up to the size of wheat and barley. The unit will simultaneously apply two chemicals, or one seed and one chemical, or seed and fertilizer, etc. at different rates.



- Application rates are variable from 2 kg/Ha (1.8 lbs/acre) microgranules, to 130 kg/Ha (116 lbs/acre) of fertilizer.
- Variable "on the go".
- Sizes: 3m to 28 m (9.8 to 91.8 ft.)
- Ground drive metering system, electronic, electronic with ground speed compensation, fully computerized metering controllers available.

1 Beline Manufacturing's pneumatic applicator applies microgranules and/or fertilizer seeds up to the size of wheat and barley.

2 The gravity type applicator from Beline offers accuracy, reliability and a two-year warranty.

Ber-Vac Inc.
2835, chemin de l'aéroport
Thetford-Mines, Québec
Canada G6G 5R7
Tel: (418) 338-6153
Telex: 058-33597

Contact

Mr. E.V. Paskewitz
Director general

Ber-Vac was founded in 1958 and since 1964 has specialized in the manufacture of snow removal equipment and farm implements. The company has proved to be an innovative and dependable supplier to many of the world's largest tractor companies, as well as to 20 Ber-Vac distributors throughout the world.

Ber-Vac's products consist of snow-blowers, front or rear mount, in widths of 91 cm (36 in.) to 2.74 m (9 ft.) and "S" tine field cultivators from 3.05 m (10 ft.) to 19.29 m (63 ft. 4 in.). The models for 10 to 30 H.P. are mostly specifically tailored to tractors for original equipment manufacturers, lawn and garden manufacturers and compact diesel manufacturers.

Special cultivator features are protected by patents. Snow-blower quick hitch has "patent applied for".

Snow-blowers

Width:

91 cm (30 in.) to 19.29 m (9 ft.)

Power:

Mounted on tractors from 10 to 150 H.P., front or rear

Used by:

Home-owners, farmers, contractors, municipalities, airports, and highway departments.

Cultivators

Heavy duty "S" tine pull type:

3.05 m (10 ft.) to 19.29 m (63 ft. 4 in.)

Precision row crop:

4 row to 12 row rigid

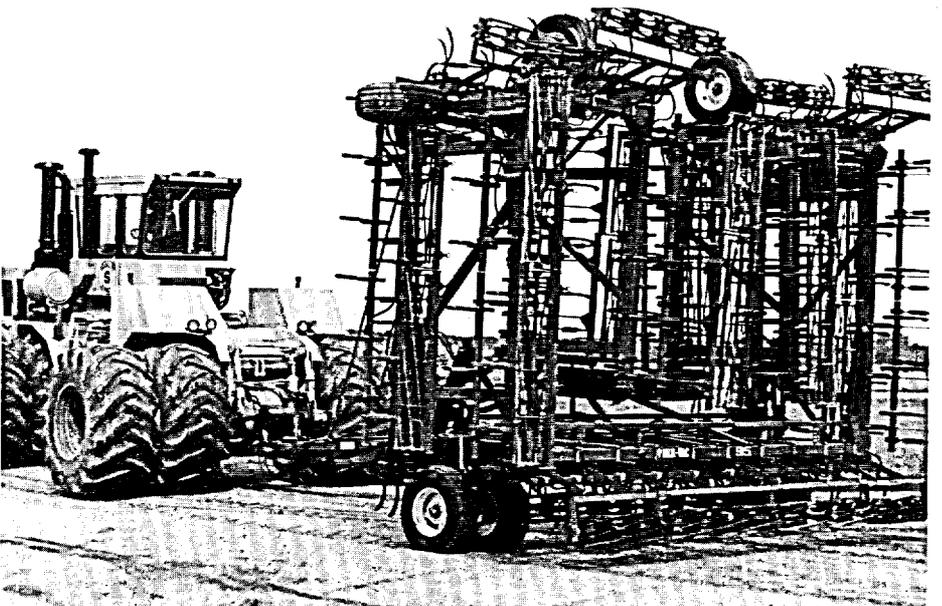
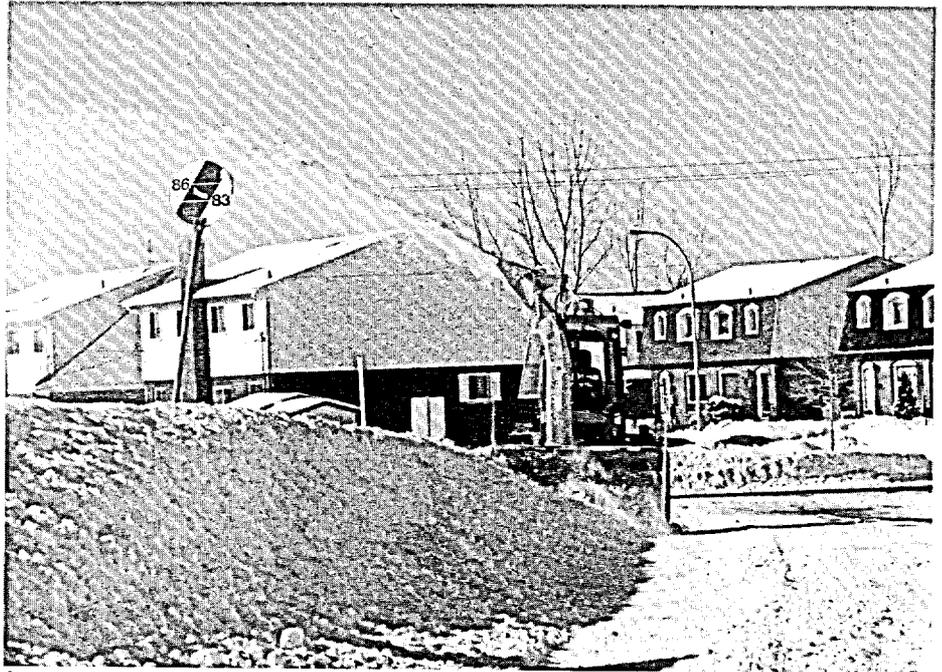
8 row to 12 row flat fold

Universal rolling harrows:

50.8 cm (20 in.)

101.6 cm (40 in.)

1.5 m (60 in.)



1 Ber-Vac Inc. produces the Model 1750 industrial snow-blower with truck loading chute.

2 The "S" tine pull-type cultivators from Ber-Vac Inc. range from 3.05 m (10 ft.) to this 19.29 m (63.3 ft.) wide model.

Berglund Industrial Supply Co. Limited
600 Norah Crescent
P.O. Box 907
Thunder Bay, Ontario
Canada P7C 4X7
Tel: (807) 623-5551 Telex: 073-4532

Contact:

Mr. Norman P. Berglund
President

Berglund Industrial Supply Company (BISCO) began on January 16, 1969, when Norman Berglund delivered his first order to United Grain Growers. At that time, the company employed three people on a \$31,000 payroll.

Today, Berglund Industrial Supply Co. Limited and its manufacturing subsidiary, Thunder Bay Northland Machinery Incorporated, employ 90 people, with full service branch offices in Dryden, Calgary, Vancouver, and a sales representative in Sault Ste. Marie. Given the capabilities of Berglund's manufacturing subsidiary, the company knows it can stand behind the quality of every one of its products.

The new Northland plant offers the Canadian grain industry a full range of services, including the manufacture and installation of grain cleaning equipment, the design of pellet mill plants, the installation of pellet mill equipment, the manufacture of buckets for elevator legs and the installation of screw conveyors, as well as general mechanical services.

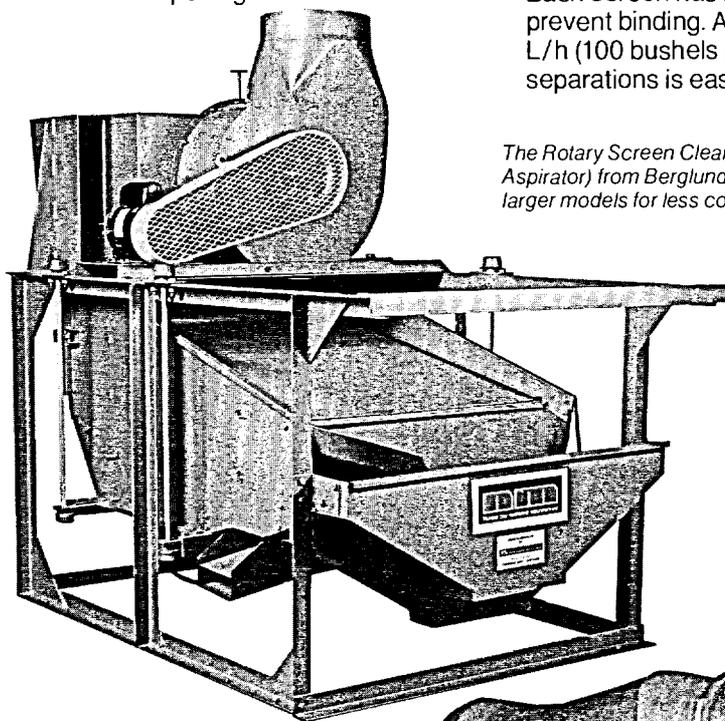
Thunder Bay Northland Machinery also services the pulp and paper industries, through custom sheel metal work and a wide range of millwrighting and maintenance services. The future endeavors of Berglund Industrial Supply Co. Limited will include: giving the highest priority to client needs; placing emphasis on good corporate citizenship; taking pride in the selection and support of BISCO personnel; providing leadership in the grain handling industry; seeking diversification into the pulp, paper and mining industries; and pursuing expansion into Asian and European markets.

- B32 x 42 Rotary Screen Cleaner (c/w BFA-1 Aspirator)

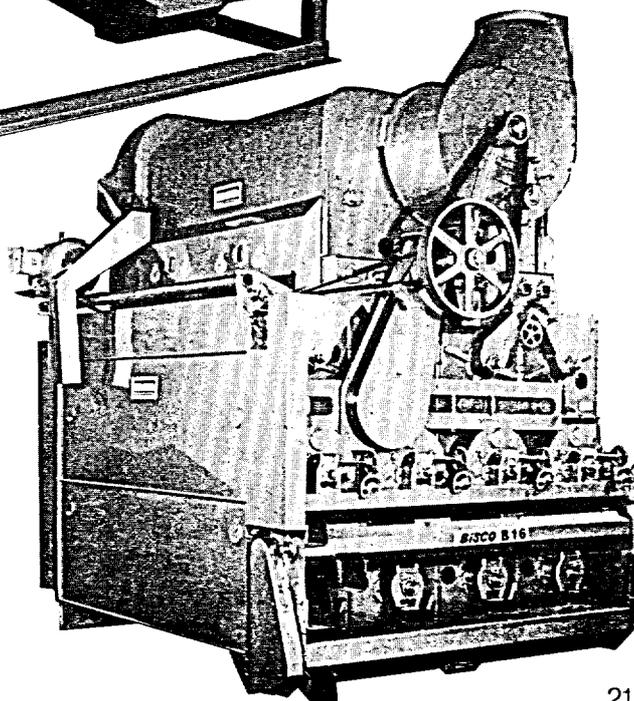
Grain is fed into the Aspirator for the removal of light dust, chaff, and small seeds. The liftings are then blown out of the fan opening into the dust

house or cyclone at which time the material falls to the Rotary Screen machine.

The Berglund Rotary Screen Cleaner consists of two screen sections. Each screen has rubber balls to prevent binding. A capacity of 3,637 L/h (100 bushels per hour) with 3 separations is easily obtainable.



The Rotary Screen Cleaner (c/w BFA-1 Aspirator) from Berglund offers the capabilities of larger models for less cost.



The total enclosure design of Berglund's B16 Separator provides a dust-free operation.

Bonar Plastics Western Ltd.

401 Chrislind Street
Winnipeg, Manitoba
Canada R3W 1A2
Tel: (204) 222-2755
Telex: 07-57321

Contact:

Mr. Ken McKenzie
Vice President

Bonar Plastics has, over the past 30 years, established itself as one of Canada's leading manufacturers of rotationally molded parts and components. In Winnipeg, Manitoba its 38,000 sq. ft. plant houses the most advanced and largest rotational molding equipment in Canada. The Bonar family of companies, have the resources, technology and capabilities to serve the agricultural equipment market.

Bonar Plastics Western manufactures a complete line of polyethylene grain handling accessories such as grain hoppers, flexible discharge spouts, and drill fill downspouts.

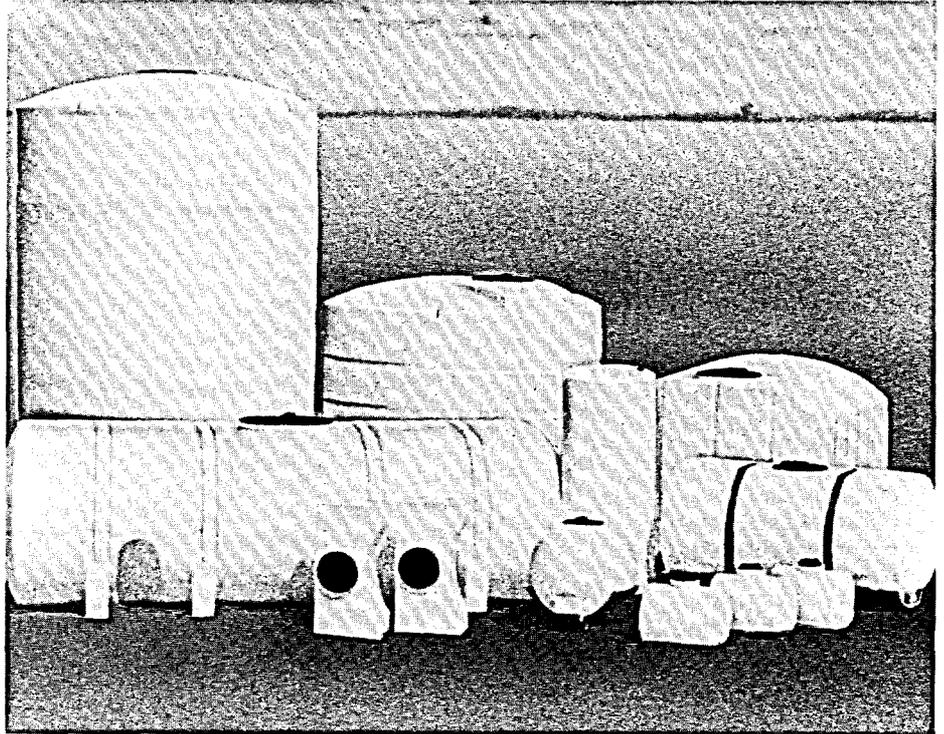
The polyethylene tank line ranges in size from 45.5 - 22,730 L (10 - 5,000 Imp. gallons) and includes storage, nurse and applicator tanks. The livestock line includes a complete range of hog feeders, pails and water troughs. All products are manufactured from rugged polyethylene.

Vertical Cylindrical Agricultural Tanks

This leading design is manufactured by rotational molding process which forms a seamless, one-piece tank. These tanks are ideal for farm storage and central pivot irrigation systems.

1 Bonar produces polyethylene tanks for every agricultural need — storage, nurse or applicator.

2 Polyethylene grain hoppers from Bonar come in sizes and styles to suit all grain-handling requirements.



1

Features

- corrosion and chemical resistant
- rugged impact resistant polyethylene
- outstanding resistance against deterioration from ultra-violet light
- large screw-on lid with vent
- calibrated in Imp. gal., litres, and U.S. gal.
- weldable polyethylene

Accessories

- standard 5.08 cm (2 in.) stainless steel fitting
- large tie down lugs
- siphon tube to ensure complete drain of the tank



2

Brandt Industries Ltd.
705 Toronto Street
Regina, Saskatchewan
Canada S4R 8G1
Tel: (306) 525-1314

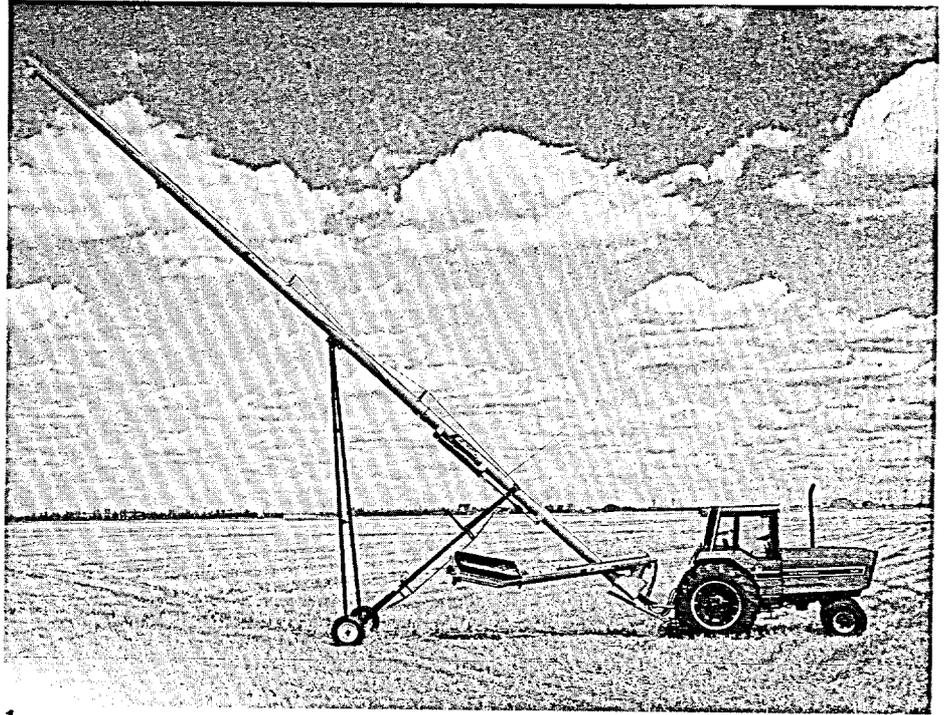
Contact:

Mr. Peter Dittman
Vice President Marketing

Brandt Industries Ltd., Canada's oldest auger manufacturer, has been making grain augers since 1942. In the past 10 years the company has developed and expanded its product lines to include: swing-away augers, utility augers, field sprayers, and 3-point hitch sprayers. Brandt manufactures its complete product line in its plant in Regina and distributes it for sale across Canada and the United States.

Brandt Field Sprayer

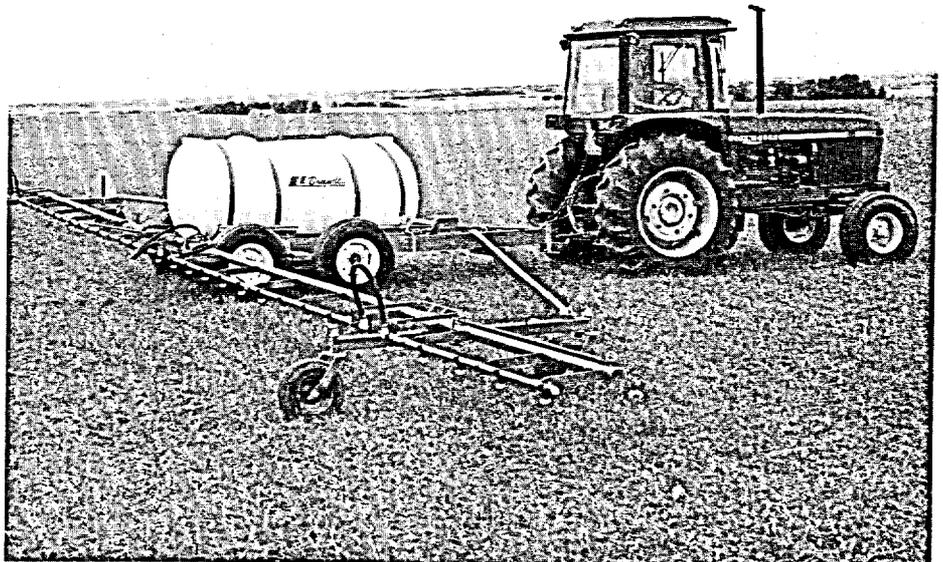
The Brandt Field Sprayer comes in three tank sizes, 1900 L, 2800 L, or 3800 L (420, 620, or 830 Imperial gallons/500, 750 or 1000 US gallons). The booms supply coverage of 18.3 metres (60 ft.) or, with extensions, 26.2 m (86 ft). The boom height is adjustable, either manually or hydraulically, from 280 to 860 mm (11-34 in.); with the nozzle angle remaining constant. The sprayer comes with either manual or electronic controls. Brandt's Field Sprayer design promotes effective weed control and cost efficient spraying.



1

1 The Brandt Swing-Away Auger, when hooked to a tractor, can be operated with finger-tip control.

2 Design of the Brandt Field Sprayer promotes effective weed control and cost-efficient spraying.



2

Canadian Tool & Die Ltd.
1331 Chevrier Boulevard
Winnipeg, Manitoba
Canada R3T 1Y4
Tel: (204) 453-6833
Telex: 07-587786

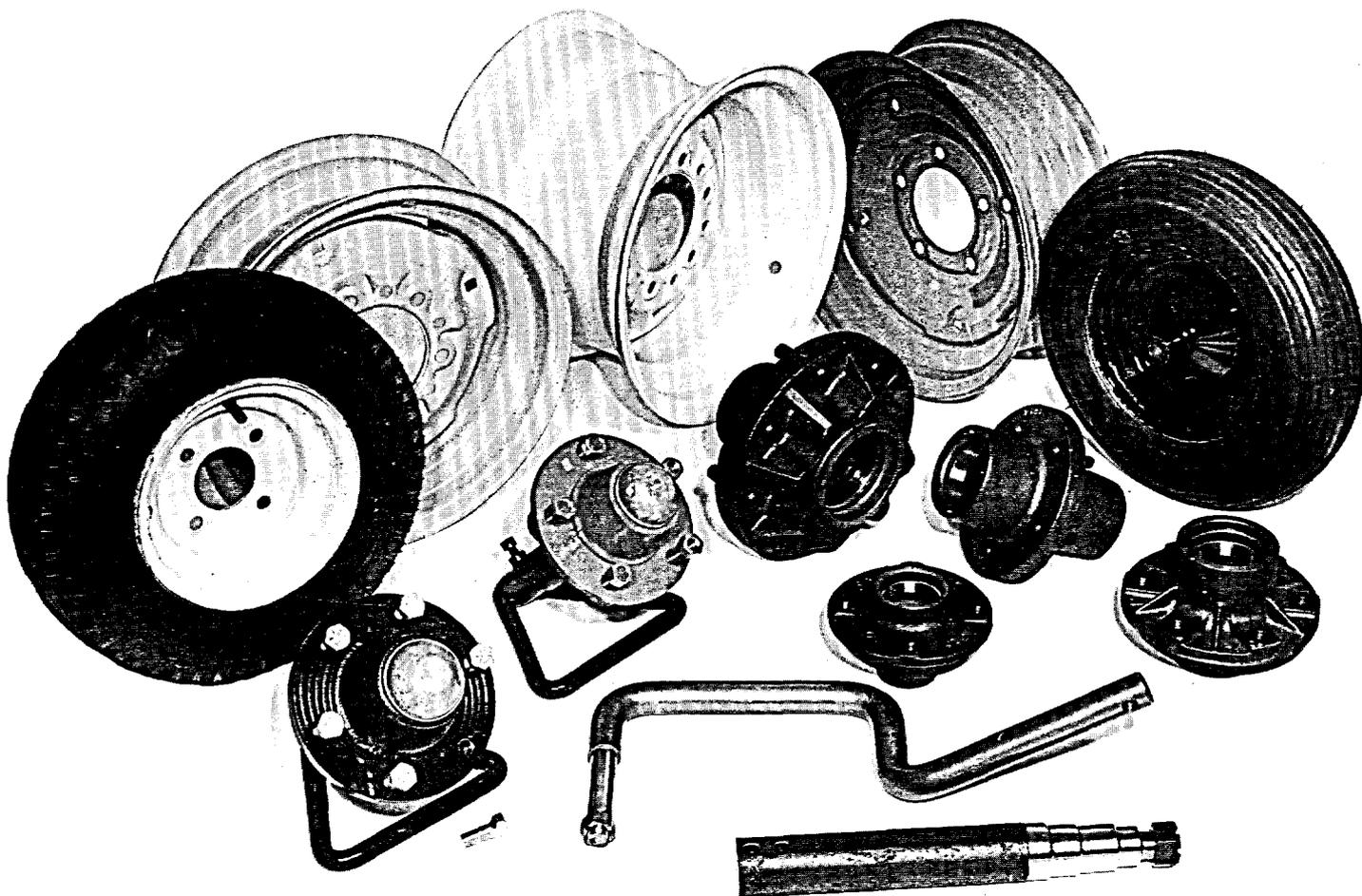
Contact:
Mr. Pat McManus
Sales Manager

Canadian Tool & Die Ltd., was formed in 1947 to design and manufacture tools and dies. Gradual development took place into welded hydraulic cylinders, hubs, spindles and wheels for agriculture and industrial equipment.

Current production equipment consists of two automated rim rolling lines, two automated wheel centre disk forming lines, CNC's (computer numerically controlled) and tracer lathes, press capacity up to 2,300 tonnes (2,500 tons) hydraulic cylinder testing laboratory and modern tool and die design and manufacturing facility.

Hub capacities range from 400 kg to 10,000 kg; wheels from 300 to 2,400 kg; capacity and hydraulic cylinders up to 2,300 kPa (5,000 PSI).

With a CAD-CAM installation, Canadian Tool and Die can offer its expertise and technology in the design and production of custom-built equipment.



Wheels, hubs and spindles for agricultural equipment are produced by Canadian Tool & Die Ltd.

Central Canadian Structures Ltd.
2245 McGillivray Boulevard
P.O. Box 130
Fort Whyte, Manitoba
Canada R0G 0R0
Tel: (204) 895-1200 Telex: 07-57148

Contact:

Mr. H.J. Giesbrecht
President

Central Canadian Structures Ltd. is a Canadian company with construction, manufacturing and engineering expertise. The company was incorporated in 1967 in Winnipeg, Manitoba and has offices serving Saskatchewan and Alberta also.

Central Canadian Structures Ltd. provides engineering and construction

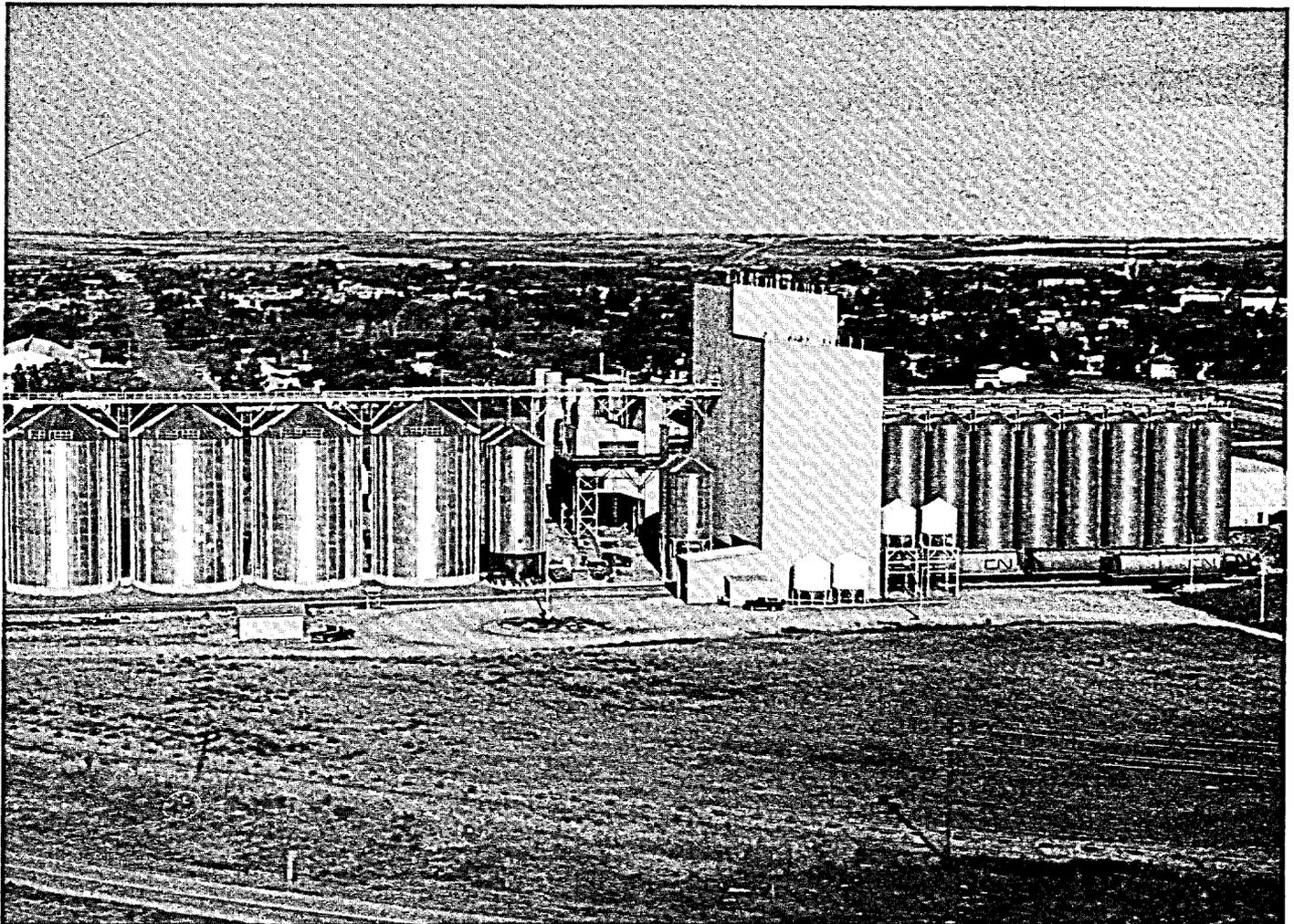
services related to the planning, design, tendering, procurement, supply and installation supervision of material handling, storage and processing systems for grain, feed, fertilizer, and other dry industries.

In providing these services, Central Canadian Structures Ltd. will:

- determine plans of operation,
- set standards and performance criteria,
- provide complete design details,

- assist in tendering and contracting process,
- manufacture structural components,
- supply and install complete system,
- provide on the job training.

Central Canadian Structures Ltd. provides the expertise for a barley storage and handling facility such as this.



Cereal Implements

P.O. Box 3200,

1000 - 6th Avenue, N.E.

Portage La Prairie, Manitoba

Canada R1N 3R3

Tel: (204) 239-5544 FAX (204) 857-5028

Contact:

Mr. Vic Kuffner
President

The Cereal Implements division of Vicon Inc. was formed in February 1985. Vicon purchased the manufacturing rights and engineering designs to the former Co-op Implements seeding, tillage and harvest products. These products are now engineered and manufactured by Cereal Implements in Portage la Prairie, Manitoba.

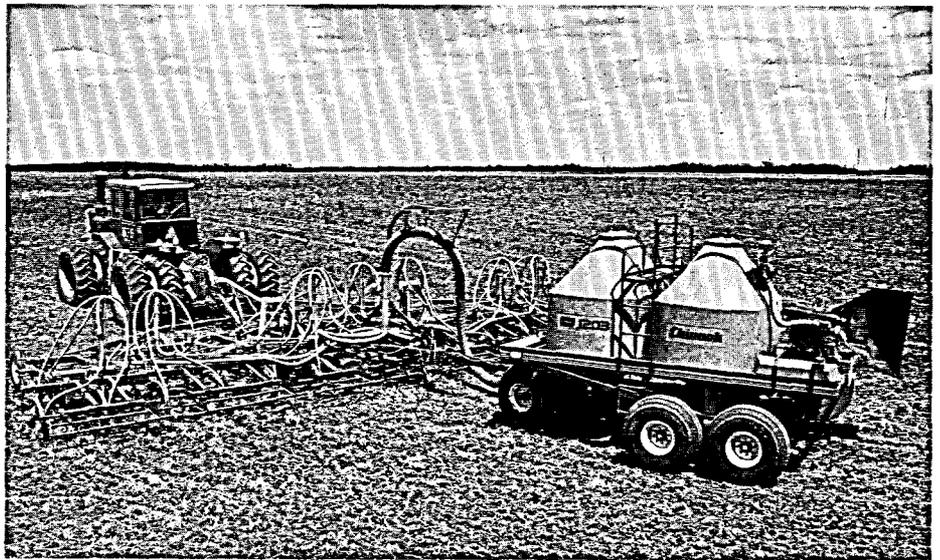
Cereal Implements products are sold directly to over 50 dealers in Western Canada. Product support is provided by parts supply, sales and service personnel in Portage la Prairie. The company plans to market its products in a similar manner in the United States.

Cereal Implements products are dedicated primarily to the production of small cereal grains. Chisel plows and field cultivators are rugged, reliable and price competitive. Widths of 3350 mm (11 ft.) to 12500 mm (41 ft.) are available with optional ground tools and mounted tine harrows. The air seeders are easily adapted to the tillage equipment. The model 1150 is very economical for smaller equipment and smaller farmers. The model 1203 offers high capacity and electronic meter rate control from the tractor. A variety of distribution systems are available. The self-propelled swathers are built for performance with diesel engine, hydro-

static drive and comfortable air conditioned cab. Header widths of 5500 mm (18 ft.) to 12800 mm (42 ft.) are available. Other Cereal Implements products include round balers, trail sprayers and diskers. This product line fits well with the equipment dealers which have a major tractor and combine franchise.

1 Cereal Implements manufactures the Model 1203 Chinook Air Seeder that features a trail-behind design with large-capacity tanks.

2 The Model 722 SP Swather from Cereal Implements has a completely hydraulic-driven header and ground drives.



Chapman's Grain Equipment Ltd.
545 Grand Avenue E.
Chatham, Ontario
Canada N7L 3Z2
Tel: (519) 352-0100

Contact:

Mr. Don S. Chapman,
President

Chapman's Grain Equipment Ltd. is a Canadian company engaged in the engineering, manufacturing and construction of grain facilities.

In approximately 1960 Mr. Stanley Chapman, then in the farm machinery business known as Chapman's Farm Equipment Ltd. began selling and installing grain systems on local farms in southern Ontario.

The business developed and, in 1969, his son Don joined the company after obtaining an engineering degree. The company then turned to the design and installation of commercial grain systems as well and sales climbed rapidly. In 1975 a manufacturing company was set up to fabricate much of the equipment used in grain handling. This proved to be a valuable asset since so much of a grain system consists of custom fabricated items.

In spring 1980 the two companies merged — and became Chapman's Grain Equipment Ltd. In addition, a new company — Grain Systems International Ltd. — was set up as an agent to handle offshore sales and contracts.

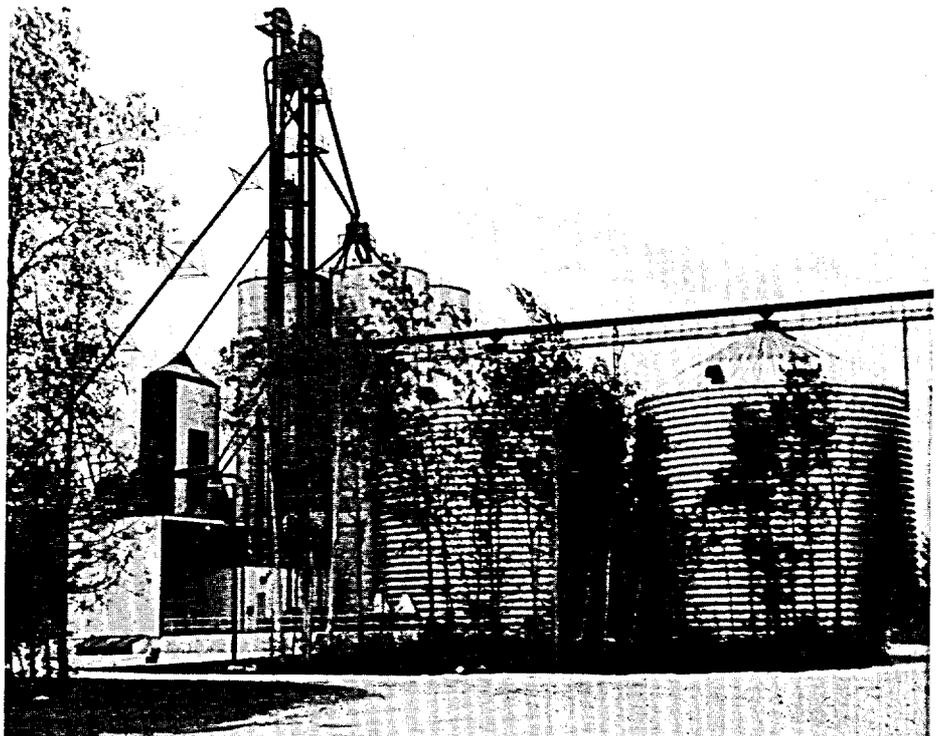
Today they manufacture grain equipment for sale to dealers and design and construct all types of grain systems for renovations only to complete turnkey grain elevator projects.

Since 1979 they have completed projects at marine terminal elevators in Ontario, their first of this type and an indicator of their future.

Chapman's services consist of feasibility studies through project design and construction of grain complexes. From their initial studies and concept drawings are created a complete design package including foundations, structures, equipment and electrics.

As a rule, in Canada, they contract on a turnkey basis a grain complex, but for offshore projects it is more usual for the company to supervise local foundation, steel erection and equipment installation with only a nucleus of their skilled personnel on site.

Products involved in a grain complex are prefabricated steel grain tanks and buildings; grain aeration equipment; grain dryers; grain conveyors of the screw, belt or drag type; grain elevator legs; grain distributors, valves and spouts; grain cleaners; grain scales; and many other related items.



One of Chapman's Grain Equipment's major construction projects — the grain elevator built in 1981 for Collwest Grain Products Ltd. in Collingwood, Ontario.

Degelman Industries Ltd.

P.O. Box 830

272 Industrial Drive

Regina, Saskatchewan

Canada S4P 3B1

Tel: (306) 543-4447 Telex: 071-2747

Contact:

Mr. Jack Degelman
Sales Manager

Degelman Industries Ltd. was founded by President W.J. Degelman in 1965 and is a privately held 100 per cent Canadian-owned operation. A separately owned but affiliated distribution outlet is located in Minot, North Dakota and is known as Degelman Industries, Inc.

Products manufactured are dozer blades for wheel tractors, rock pickers, rock rakes, chisel plows, field cultivators, and mounted harrows for tillage equipment. Dozer blades for John Deere wheel tractors sold throughout North America are manufactured in the company's plant under contract with John Deere. Components such as hubs, spindles, hydraulic cylinders and other machined parts products are distributed throughout North America. Degelman has its own dealer outlets in Saskatchewan, Manitoba, and Alberta, which are handled through the Regina office, but in all other areas throughout Canada and the United States its products are sold through a network of distributors. Goods are also exported to Australia, Chile and the Middle East.

The total facility employs approximately 120 people, of whom 80 are employed in the production end, but which are increased from time to time when required to increase production. The firm is widely known throughout the farming industry for its quality product, its rugged design and excellent after-market service facilities.

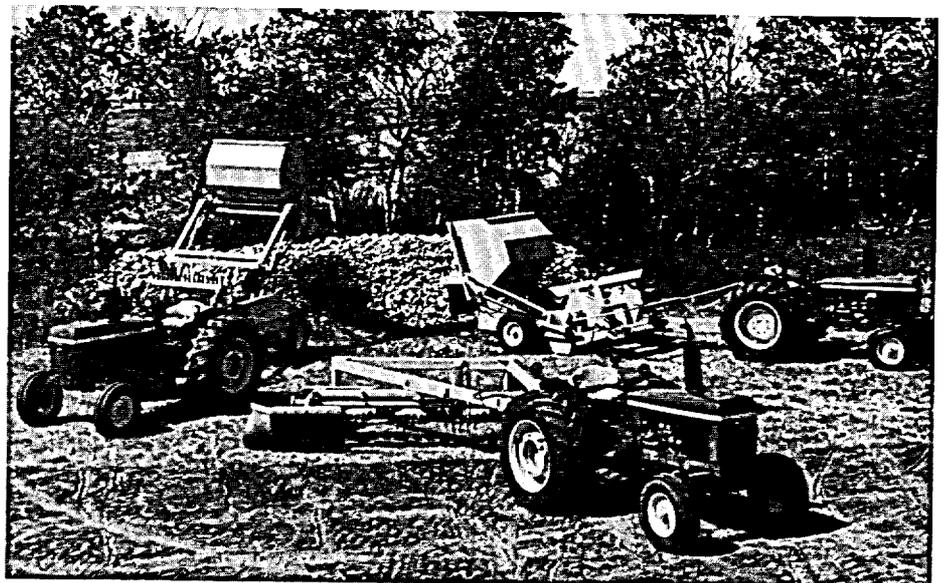
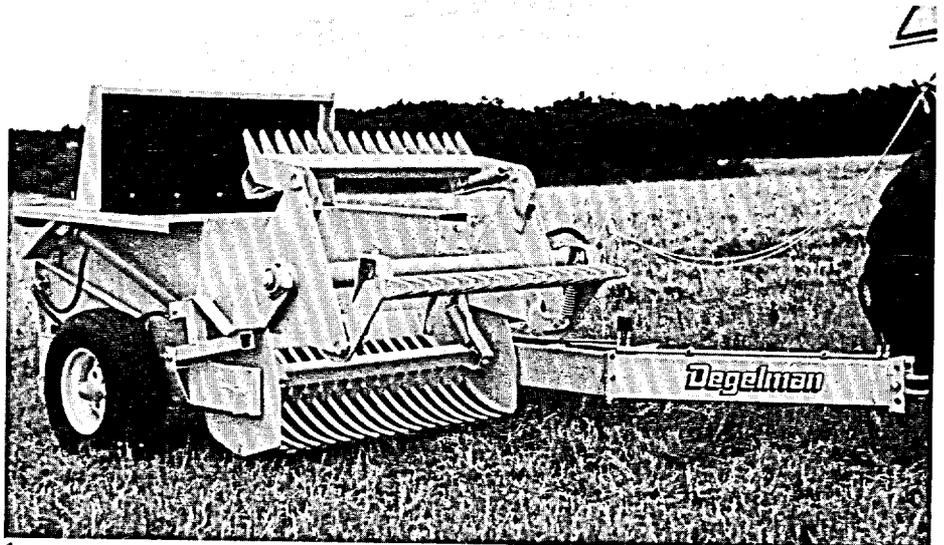
1 Degelman's Semi Hi Lift Rock Picker is a rugged, reel-type picker designed for field piling.

2 Reliable products from Degelman include (left) the R570H Hi Lift Rock Picker, (front) the LC1400 Rock Rake and (right) the R570S Semi Hi Rock Picker.

Hi Lift Rock Picker — R570H Model

Width: 1978 kg (4,300 lbs.)
Length: 4.4 m (14 ft. 6 in.)
Width: 2.6 m (8 ft. 8 in.)
Hopper cap.: .95m³ (1¼ cu. yds.)
Dumping height: 2480 mm (60 in.)
Grill width: 1524 mm (60 in.)
Reel speed: 30-35 RPM

The Hi Lift Rock Picker has an optional three or four paddle reel with optional PTO, hydraulic or ground drive. Unloads in trucks, wagons or field piling. Can be used for either spot picking or windrow picking.



DEL Equipment Limited
139 Laird Drive
Toronto, Ontario
Canada M4G 3V6
Tel: (416) 421-5851

Contact

Mr. J.C. Martin
President

DEL Equipment Limited, founded in 1945, has grown to become Canada's largest manufacturer of truck bodies and truck equipment, with branches coast to coast in Canada and in Buffalo and Rochester, New York.

DEL pioneered the telescopic hoist in the farm body market in the 1950s and now produces an extensive range of advanced hydraulics for farm truck hoists; cable, lever and air controls; pumps and power take-offs. DEL's airshift controls, which are independent of the truck's air system are the most advanced in the world. Another unique feature from DEL is the combination of the pump and power take-off, eliminating special rotation requirements, drive-shafts and universal joints.

DEL hydraulic products for the farm body market are distributed in the United States by DEL HYDRAULICS, 15 Holt Street, Buffalo, N.Y. 14240, Telephone (716) 853-7996.

Lift capacities:

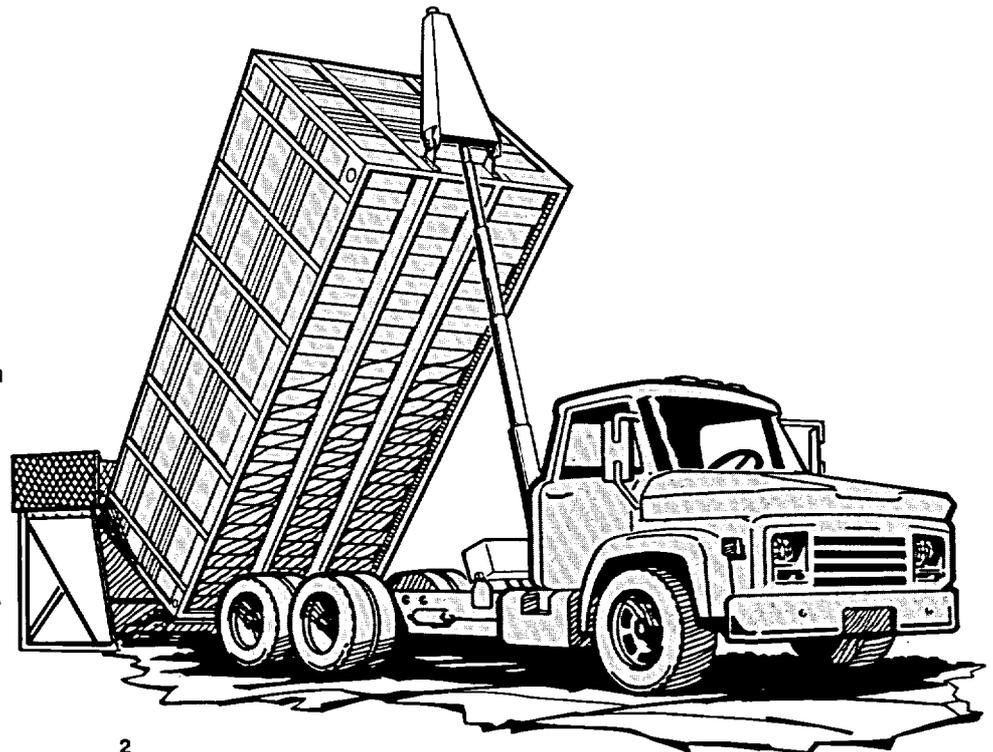
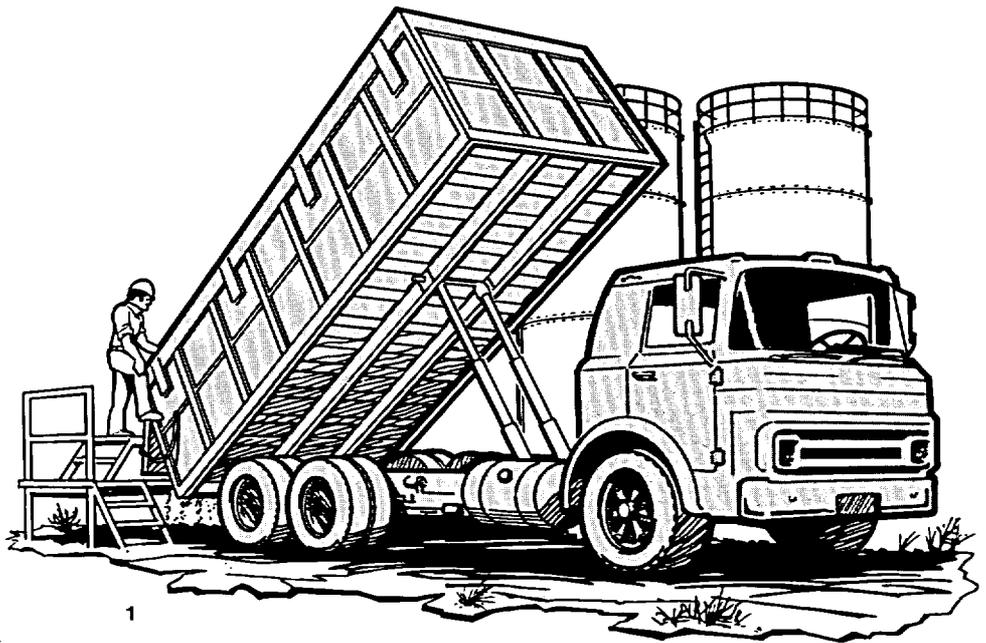
5,896.7 kg to 27,215.5 kg (13,000 to 60,000 lbs.)

For body length:

2.43 to 7.31 m (8 ft. to 24 ft.)

Stroke:

1.1 m, 1.37 m, 1.88 m, 2.24 m, 2.34 m
(44 in., 54 in., 74 in., 82 in., 88 in.)



1 DEL Equipment's farm conversion hoists have features that facilitate the installation and improve the stability of the truck while dumping.

2 Front-mounted hydraulic hoists from DEL Equipment offer maximum stability and high dump angles with low maintenance costs.

Dika Industries Ltd.
P.O. Box 117,
Rycroft, Alberta
Canada T0H 3A0
Tel: (403) 765-3894

Contact:

Messrs. Mike and Greg Dika
Owners

DIKA Industries Ltd., incorporated in December 1955, was originally called Dika Construction Ltd., by brothers Mike and Jerry Dika.

Over the past 30 years, many changes have been made. Change and innovation have made the company a stable, reliable enterprise, known for its ability to manufacture reliable, efficient, durable and simple-to-operate machinery.

Dika Industries Ltd. manufactures land-clearing and land-preparation equipment including mechanical root pickers, wheel type root rakes, hydraulic lift root harrows, rock windrowers, land rollers, slope side brush piler, one, two, three and four bottom breaking plows.

The company has also developed and manufactured a completely automatic pivot auger grain-handling system, using existing bins, for easy movement of grain. As well as agricultural products, Dika manufactures logging equipment. The Dika Super Saw is a mechanical tree harvester that is adaptable to any carrier on the market, be it rubber-tired loader, tracked loader or crawler, or swing type feller buncher.

Dika Industries sells its products direct and through a dealer network in the northwestern United States and western provinces of Canada. Its machinery has been sold from Louisiana to

Alaska (US) and from Nova Scotia to the Queen Charlotte Islands in Canada.

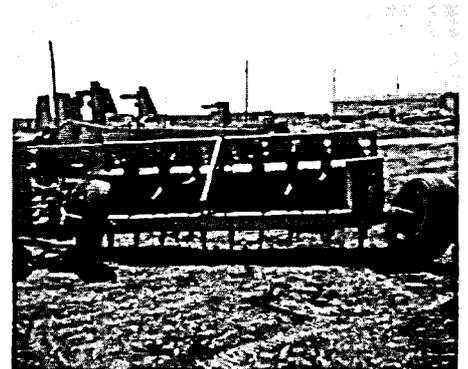
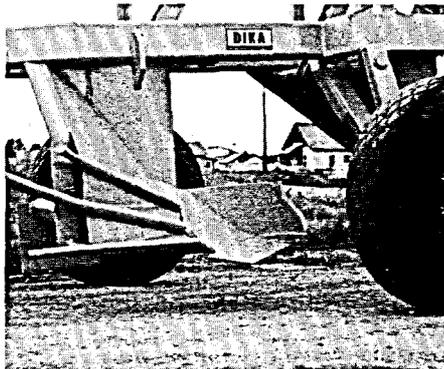
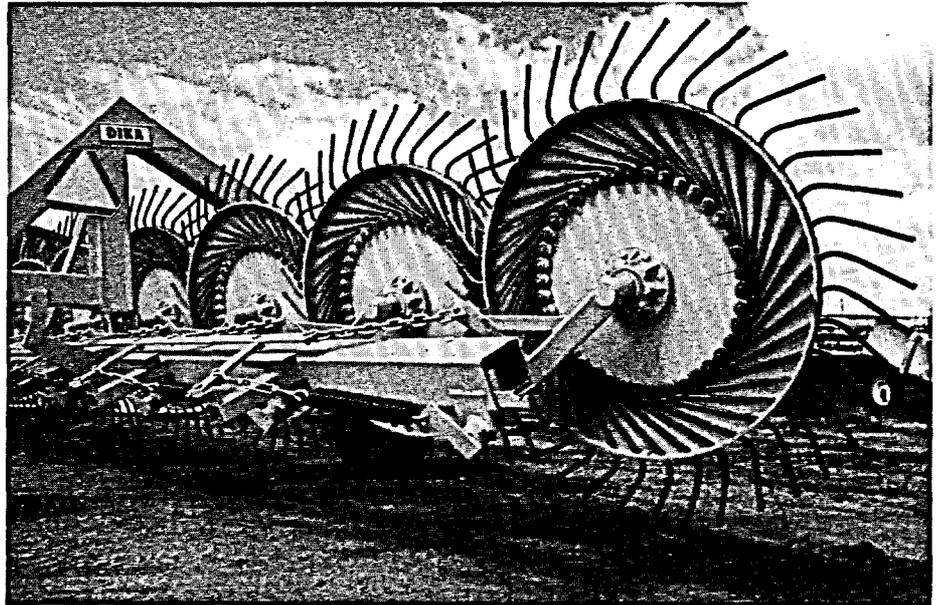
The firm is interested in expanding the dealer network in the USA, eastern Canada, and the maritimes, as well as in Europe, New Zealand and Australia. Dika welcomes interested agents.

Dika Pivot Auger System

The Dika Pivot Auger System is a three-auger system operating at approximately one third the cost of a leg system.

Operation is simple: number two auger is swung to the pit or bin selected for unloading; number one auger is lowered into the unloading tube; number three auger is swung to the bin to be loaded.

The operator controls the transfer from the control box located at the bottom end of number two auger. Controls are always at the point of unloading to allow for watching and adjusting grain flow for best operation. There are no idle conveyors, down spouts, etc. in this system. When in operation, all the equipment is fully utilized.



1 The Dika Wheel-Type Root Rake has teeth that are tempered for maximum resilience and resistance to shock.

2 The breaking plow bottom manufactured by Dika is common to all light draught models: coultter and share are hard faced and self-sharpening.

3 Dika's Root Windrower Series 101 tumbles the roots and rocks ahead of it and feeds them out the right side in a windrow.

Edwards Rod Weeder Ltd.

P.O. Box 995

3102-5 Avenue N.

Lethbridge, Alberta

Canada T1J 4A2

Tel: (403) 328-9201

Contact:

Mr. Fraser Edwards
President

Edwards Rod Weeder Ltd., a manufacturer of farm equipment, was incorporated in May 1965. At present, a sales force of factory representatives and agents market the company's products through distributors and dealers in Canada, the United States and Australia.

The main product at the time of incorporation was Rod Weeder Attachments. Production of complete unitized Rod Weeders followed soon after, and a line of Deep Tillage Cultivators was added in 1967. Steady growth ensued, and company manufacturing facilities had to be expanded in 1969 to accommodate the production of Livestock Watering Equipment. In 1976, the company again expanded and installed a heat-treating line to product tillage tools. In the 1980s, Edwards added the HD 812 and HD 912 Hoe Drills to its product list, meeting a significant need and demand for heavy duty, high clearance seeding equipment for conservation-minded farmers. Edwards also manufactures the Deep Bander, an accurate and adaptable fertilizer kit which attaches to cultivators, and enables the farmer to deep band granular fertilizer in an economical and efficient manner.

Edwards HD-812 Hoe Drill

Grain box capacity:

2.47 L/cm (2.07 bu/ft) of Drill with
fertilizer attachment

3.41 L/cm (2.86 bu/ft) of Drill
without fertilizer attachment

Grain feed:

V-shaped 560 mm (20 in.) made of
heavy 10-gauge steel; rubber
packer wheels are optional

Hoe points:

Heat treated alloy steel points are
adjustable for long life

Hoe assemblies:

Spring loaded, trip-release pro-
vides full 20.32 cm (8 in.) vertical
lift for narrow tubular hoe leg.

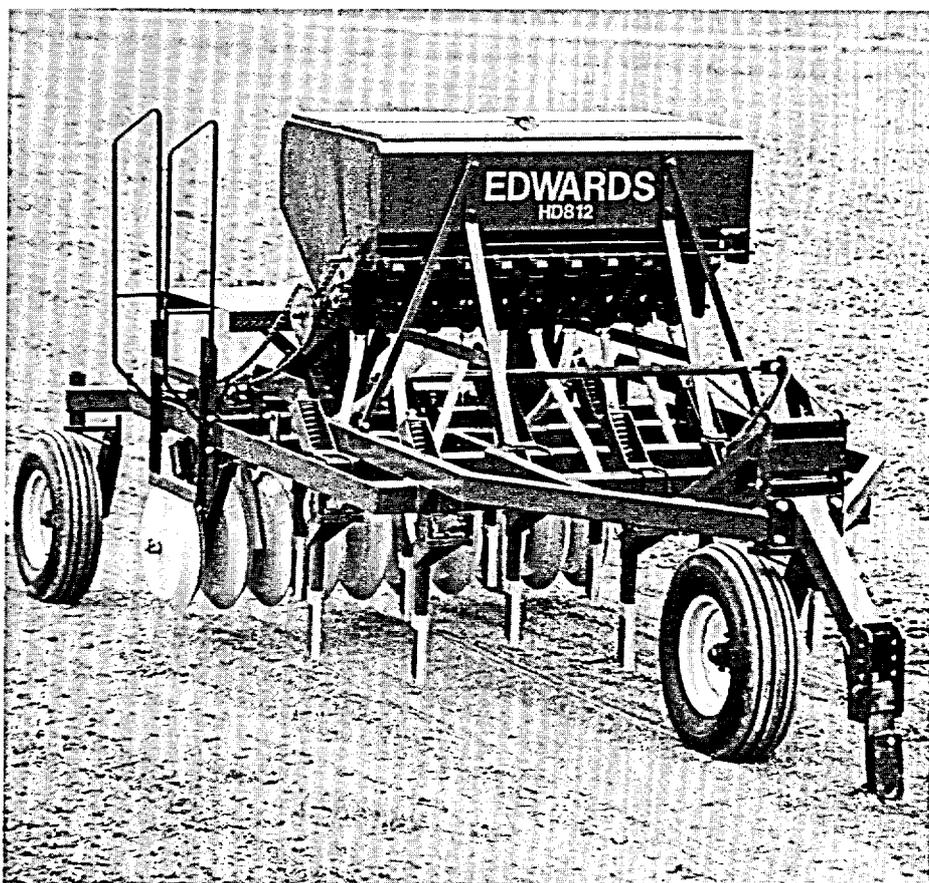
Frame:

The four row frame is constructed
of sturdy 10 cm x 10 cm
(4 in. by 4 in.) and 5 cm x 100 cm
(2 in. x 4 in.) tubular steel.

No. of drills: 1 to 7

Row spacing:

206 mm (8 in.) and 290 mm (12 in.)



Edwards Rod Weeder offers the Edwards HD 812 Hoe Drill as part of its extensive product line.

Équipement Agricole Côté Inc.

1275, Route 255

St-Felix de Kingsey

Cté Drummond, Québec

Canada J0B 2T0

Tel: (819) 848-2711

Contact

Mr. Denis Côté
President

Équipement Agricole Côté Inc. was founded in 1968 and incorporated in 1972. At first, the company operated as a machine shop, eventually specializing in farm equipment such as grain silos.

Up to 1976, production was mostly concentrated on grain silos, but owing to stiff competition, the company sought to diversify its production. As a result, "Evacuair" was developed. It is an underground manure removal system adaptable to existing cleaning unit, and will remove the manure to the storage area quickly and efficiently with the help of an air compressor. This system was tested with other similar systems by the Quebec Agricultural Ministry and considered superior, by a large margin, to all others tested. As a complement to this product a liquid manure spreader was also introduced.

The premises of the company with an area of approximately 1162 m² (12,500 square feet) were constructed in 1968, and after a substantial increase in orders, a new administrative section was constructed during the winter of 1980.

Evacuair

Manure reservoir

Height: 3.5 m, 4.11 m (11 ft, 13.5 ft.)

Width: 19.68 m (6 ft.)

Weight:

1133.8 kg to 1360.8 kg
(2,500-3,000 lbs.)

Volume:

4546 to 6819 L (1,000-1,500
Imp. gal.)

Compressor

Height: 1.52 m (5 ft.)

Width: 91 cm (36 in.)

Length: 228-348 cm (90-137 in.)

Weight: 544-680 kg (1,200 to 1,500 lbs.)

Volume: 1055-1596 L (232 to 351
Imp. gal.)

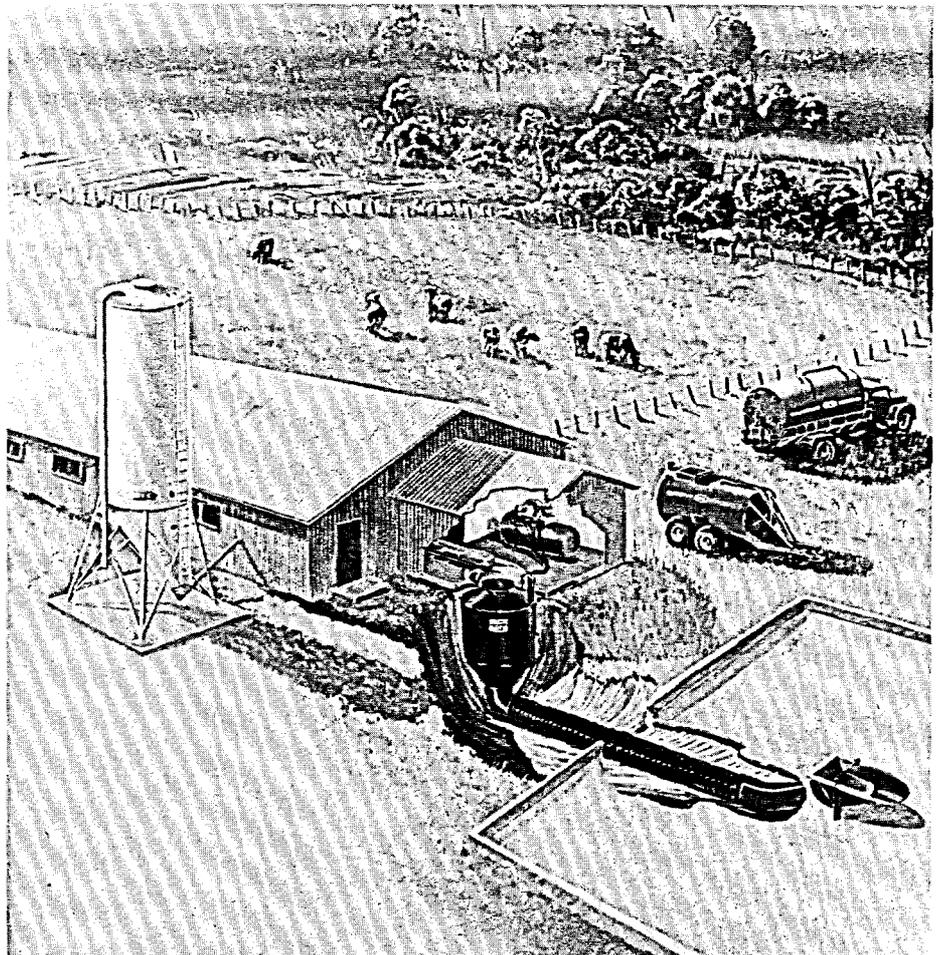
One-Way Unit

Height: 1.21 m (4 ft.)

Width: 91 cm (3 ft.)

Weight: 680 kg (1,500 lbs.)

Length: 5.18 m (17 ft.)



The Evacuair from Équipement Agricole Côté Inc. is an underground manure removal system.

Fairford Industries Ltd.
P.O. Box 907
302-7th Avenue N.W.
Moose Jaw, Saskatchewan
Canada S6H 4P6

Contact:

Mr. John T. Dokken
Vice President and
General Manager

Fairford Industries Ltd. was established in 1971. An aggressive engineering group dedicated to production of a high quality product, and a skilled and highly motivated plant force combined with well trained distributors, provides a very strong team in the market place.

The company's distributor network comprises the largest agricultural supply organizations in North America combined with commercial/industrial marketing organizations to provide complete coverage of the market area.

Fairford Industries' foreign distribution network includes:

- Peavey Lumber, mid-western United States — 89 service centres

- Permanent Building Systems Inc., mid-western United States
- Robertson Lumber, mid-western United States — 25 service centres
- Domino Farmline — Dalgety Ltd., Australia
- Bygg Service, Norway

Fairford steel buildings

These buildings are manufactured from the highest quality galvanized steel. The roll-formed, precision manufacturing makes construction fast and easy. Fairford Steel Buildings are erected on a troughless foundation. Roof panels are anchored to the foundation and embedded in concrete for extra strength, accurate length control during construction, and lasting durability. End-walls are bolted to the foundation with use of clips and a baseplate. Each building comes with a complete illus-

trated construction manual prepared especially for each building order.

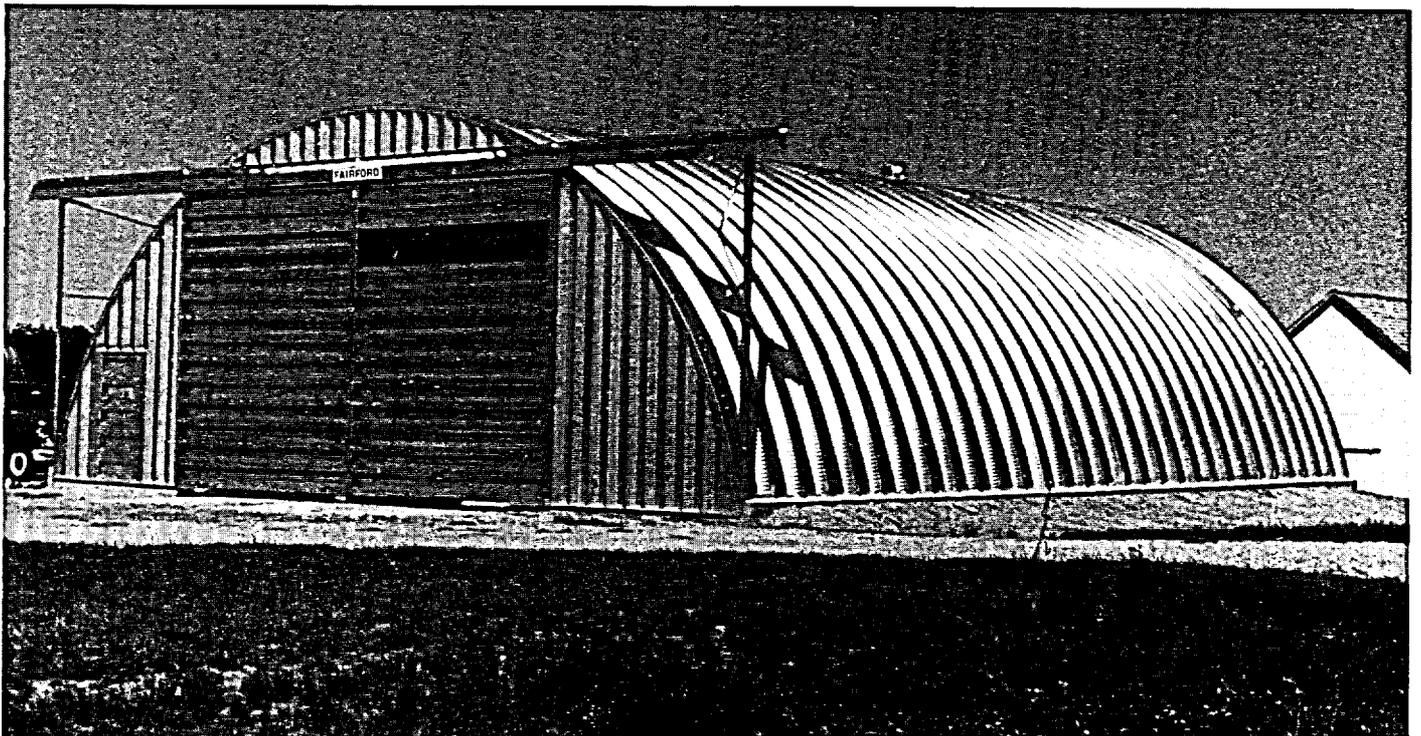
Roof system:

Fairford manufactures a tough, 20.3 cm (8 in.) deep, corrugated arch panel, bolted every 15.8 cm (6.25 in.) with 7.9 mm x 19 mm (5/16 in. x 3/4 in.) zinc plated hex head bolts with washer indent, square nuts and poly washers.

End-walls:

Heavy, 10 cm (4 in.) deep trapezoidal end-walls are well secured to the foundation and solidly connected to the roof system. Baseplate inserts are supplied as standard equipment to give neat interior finish.

Fairford steel buildings are precision-manufactured from the highest quality galvanized steel and erected on a troughless foundation.



Fair-Grade Scales
P.O. Box 855
Baytree, Alberta
Canada T0H 0A0
Tel: (403) 353-3783

Contact:
Mr. Jim McDowell

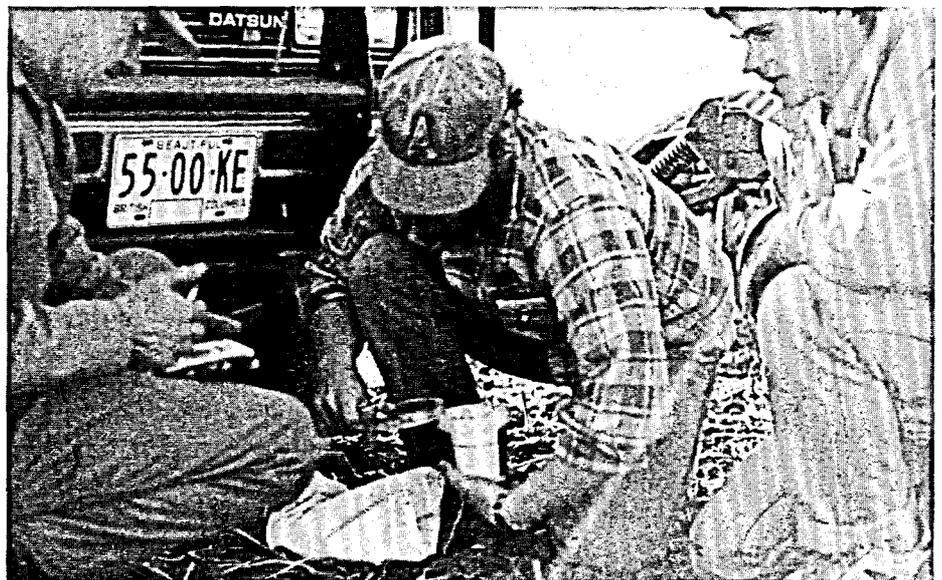
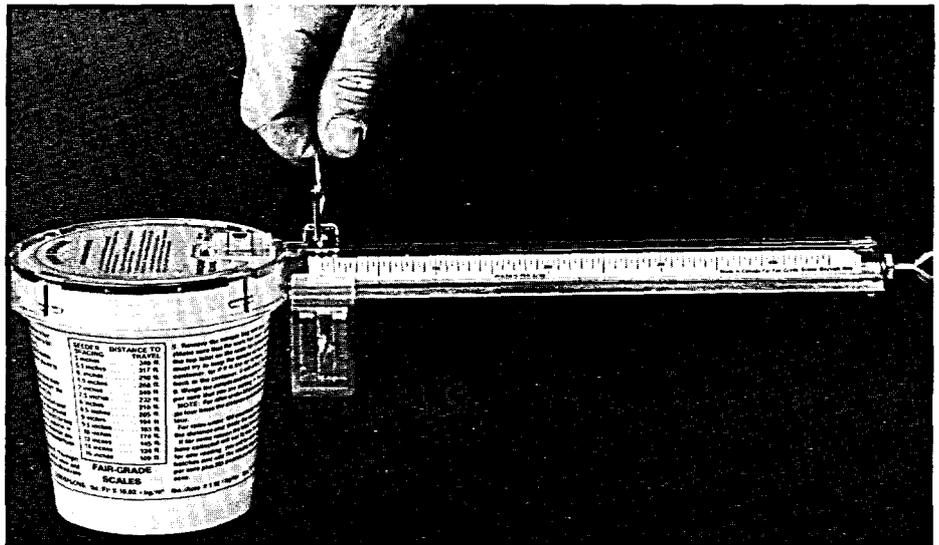
The Fair-Grade Seed Scale was introduced in Canada in 1984. This particular scale was designed to give the farmer a portable, reasonably priced scale that would read the bushel weight of his crop (lbs./bu.).

In 1985, through sessions at trade shows and conversations with farmers, it became apparent that there was a strong need for a scale that would help set seeding equipment in pounds per acre. The new Application Rate Scale was first exhibited in June of that year. It has filled a need for accuracy in the field that before this time was unavailable. Fair-Grade Scales was incorporated in 1985.

With the high cost of farming, there is, from necessity, a concern for the quality of that farming. The Fair-Grade Application Rate Scale will allow a farmer or custom operator to easily set the rates of his application equipment in pounds per acre. The scale is designed to be used in the field, the whole process taking about half an hour. To obtain the lbs./acre reading, a bag is attached to one of the runs of the drill, a predeter-

mined distance is travelled, and the sample collected is then weighed in the scale. It can be used with conventional drills, one way discers, air seeders, air herbicide applicators, fan spreaders, and dump spreaders. The scale also gives a bushel weight reading (lbs./bu.) and a density reading for fertilizer (lbs/cu. ft.).

Capacities:
Up to 82.6 kg/ha. (450 bu./acre)
Up to 1.122 kg/L (90 lbs./bu.)
Up to 1458 kg/m³ (75 lbs./cu. ft.)
Weight: 0.68 kg (1½ lbs.)
Length: 3.56 cm (14 in.)
Design specs:
Calibrating Eyebolt and
Level Bubble



1 The Application Rate Scale from Fair-Grade Scales allows the operator to easily set the rates of application equipment in pounds per acre.

2 Fair-Grade Scales' Application Rate Scale is designed to be used in the field.

Farmatic Inc.
45 Meg Drive
London, Ontario
Canada N6E 2V2
Tel: (519) 686-7881
Telex: 064-7597

Contact:
Mr. Eric Jarman
President

Farmatic was founded in 1962 in Gorrie, Ontario by George Keil, who also sold electric mills for an American company. He soon designed his own mill and the unique Accuportioner. In 1979, Farmatic was sold to the Jarman family of London, Ontario. Research and development are important to the Jarman family.

In addition to the old-style electric mill designed by Keil, Farmatic now makes an electronic feed processor, the new Robotic Sow, pneumatic conveying systems, and augers. The Robotic Sow is an automatic piglet feeder developed at the University of Guelph, Ontario. The electric and electronic feed processing systems allow grinding and mixing of feed right on the farm, eliminating transportation and commercial feed preparation costs. Grain can be ground by hammers for hogs and poultry, or rolled by a roller mill, for cattle. The Farmatic Accuportioner is an automatic metering device controlling the ration of each ingredient released into the mill. Feed can be sent from the mill to bins or to feed drops by an air conveyor or by long augers. Farmatic has dealers in Canada and the United States.

Robotic Sow (TM)

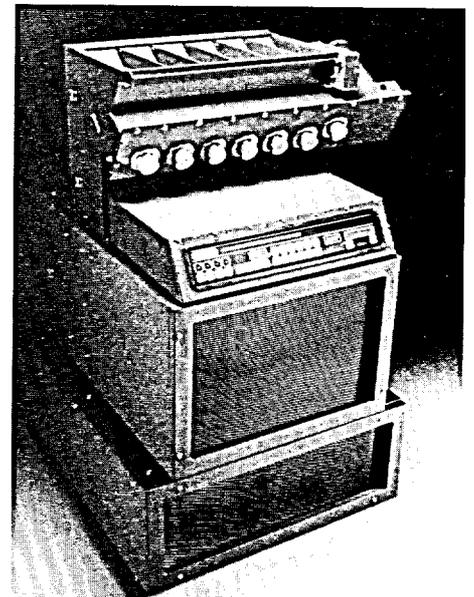
Eight nipple model:
Height: 86.36 cm (34 in.)
Width: 91.44 cm (36 in.)
Depth: 40.64 cm (16 in.)
Weight: 264 kg (120 lbs.)

Sixteen nipple model:
Height: 86.36 cm (34 in.)
Width: 91.44 cm (36 in.)
Depth: 66.04 cm (26 in.)
Weight: 440 kg (200 lbs.)



Farmatic's Robotic Sow, developed by animal science researchers, nurses piglets hourly from birth to weaning — feeds warm milk through nipples and grunts like a real sow.

Farmatic's Electronic Feed Processor, with roller or hammer mill insert, allows on-farm measuring and grinding of grain and premixes with economy and efficiency.



Farm King Allied Inc.
P.O. Box 1450
Morden, Manitoba
Canada R0G 1J0
Tel: (204) 822-4467

Contact

Mr. Larry Schroeder
President

Farm King Allied Inc. is a farm machinery manufacturing company that was started in 1932. The company grew steadily, and in the 1970s and 1980s purchased other manufacturing companies which complemented Farm King Allied's product line.

The firm's main products are front-end loaders, grain augers, snow-blowers, and harrow equipment.

Farm King Allied Inc. exports quite extensively to the United States and less to Australia.

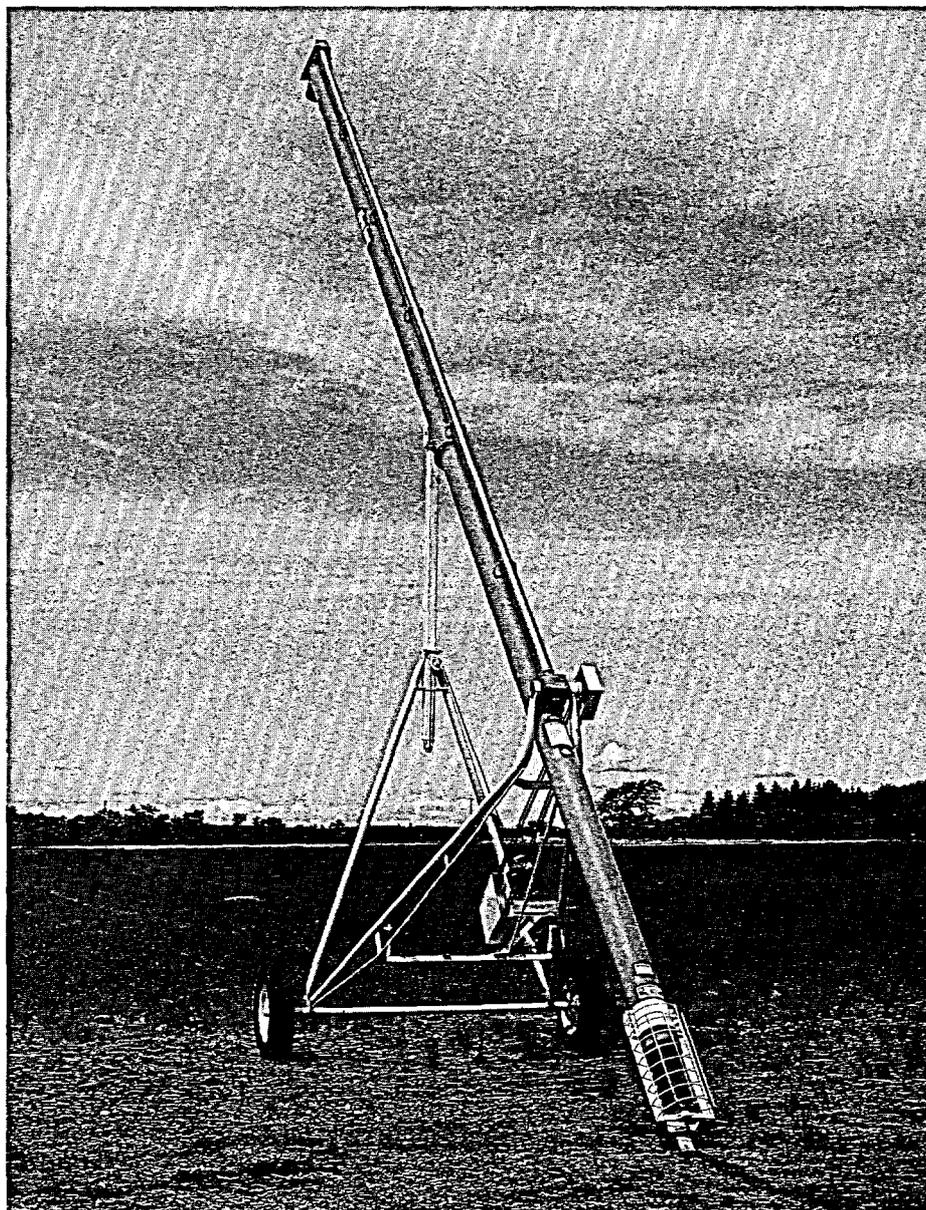
Hydraulic drill fill and fertilizer tank

Drill fill:

- 12-gauge flighting
- Complete with box clamp
- Protective spider guard
- Long telescoping spout
- Hydraulic motor: 101-1002 H-Series Char-Lynn
- Less hydraulic hose and valve
- Sizes: 12.7 × 27.9 cm (5 × 11 in.),
12.7 × 40.6 cm (5 × 16 in.),
12.7 × 53.3 cm (5 × 21 in.)
- Optional electric solenoid valve control available.

Fertilizer tank:

- Special rust-resistant undercoating
- Corrugated sides for extra strength
- Clean out door at bottom of tank
- Reinforcing chain
- 16 gauge steel
- Height: 1.21 m (48 in.)
- Width: Top — 2.1 m (7 ft.) Bottom — 25.4 m (10 in.)
- Length: 3.05 m (10 ft.)
- Weight: 192 kg (425 lbs.)
- Capacity: 4.30 m³ (152 cubic feet)
- Straps included for attaching tank to truck box.



The Farm King Allied Portable Grain Auger features a telescoping lift system for greater height and reach.

Farm Land Agro Supply (Red Deer) Ltd.
4630 - 61 Street
Red Deer, Alberta
Canada T4N 2R2
Tel: (403) 343-6342

Contact:

Mr. Don Bezjack
Specialty Products Manager

Farm Land Agro Supply was established and incorporated in 1982. It is a diverse company involved in manufacture and marketing of agricultural products, fertilizer sales and fertilizer application. The principals of Farm Land have been involved in the agricultural industry for more than 20 years in various capacities.

Marketing the Vern Deep Side Banding Knife has become a focal point for this young company. The product is a ground-opener attachment of swept-back design for precision fertilizer placement. Used in conjunction with the seed boot, it offers the proven yield advantage of paired row seeding and accurate fertilizer placement. With the A562 mounting bracket behind sweeps, a tillage operation and fertilizer placement can be accomplished simultaneously. Without a sweep on the shank, pasture and hay land rejuvenation is accomplished with minimum soil disturbance and cost. This same application has been used when seeding, by farmers practising zero-till farming techniques.

Products are distributed in the United States by Concord Inc., located in Fargo, North Dakota. World-wide markets are jointly covered by Farm Land Agro Supply and Concord Inc.

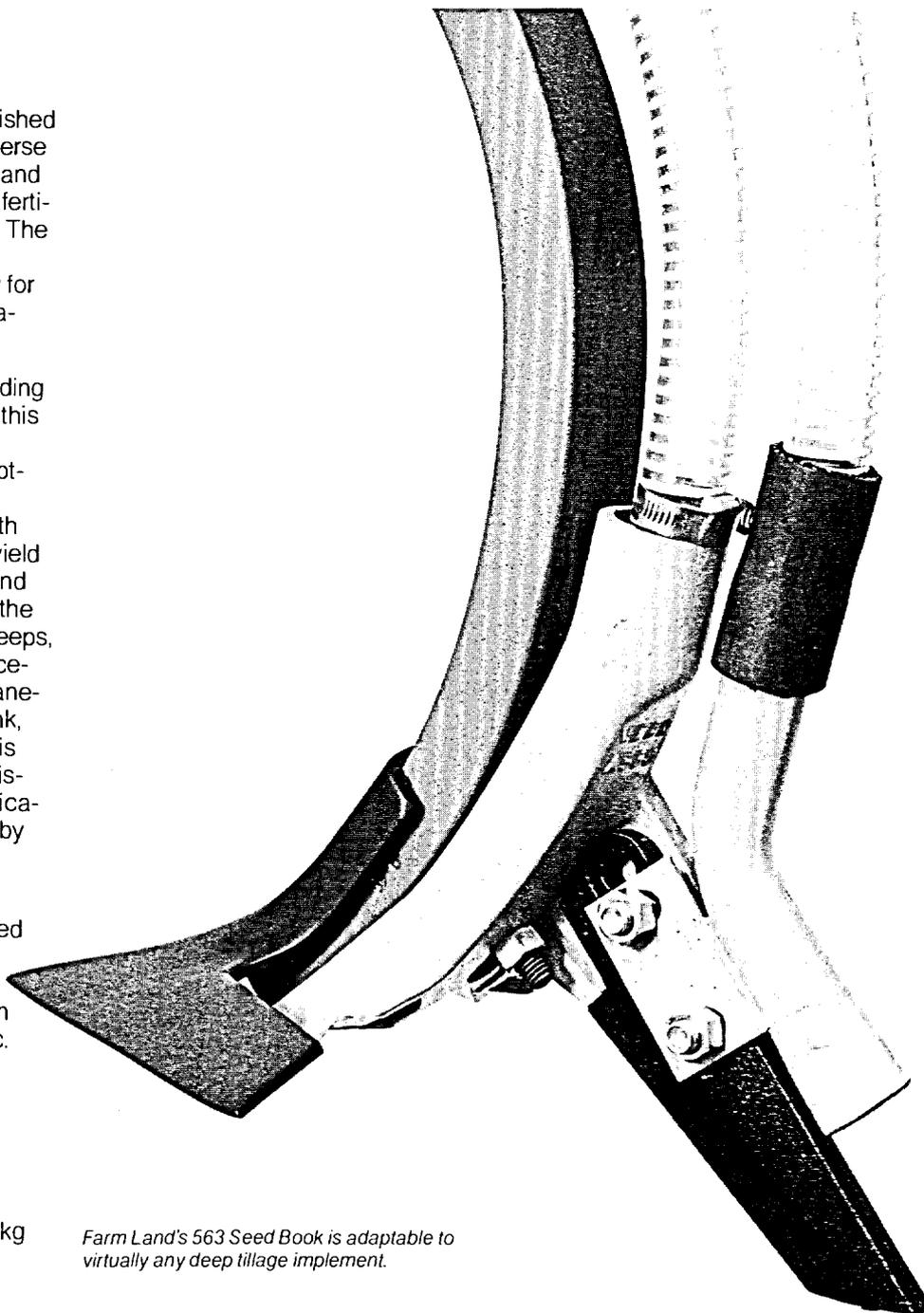
A 563 Seed Boot

Size:

26.67 cm × 20.32 cm
(10½ in. × 8 in.)

Weight:

2.72 kg (6 lbs.); with knife 3.40 kg
(7½ lbs.)



Farm Land's 563 Seed Book is adaptable to virtually any deep tillage implement.

Faroex Ltd.
P.O. Box 1186
Gimli Industrial Park
Gimli, Manitoba
Canada R0C 1B0
Tel: (204) 642-8897

Contact:

Mr. Perry Dankochik
Sales Manager

Faroex Ltd. began producing livestock equipment approximately five years ago and has pioneered the development of highly successful products.

Polypenning, (Polyfence in the United States) is a high strength, corrosion proof, chew-proof, fibreglass hog fencing material which will out-perform the best steels in any barn. The colourful fencing will still look new in 10 years, a claim rivaled only by stainless steel, but at a cost comparable to galvanized steel fencing. Polypenning has been field proven for over five years.

Poly-frame is a high strength, corrosion-proof fibreglass frame suitable for supporting traditional floor types such as woven wire and plastic coated

expanded metal. Poly-frame is field proven for close to four years.

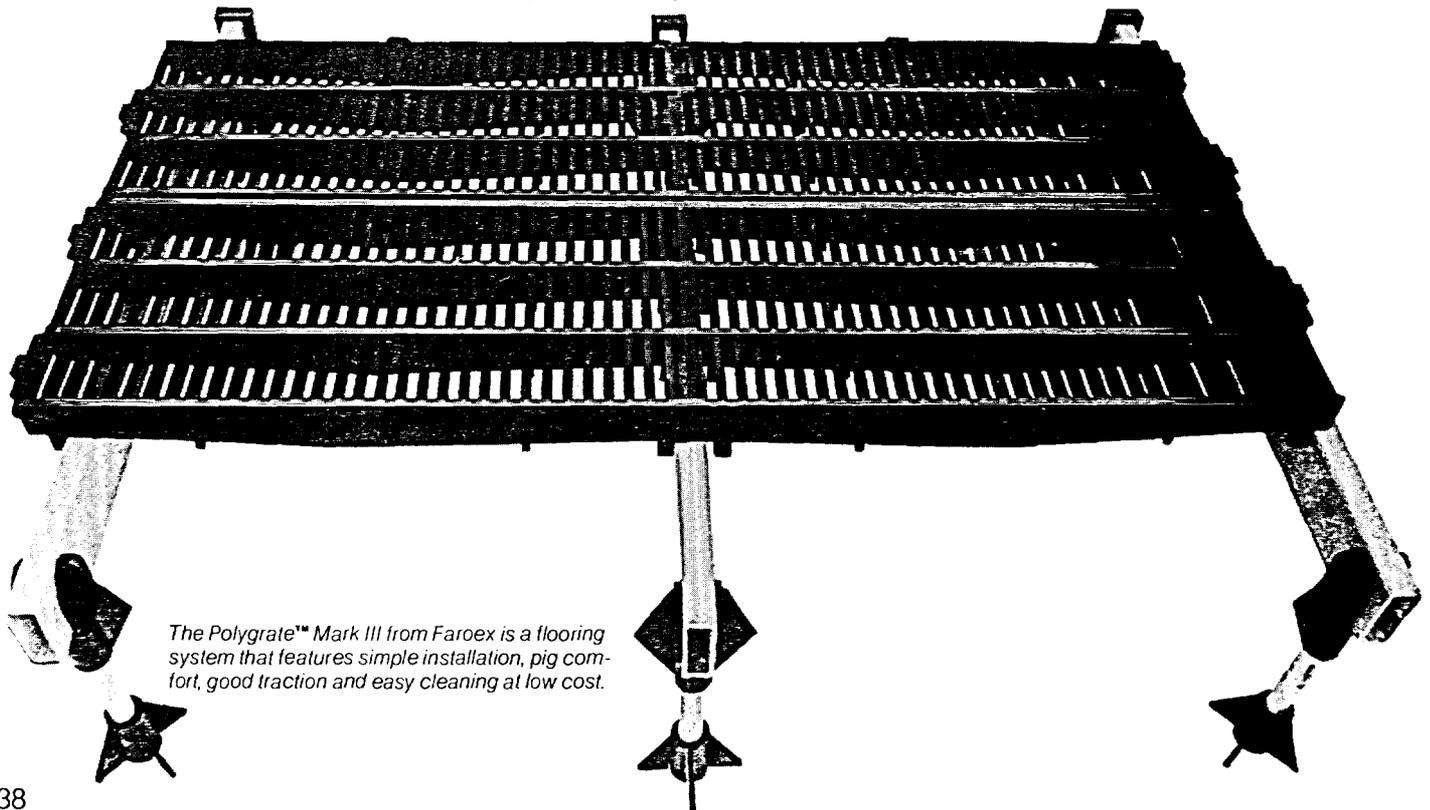
Polygrate is the only plastic floor offering the ultimate in cleaning, durability, economy, and pig comfort. Compare these most outstanding features:

- (a) Void space for cleanliness. A 45 per cent void space is the closest a plastic floor has come to woven wire.
- (b) Weight — other plastic floors may be cheaper but they are half the weight.
- (c) Sanitary — Polygrate is made of solid plastic fibreglass. Other plastics formed with tiny air cells to save plastic soak up disease and germs like wood and are virtually impossible to clean completely. Dealers and customers affirm that Faroex has the cleanest floor on the market today.
- (d) Ease of installation — Polygrate is designed with Polybeam to allow the

farmer to tailor a flooring system to specific sizes. These light, 30 cm x 60 cm (1 ft. x 2 ft.) grates and polybeam are easy to install and a unique system of side and end interlocks provides for a snap-together fit without need for extra bolts or hardware.

(e) Outstanding traction — Polygrate's unique design of tractive surface featuring a high-low of individual fingers and support beams provide traction for all sizes of pigs. Slots are designed to run parallel to the sow allowing the baby pigs to dig in for traction while nursing.

(f) Cost — No floor and frame system matches Polygrate in price, high strength, warmth, longevity, ease of installation, versatility, traction, wear resistance, cleanliness, innovative design technology, corrosion resistance, modular approach, and pig comfort.



The Polygrate™ Mark III from Faroex is a flooring system that features simple installation, pig comfort, good traction and easy cleaning at low cost.

Faromor Inc.
610 Colby Drive
Waterloo, Ontario
Canada N2V 1A2
Tel: (519) 884-3142

Contact:

Mr. Wayne Blenkorn
President

Faromor Inc. was established in 1982 to manufacture natural ventilation systems. Since then it has become Canada's largest supplier of natural ventilation products. They include all aluminum, urethane core injected, insulated wall vents, aluminum and plexiglass (see-through) wall vents, moveable fabric curtains and continuous PVC ridge vents.

In addition, Faromor manufactures a low voltage, electric operating system which will control either vents or curtains to minimize barn temperature fluctuations. Vents are moved incrementally by a thermostatic control to

find the desired degree of opening for proper temperature control. The operating system is fabricated from 304 stainless steel to assure a long, maintenance-free life. A simple back-up battery system allows continued operation even during a power failure.

Wall Vents

Frame:

.070 mill finish extruded aluminum, corners are reinforced and welded. Self-flashing on profile sidings up to 3.17 cm (1.25 in.).

Panel:

3.81 cm (1.5 in.) polyurethane foam core poured in place between interior and exterior .025 white embossed aluminum skins. Mill finish aluminum extruded channel to reinforce panel, surrounds edge.

Hinges:

Plated steel hinges screw to panel frame.

Manual operator:

Plated tensile steel closure rod locks panel in one of five positions.

Dimensions: (custom sizes on request)

vent size 60 cm x 213 cm

(2 ft. x 7 ft.), rough opening
66.7 cm x 220 cm (26.25 in. x
86.75 in.)

vent size 92 cm x 213 cm

(3 ft. x 7 ft.), rough opening 97 cm x
220 cm (38.25 in. x 86.75 in.)

This typical 12 m x 45 m (40 ft. x 150 ft.) naturally ventilated swine finishing barn is equipped with FAROMOR wall and ridge vents that are infinitely regulated by a thermostatically controlled operating system.



Flexi-Coil Ltd.
P.O. Box 1928
1000 - 71st Street E.
Saskatoon, Saskatchewan
Canada S7K 3S5
Tel: (306) 934-3500 Telex: 074-2844

Contact:
Mr. T. Summach
President

Flexi-Coil was established in 1950 to produce the Flexi-Coil land packer which was developed by the founder. Since then, the company has manufactured dry land grain farming equipment and has developed several innovative products on which it holds patents.

The new Models 1100 and 1600 Air Seeder contain the latest innovations in pneumatic seeding. Featured are a highly efficient fan, accurate metering, and uniformity of seed distribution. The simple design and relatively low price makes these machines the most cost effective method of seeding available.

Flexi-Coil's field cultivators and chisel plows are available with built-in flexibility that results in good ground-following characteristics. When operated with an air seeder, this flexibility allows for seed deposition at a uniform depth resulting in higher yields.

The harrow and packing equipment is used in seed bed preparation and after seeding to conserve moisture, reduce air pockets and thus increase the germination rate. These machines are widely used in Western Canada and in many parts of the world.

The field sprayers are 18.9-29 cm (62 to 96 in.) in width, can be folded and unfolded from the tractor seat, have adjustable wheel tracking, and all liquid contact components are of high quality corrosion resistant materials.

1 *The Flexi-Coil 1100 Air Seeder features a highly efficient fan, accurate metering and uniform seed distribution.*

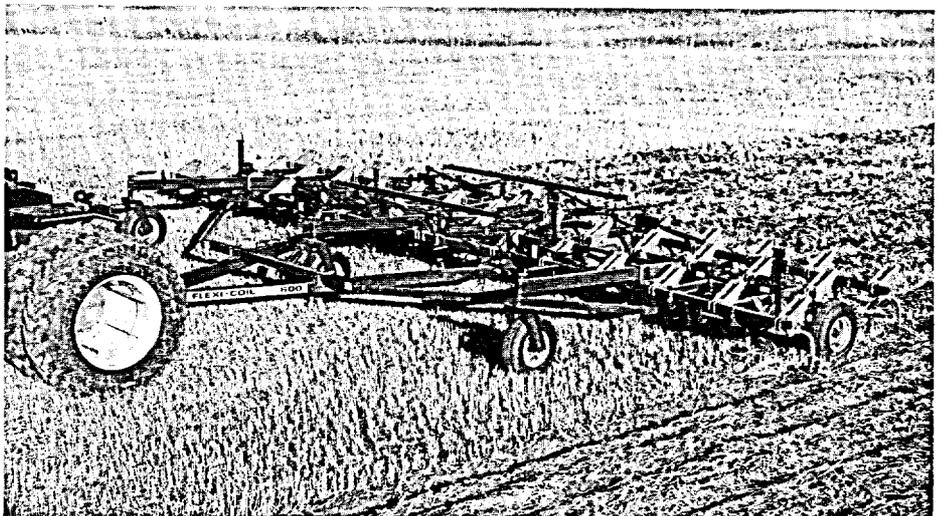
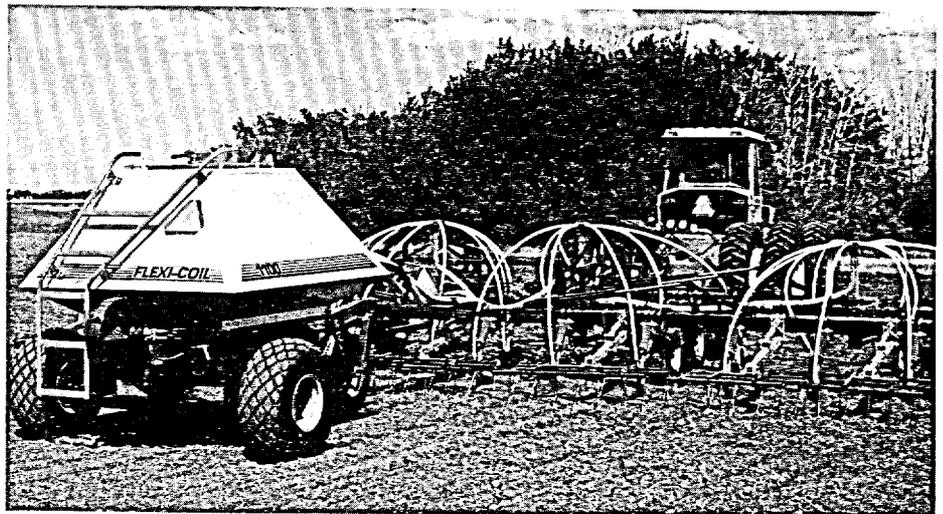
2 *The Flexi-Coil 600 Series Chisel Plow flexes four ways to ensure tilling is done at uniform depths and handles extreme trash conditions efficiently.*

All products are distributed in the United Kingdom and Western Europe by Flexi-Coil (U.K.) Ltd., Seaton Ross, York, England.

Model 1100 Air Seeder

Capacity:
 Front Tank: 2.28 m³ (64.9 bu)
 Rear Tank: 1.59 m³ (45.1 bu)
Primary manifold:
 3 or 4 ports to single shoot.
 6 or 8 ports to double shoot.

Secondary manifold:
 7, 8, 9, 10, 11, and 12 ports.
Cultivator size:
 228 mm (9 in.) shank spacing:
 6.4-11 m (21-36 ft.)
 305 mm (12 in.) shank spacing:
 6.4-12.5 m (21-41 ft.)
Fan Drive:
 Draws 6-10 H.P. from tractor hydraulics or separate engine.



Forever Industries (1971) Ltd.
2-1673 Dugald Road
Winnipeg, Manitoba
Canada R2J 0H3
Tel: (204) 661-6959

Contact:
Mr. Otto Janzen
President

For more than 50 years, farmers have been using Forever machines for reliable cleaning of cereal grains, oil seeds, grass seeds, peas, beans, wild rice and more.

Both Standard and Dustless models of Forever cleaners are manufactured in 91, 106, 121 and 137 cm (36, 42, 48 and 54 in.) sizes. All models include vertical air fan, screening collector, 12 screens and v-belt drives. The Dustless version includes suction air (suction attachments can be supplied for standard models).

In the 137 cm (54 in.) size cleaner, the screens on the top deck can be converted to one screening screen and one scalping screen for coarse grain, or to two scalping screens for flax and grass seeds. The centre deck has one screening screen and one scalping screen. The bottom deck has one large screening screen. There are screen cleaners under all screens.

The top deck arrangement in the smaller sizes is the same. The centre deck has one scalping screen and the bottom deck one large screening screen.

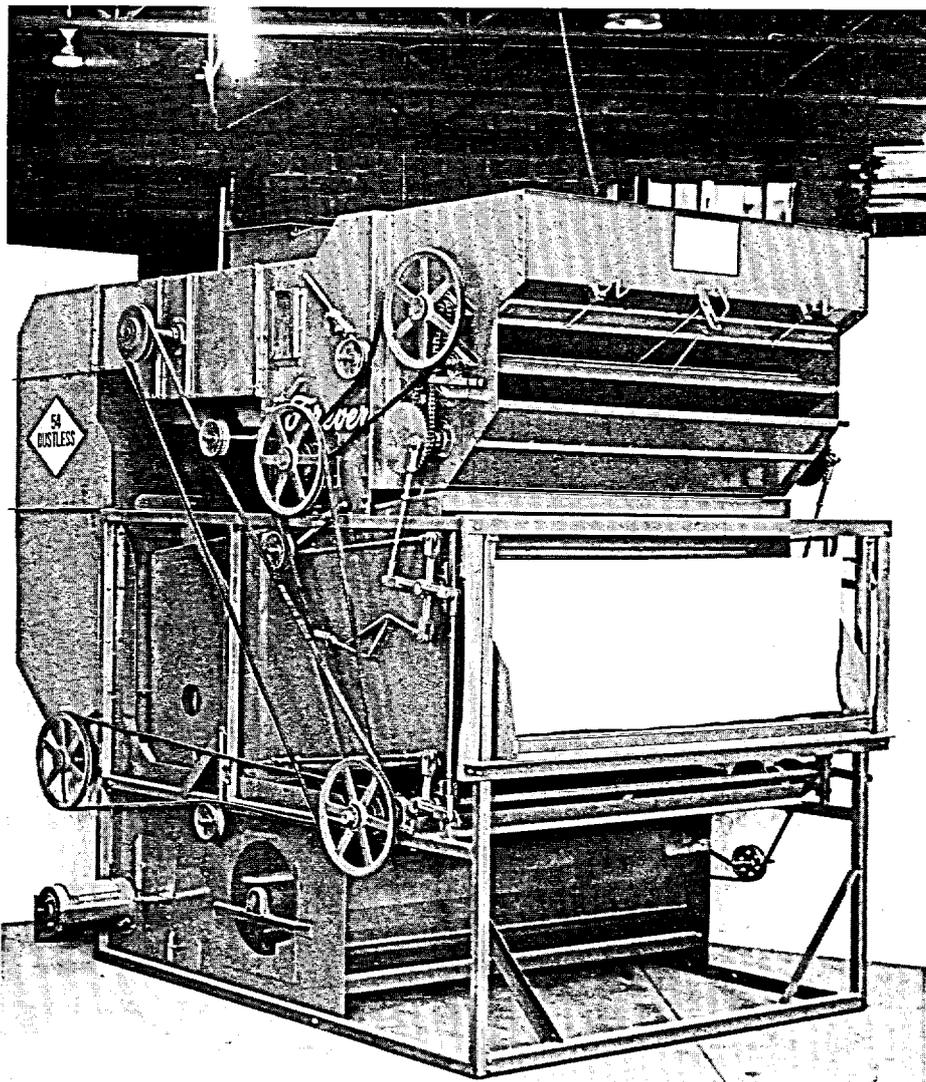
As an example of the operation of Forever cleaners, in the 137 cm (54 in.) Dustless model the force feed hopper is equipped with two feed rollers and an agitator. The agitator distributes seed in the hopper and a feed roller feeds it through the feed gate opening; the feed gate is adjustable to all varieties of seed. The seed is delivered into the suction air channel by a feed roller and a shaker spreads it over the screens.

The Forever 54 in. Dustless Grain Cleaner is quality-built to give years of cleaning with a minimum of maintenance.

The suction air channel separates seed by weight and removes inferior seeds and weeds (air screenings) which are received in a setting chamber where a suction auger moves them to the side of the machine. A vertical fan provides final grading of the seeds by weight.

Forever Industries can also provide elevator legs to remove the screenings and cleaned product.

- Forever 54 in. Dustless
Size: 137 cm (54 in.)
Weight: 1134 kg (2,500 lbs.)
Horsepower req'd. 5 H.P.
Capacity:
Seed 2909-4727 L (80-130 bu)
export 6365-7274 L (175-200 bu)
Fan height: 2.51 (99.5 in.)
Total width: 1.98 cm (78 in.)
Total length: 2.59 m (102 in.)



Frey Livestock Equipment

R.R. #1

Moorefield, Ontario

Canada N0G 2K0

Tel: (519) 638-3551

Telex: 064-73507

Contact

Mr. Keith Reid

Frey Livestock Equipment's product line, can be used by any size of livestock operation using standard and custom-designed equipment.

Livestock Scales

Frey Livestock Equipment features the Paul Livestock line of scales which offer many models, weight capacities and options. All models have a rugged steel construction, extra reinforced sides, double front gate latch, and sliding rear gate. The scale itself maintains accuracy and is simple to operate with no specific levelling required.

The Stockman 2000 Series with a capacity of 907 kg (2,000 lbs.) and a platform size of 71 cm x 213 cm (28 in. x 84 in.) handles calves, feedlot animals and some breeding stock. Also available are the Purebred 3000 Series and Workhouse 3000 Series.

Paul Livestock Scale Model #301:

Height: 249 cm (98 in.)

Width: 112 cm (44 in.)

Length: 211 cm (83 in.)

Weight: 443 kg (975 lbs.)

Squeeze Chutes

Frey squeeze chutes are designed so the bottoms pivot on two 2.2 cm (7/8 in.) pins and can be adjusted to fit the size of the cattle. The "V" shaped design of the centre squeeze lifts the animals off their feet as the pressure is applied and cuts down the animal's ability to struggle. Nine, one-inch pipes on the upper half of the centre squeeze, drop down three at a time rather than one at a time.

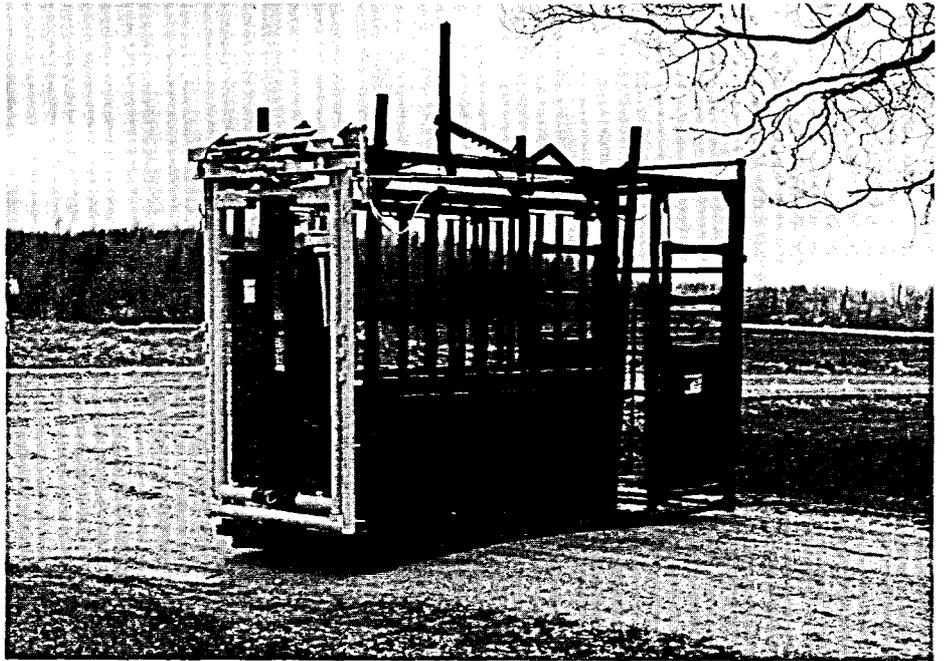
Frey #25 Squeeze Chute:

Height: 214 cm (84 in.)

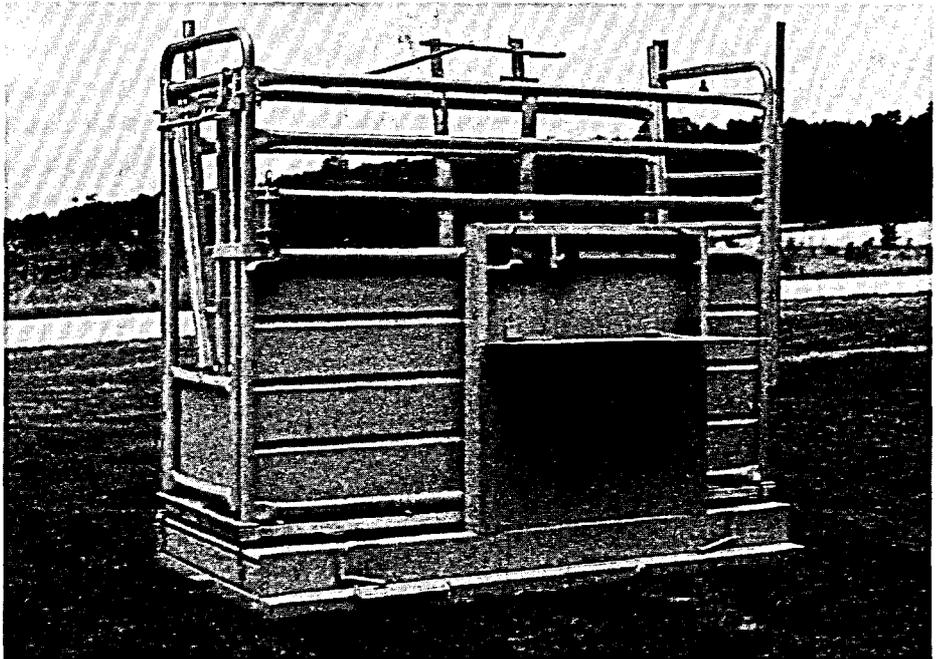
Width: 94 cm (37 in.)

Length: 295 cm (116 in.)

Weight: 523 kg (1,150 lbs.)



The Frey Squeeze Chute is designed to handle all sizes of cattle and is available with wheels for ease of transport.



The Paul Livestock Scale from Frey Livestock Equipment has a 2,000 to 6,000 lb. capacity and requires no specific levelling.

G & C Bechard
Sales and Services Ltd.
P.O. Box 28, Highway 19
Straffordville, Ontario
Canada N0J 1Y0
Tel: (519) 866-3241 Telex: 064-7180

Contact:

Mr. Gerry Bechard
President

G & C Bechard Sales and Services Limited is a wholly-owned Canadian company located in southwestern Ontario. Incorporated in 1973, the firm has expanded from 130 m² (1,400 sq. ft.) of fabricating and manufacturing facilities to more than 1115 m² (12,000 sq. ft.). An automotive and a general machine shop complement the much larger fabricating machinery.

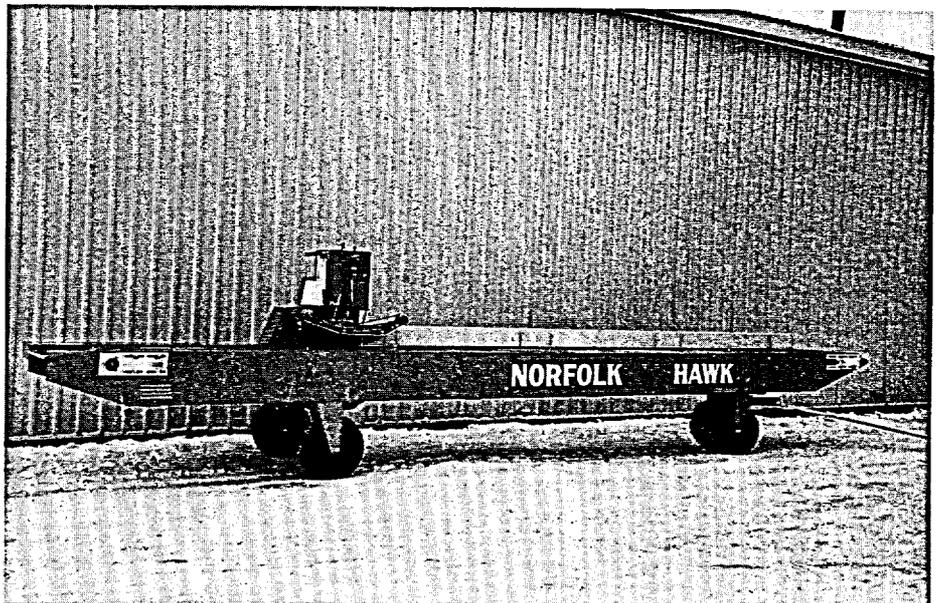
The Norfolk Hawk tobacco tying machine is in use in most parts of the world. A rotary swing needle action provides minimum stem breakage, while switching in both the down stroke and the up stroke. The Norfolk Hawk is powered by a .56 kw (¾ H.P.) electric motor or a choice of alternate power. Conveyors are industrial grade rubber belting for years of trouble-free service.

Terra-Lift rough terrain fork lift tractors, like the Norfolk Hawk, are manufactured by G & C Bechard Sales and Services Ltd. Having a lifting capacity of 1800 kg (4,000 lbs.), Terra-Lift is ideal in produce plants, fertilizer plants, seed production, sod farms, and fruit and vegetable production. Terra-Lift is powered by an air cooled gas engine. Hydrostatic drive is standard, making this fork lift ideal where there are a number of equipment operators. Options include: propane conversion, side shift carriage, loose material bucket, and diesel engine.

Sales representation is required throughout the world.

1 The Terra-Lift rough terrain fork lift tractor from G & C Bechard works both indoors and outdoors.

2 G & C Bechard markets the Norfolk Hawk tobacco tying machine that is designed to accommodate all types of tobacco and any growing conditions.



2

Green Drop Equipment Ltd.
1230 Meridian Road N.E.
Calgary, Alberta
Canada T2A 2N9
Tel: (403) 273-5352 or
1-800-661-9235

Contact:
Mr. Jake Williams
President

Green Drop has been in the fluid fertilizer business for eight years; prior to that time it had marketed dry fertilizers for eleven years. The company became interested in the fluid-banding concept in 1978 and today is totally dedicated to this practice. Green Drop has three suspension fertilizer manufacturing facilities and five retail outlets in Alberta. It has been manufacturing banding

equipment for seven years. Principal markets are in Canada and the United States.

Green Drop manufactures a patented Flow Divider with Precision Band Nozzles that assures an accurate and uniform rate to each outlet. It is available from 4 to 18 outlets, and can easily convert any ground-engaging implement into a precision-banding unit. It also makes 2 bandwagons, a 5677 L (1,000 gal.) 4 wheel pull-behind and a

3677 L (1,000 gal.) 2 wheel pull-between available with 3-point hitch or pull-through drawbar, and adjustable axles for row crop. A positive displacement pump or diaphragm pump with variable rate control are offered. These products are distributed in the US by S.C.I. Sales, Quinter, Kansas, and T.E.N. Sales, Marion, Ohio.

Green Drop Equipment's Bandwagons come with either four-wheel "pull-behind" or two-wheel "pull-between" styles available.



Hardi Inc.
477 Exeter Road
London, Ontario
Canada N6E 2Z3
Tel: (519) 685-6730
Telex: 064-7247

Contact:

Mr. Peter Clausen
President

Hardi Inc. is a young, aggressive company specializing in crop sprayers of all types from the smallest lawn and garden sprayers to equipment designed for the most demanding farm operations. The head office is located in London, Ontario with branches in four locations in the United States.

TL Trailer Sprayers

The basic TL model comes equipped with many of the same features and is built to the same tough engineering criteria as Hardi's sophisticated models. TL sprayers are available in 1135 L or 1892 L (300 or 500 US gallon) single axle, and 1892 L (500 US gallon) tandem axle models. TL models are available with 10.6, 12.8, or 13.7 m (35, 42, or 45 ft.) self-stabilizing boom (or the simpler 1.3 m (28 ft.) standard boom), and a 600, 1200, or 1301 pump — depending on the specific application requirements.

TR Trailer Sprayers

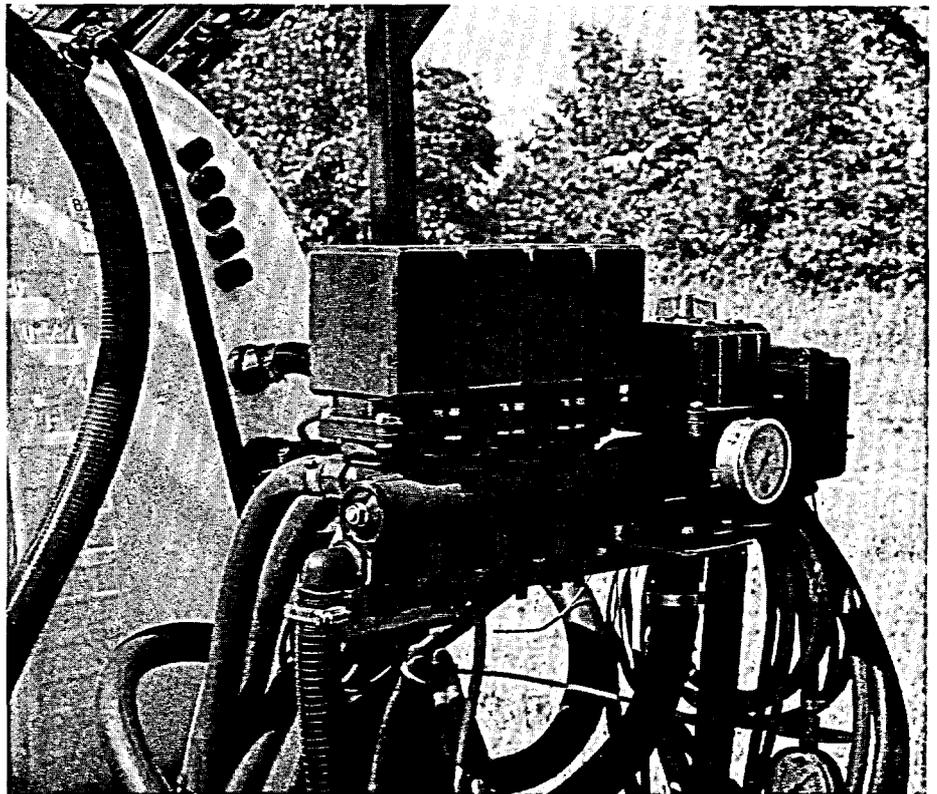
"Farmer proven" sturdy design combines with advances technology in Hardi's most popular range of sprayers. Available in 1135 and 1892 L (300 and 500 US gallon) single axle, and 1892, 3028, and 3785 L (500, 800, 1000 US gallon) tandem axle models. Choice of booms from 10.6 to 24.9 m (35 to 82 ft.). Hydraulic lift comes standard on all models.

EC Electric Remote Controls

Features main on/off, pressure filter, two accurate pressure gauges and, adjustable agitation. Includes Hardi-Matic flow proportion system, individual boom valves with constant pressure device, as well as in-cab control box and self-cleaning filter, which virtually eliminates annoying nozzle plugging.

Other Hardi products include hydraulic booms — 19 and 25 m (62 and 82 ft.) and power, truck mount, and trailer sprayers.

Hardi's trailer sprayer in the 1,892 L (500 US gallon) model has single or tandem axle, boom widths from 10.6 m to 18.3 m (35 ft. to 60 ft.) and standard hydraulic lift.



Hardi's EC Electric Remote Controls include Hardi-Matic flow proportioning system, constant pressure device for an even application rate, and self-cleaning filter.

Holland Equipment Limited
P.O. Box 339
20 Phoebe Street
Norwich, Ontario
Canada N0J 1P0
Tel: (519) 863-3414

Contact:

Mr. Paul C. Gillen
Manager of Marketing

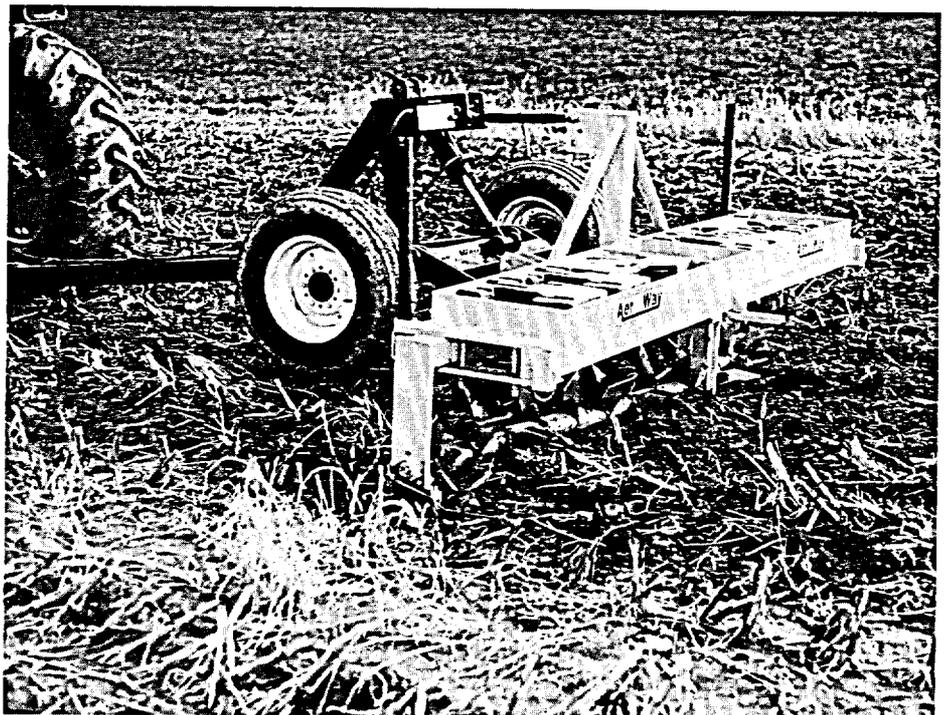
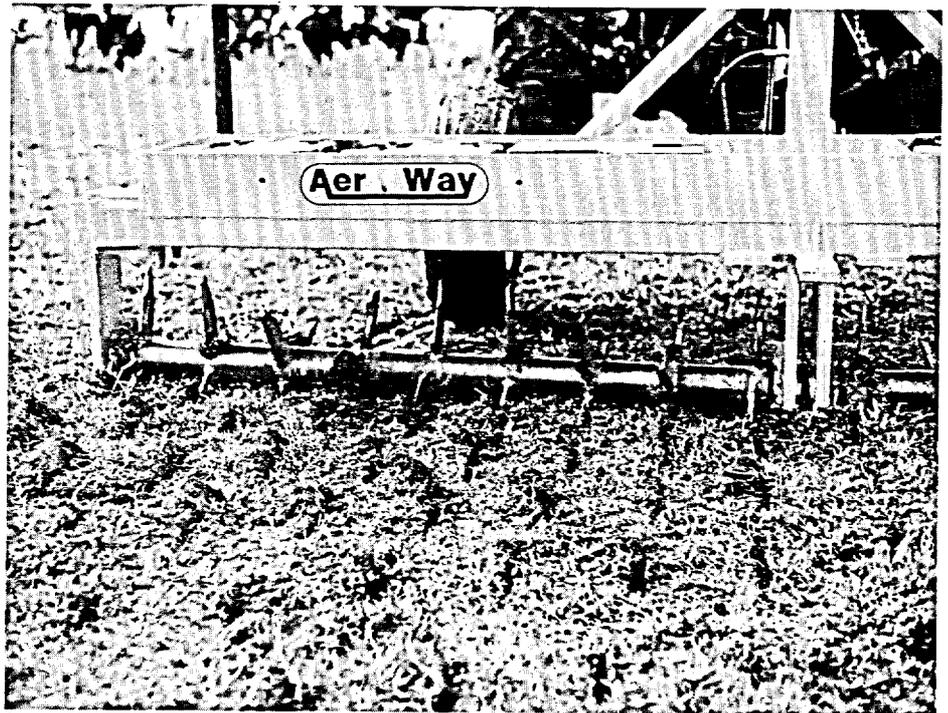
Holland Equipment Limited is a steel and aluminum designer and fabricator with a 3162 m² (34,000 square ft.) facility on 3.2 h. (8 acres) of land in Norwich, Ontario. Established in 1973, the company is active in the manufacture and marketing of trailers for a variety of uses from hauling equipment to moving vans. The Aer-Way product line was introduced five years ago and there are over 2,000 units in use today in a variety of applications from pasture renovation to turfgrass aeration.

The Aer-Way rollers are not powered (i.e. they are simply pulled over the ground). Use of the Aer-Way loosens the ground for the most efficient use of available water and fertilizer and improves the soil environment for root elongation and maximum yields. It is used in place of a plow, disc, cultivator, rotary, or packer/roller. Sizes vary from 76 cm (30 in.) to 9 m (30 ft.) wide, depending on application. Potential uses extend from field crops (hay, forage) to pasture (paddock) renovation, to vineyards (orchards), to irrigated areas, to golf courses and playing fields.

The simplicity of the patented design, the many applications, and its low cost make the Aer-Way an effective, viable alternative to any current tillage practice, specially in areas where maintenance and parts are difficult to obtain.

1 The Aer-Way from Holland Equipment is a utility implement that relieves compaction, and aerates, cultivates and renovates the soil.

2 Holland Equipment's Aer-Way can function as a rotary hoe, a disc, a roller and a harrow.



Honey Bee Manufacturing Ltd.

P.O. Box 87

Bracken, Saskatchewan

Canada S0N 0G0

Tel: (306) 293-2854

Contact:

Mr. Tim Houdestad
Office Manager

Honey Bee Manufacturing Ltd. was established in 1984. With the move towards larger farms and equipment, the company realized that a swather was needed to keep the bigger combines operating efficiently.

The Honey Bee Tractor Mount swather is built in 12.8 and 15.2 m (42 and 50 ft.) sizes, and the self-propelled model in 19.2, 21.6 and 22.8 m (63, 71, and 75 ft.). Both the tractor mount and the self-propelled models can be easily transported and work very well in hills.

Maxi Bee swathers (self-propelled models)

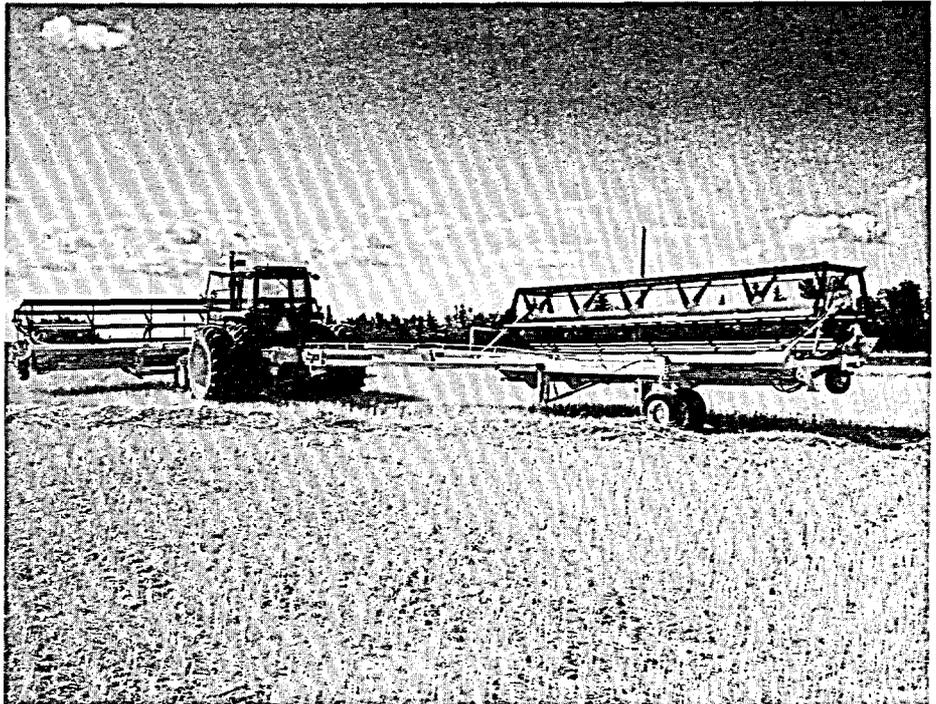
- Available in 19.2 m, 21.6 m, and 22.8 m (63, 71, and 75 ft.);
- lays a single, double or triple swath to match any size combine;
- hydrostatic ground drive for smooth variable speed operation;
- water cooled diesel engine.

Big Bee swathers (tractor mount models)

- Available in 12.8 m and 15.2 m (42 and 50 ft.);
- new frame design provides good weight distribution and transport system;
- universal mount fits most 2 wheel drive and 4 wheel drive tractors and can be put on or taken off the tractor in a matter of minutes;
- lays a single swath, two swaths side by side or two separate swaths. The swath sheds moisture very well and is easy to pick up.

1 Honey Bee's 50-ft. tractor mount swather is easily transported.

2 The Honey Bee 71-ft. self-propelled swather is field-proven in tough prairie conditions.



2

Howard Concave Corp.
P.O. Box 2048
Rosetown, Saskatchewan
Canada S0L 2V0
Tel: (306) 882-2579

Contact:

Mr. John Howard
Secretary Treasurer

Howard Industries, the parent company of Howard Concave Corp. remanufactured the Howard Concave for eight years. In 1984 the new company Howard Concave Corp. was formed to manufacture the Howard Axial Flow Concave for Case International 1460 and 1480 rotor combines and the remanufactured Howard Ultra Concave for 51 conventional type model combines. The company services the Canadian and Western United States markets.

Howard Ultra Concaves

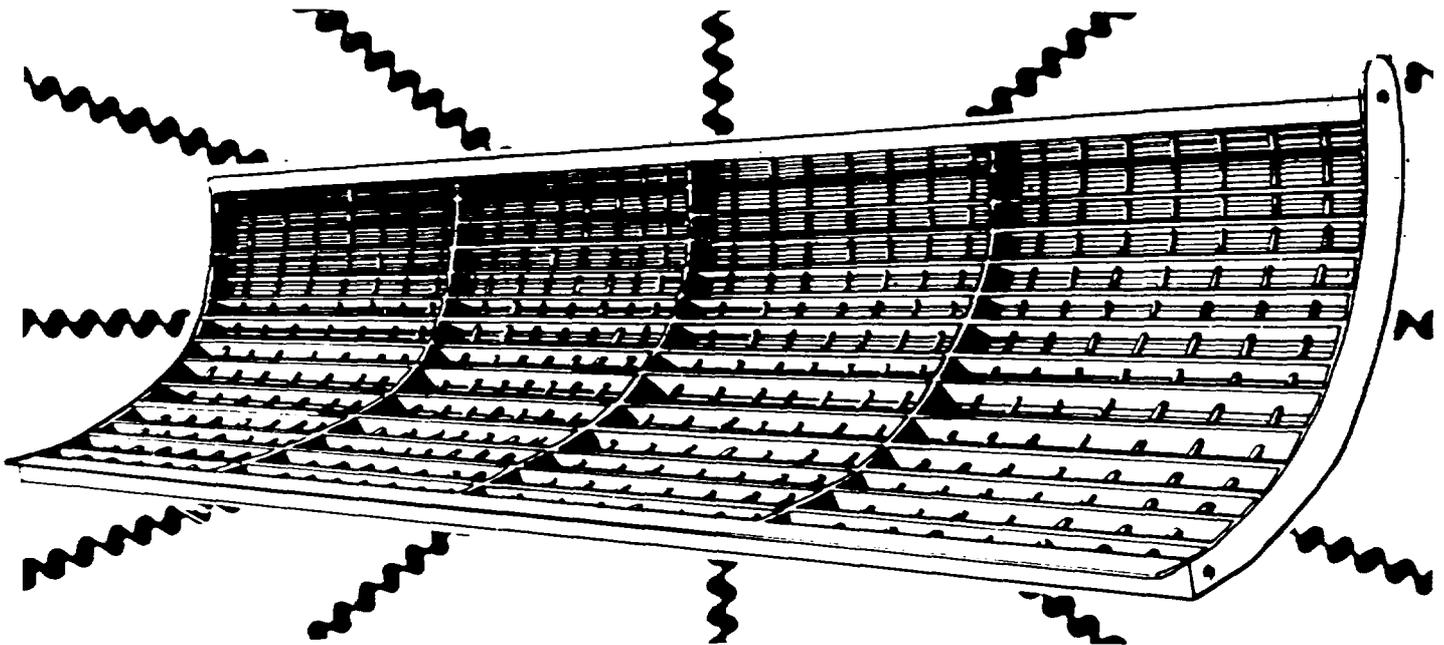
The Howard Ultra Concaves are line bored for perfect fit to the diameter of the cylinder of each given mode. Reinforcement is added to certain models for added strength to prevent warp.

The horizontal threshing bars have been increased in height to 2.42 cm² or 0.95 cm × 1.1 cm (3/8 in. × 7/16 in.) which increases the threshing capacity. These bars are of 41-40 high alloy self-hardening steel so that the concave stays sharper longer. The cylinder speed is reduced to 700 to 800 rpm depending on conditions.

Howard Axial Flow Concave

The Howard Axial Flow Concave is of heavier construction, higher bars, different wire width combinations and more adjustable than the original. This design gives increased threshing surface, increased capacity and reduced rotor speed which results in greatly improved threshing.

The Howard Ultra Concaves increase combine speed and reduce overload of sieves and returns.



Husky Farm Equipment Limited
Alma, Ontario
Canada N0B 1A0
Tel: (519) 846-5329

Contact:

Mr. Raymond Grose
President

Husky Farm Equipment Limited is a private company established in 1959 and incorporated in 1966. The firm was started, then, as a sideline to a farming operation producing needed farm equipment.

Husky now has approximately 2976 m² (32,000 sq. ft.) of manufacturing and storage floor space and a staff of 30 people. It has opened a sales branch in the United States in Wisconsin and markets its products throughout Canada and the United States (mainly in areas populated with livestock).

Husky's product lines include liquid manure pumps and agitators; liquid manure spreaders, barn cleaners, and snow-blowers. The manure pumps are supplied in four models. They require anywhere between 3.73 and 111.9 kW (5 and 150 H.P.) and are used for agitating as well as pumping liquid manure. The liquid manure spreaders come in four models; ranging in size from 4500 L (1,000 Imp. gallons) to 18,000 L (4,000 Imp. gallons). They are designed for farm tractor use or truck mounted models.

Husky manufactures a barn gutter cleaner and specializes in replacement chain for all types of gutter cleaners. Husky also supplies snow blowers, in four sizes, for farm tractors. Husky puts special efforts into rugged and durable design and quality.

1 Husky carries a large inventory of finished goods that are produced in its modern factory.

2 The Husky 14,000 L Vacuum Manure Spreader carries a five-year axle and structure warranty and is rust-protected inside and out.



2

IPL Inc.
160, St-Damien
Comté Bellechasse, Québec
Canada G0R 2Y0
Tel: (418) 789-2880
Telex: 051-3973

Contact:

Mr. Donald Lachance
Directeur, Section Érable

Les Industries Provinciales Ltée was founded in 1939 and incorporated in 1945 under the name Les Entreprises Provinciales Ltée. The name was changed again in 1984, to become IPL Inc.

Initially, IPL specialized in the manufacture of brooms and brushes for industrial and domestic use. In 1952, wishing to diversify and expand its market share, IPL began manufacturing plastic products. Plastic, a relatively new product at that time, allowed IPL to innovate and pioneer in the following areas: packaging, maple sap collection, materials handling, and consumer products. IPL Inc. now manufactures over 500 plastic products, all by injection and extrusion moulding. They fall into the following three broad categories: industrial products (90% business volume), maple products (6% business volume), consumer products (4% business volume).

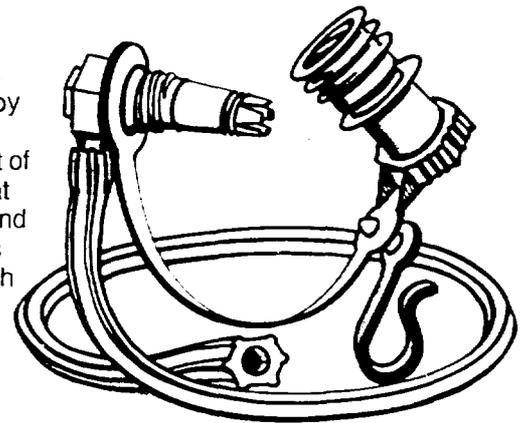
The company's distribution network includes sales offices in Moncton, Montreal, Toronto, and Boston; as well as warehouses strategically located for each market area.

Today, the IPL Inc. is recognized as a leading Canadian manufacturer of injection moulded plastic products. Its markets include the agriculture and food products, construction, chemical products, forestry, petrochemical and automotive industries. IPL's strict quality control and use of statistical product quality controls methods (SPC) have earned it the prestigious Q-1 award of Ford Motors in Detroit, in recognition of its products' high standards of quality.

IPL manufactures a wide range of packaging products for industrial use.

IPL's Vacuum Tubing System, for maple bush operators, offers the possibility of reducing manpower costs by 60 per cent, increasing yield by 80 per cent, and augmenting product quality. This system has been extensively tested by IPL and the Quebec Department of Agriculture, and Quebec Department of Lands and Forests. It is estimated that more than 25 per cent of Canadian and 5 per cent of American sugar bushes are equipped with this system in North America.

Increases of up to 150 per cent have been experienced with the change from traditional methods to the use of IPL's Vacuum Tubing System for maple syrup production.

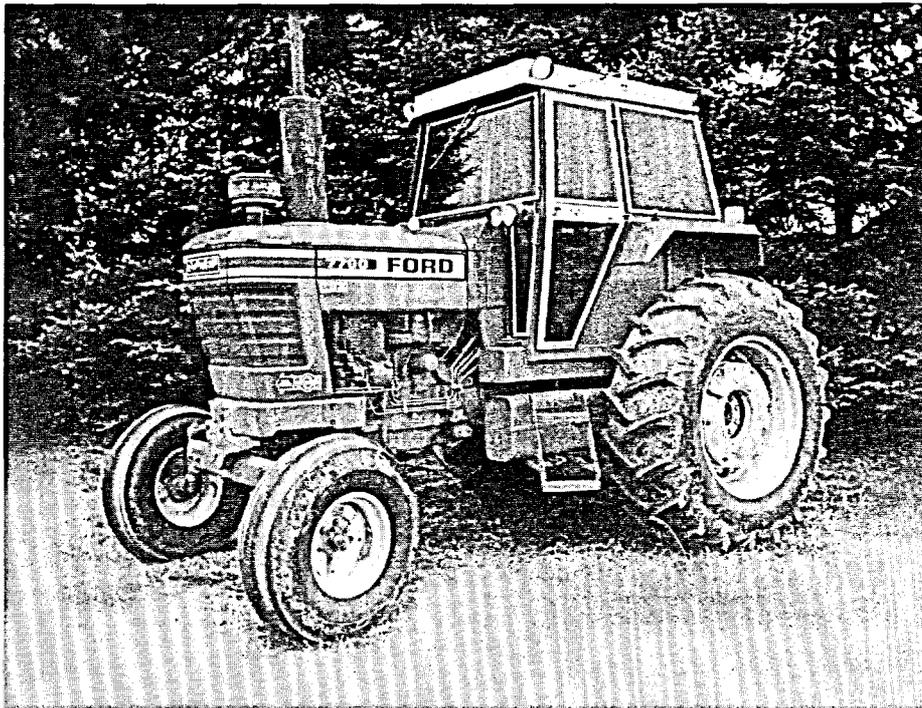


Jodale-Perry Corporation
P.O. Box 900
Winkler, Manitoba
Canada R0G 2X0
Tel: (204) 325-8118 or (204) 325-8061

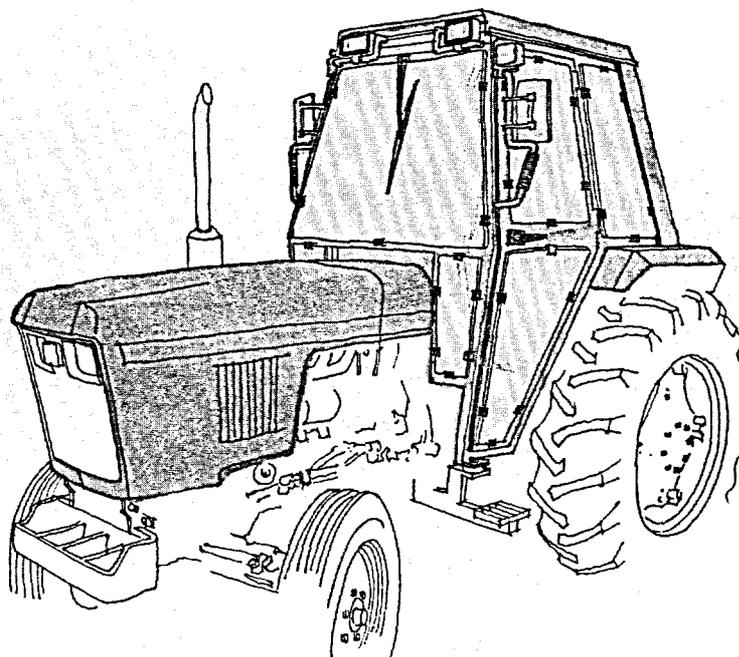
Contact:
Mr. R.V. Angers
Sales and Marketing Manager

Prairie Cab began manufacturing rugged, economical cabs for windrowers, combines, and tractors for the Western Canadian farmer in 1966. As the years passed and markets broadened, the company was incorporated, received the award of merit from the Manitoba Design Institute, put its cabs through roll over protection (ROPS) testing, and entered the original equipment manufacturers' market. The company is now represented from coast to coast in Canada and is looking to other markets under its new name, the Jodale-Perry Corporation (JDP).

The key products manufactured are Retrofit Cabs for off-road vehicles; primarily in the agricultural and consumer products fields. Some industrial cab production has been done but mostly in the specialized design area. The company maintains in its files over 600 blueprints for makes and models of tractors, etc., and is constantly updating its files with new models. Recent years have indicated a movement toward smaller imported units and JDP has responded by designing attractive, reasonably priced cabs for this new market as well as Roll Guard (ROPS) Canopies and air conditioning units.



1



1 Jodale-Perry's Mark V ROPS tractor cab is designed for tractors of higher than 40 H.P. and has roll over protection.

2 The prototype 1987 cab from Jodale-Perry fits all tractor models regardless of horsepower.

2

John Deere Welland Works
of John Deere Limited
Welland, Ontario
Canada L3B 3N3
Tel: (416) 734-4501

Contact:
Mr. S. R. Hiseler
General Manager

John Deere Welland Works is one of 17 Deere & Company agricultural factories located throughout the world. Each has specific product lines, with the Welland Works primarily responsible for agricultural material-handling equipment. Products are distributed and marketed worldwide.

Equipment manufactured in the Welland factory includes loaders, spreaders, rotary cutters, forage boxes, disk harrows, wagon gear, rear scraper blades and snow-blowers. Nine loader models are built by John Deere. Advanced features include self-levelling buckets, quick attach attachments and quick attach/detach parking systems.

The spreader line has four models — two chain type and two hydraulic. The hydraulic spreaders — Hydra-Push™ — are unique and offer customers advantages such as long life, low maintenance and minimal cleanout when used in cold weather applications.

A full line of economy, utility and heavy duty rotary cutters come in cutting width sizes of 1.52 m to 4.57 m (5 to 15 ft.). John Deere forage boxes feature steel sides and frames for strength and corrosion resistant sides for long life.

Other products manufactured in Welland include four models of snow-blowers, two models of disk harrows ranging from 2.1 m (6 ft. 11 in.) to 4.78 m (15 ft. 8 in.), four models of wagon gear ranging in sizes from 4.5 t (5 tons) to 10.8 t (12 tons), and five rear blades for tractors in the 30-134 kW (40-180 H.P.) range.

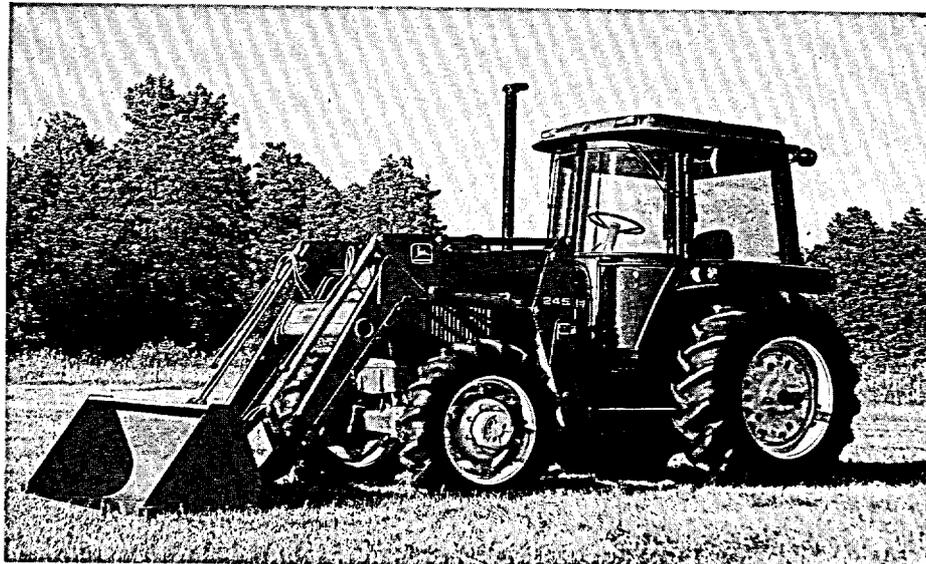
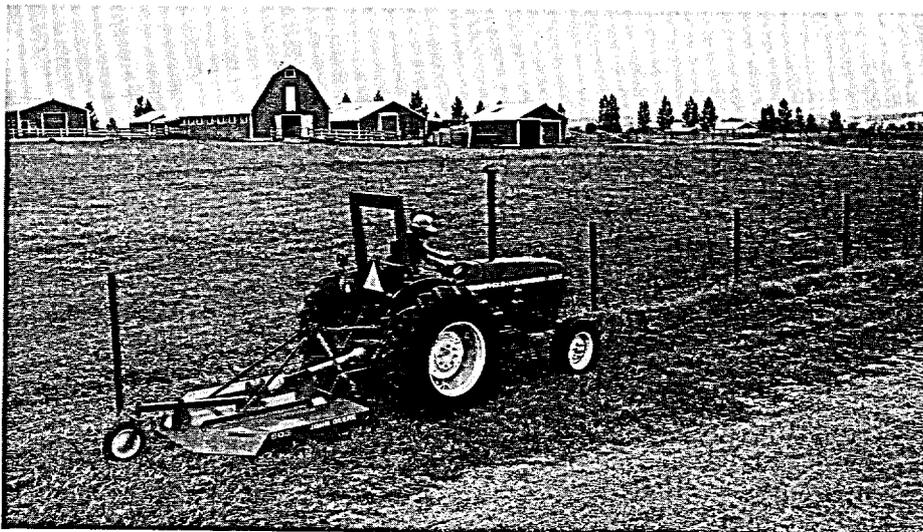
John Deere 503 Light Duty Rotary Cutter

Cutting width: 1.52 m (5 ft.)
Overall width: 1574 mm (62 in.)
Overall length: 2400 mm (94.5 in.)
Body depth: 180 mm (7 in.)
Cutting height: 25 to 250 mm (1 to 10 in.)
Base weight: 231 kg (510 lbs.)
Blade tip speed: 262 km/h (163 mph)

Integral hitch: Category I
Minimum PTO Horsepower:
13.5 kW (18 H.P.)
PTO required: 540 rpm

1 *The John Deere 503 Light Duty Rotary Cutter is efficient, rugged and reliable.*

2 *The John Deere 245 Loader has advanced features such as single-lever control and self-levelling buckets.*



KEHO Alta Products Ltd.

P.O. Box 70

Barons, Alberta

Canada T0L 0G0

Tel: (403) 757-2444

Telex: 038-49396

Contact:

Mr. Roy Gullickson
President

The first KEHO company was incorporated in 1978. At that time, it was a part-time operation carried out on a farm. At present, KEHO employs approximately 40 people and has 1860 m² (20,000 sq. ft.) of space. The company's major objective is to develop, manufacture and market innovative products for progressive farmers.

KEHO Natural Air Drying/Aeration Systems: The Hi-Flow Blowers are made with backward curve centrifugal wheels which provide high pressure, high volume airflow for proper natural air drying (or aeration) of grains and oilseeds.

Natural Air Drying/Aeration Systems Blowers:

0.75, 1.49, 2.23, 3.73, and 5.59 kW
(1, 2, 3, 5 and 7.5 H.P.)

Duct systems:

38.1 and 60.96 cm (15 and 24 in.),
18-gauge steel, special louvre perforations for reduced kernel blockage

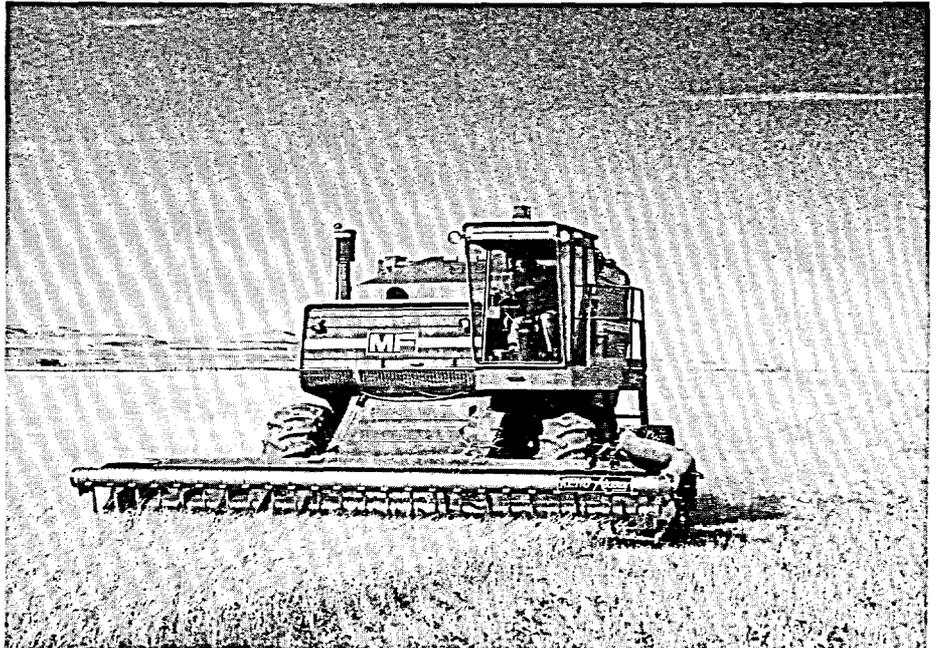
Floor systems:

Fully perforated and partially perforated flush floor systems

Steel Hopper Bottom Bin Systems:

Specially designed duct systems for steel hopper bottom bins, completely self-cleaning

Specific advantages of Natural Air Drying/Aeration systems for farmers are the possibility of better grades for grain, a greater percentage of grain germination, the possibility of fewer field operations therefore a cost savings, and starting and finishing harvest earlier.



The Airway Pneumatic Header Attachment from KEHO enables farmers to save up to 3 bu. per acre of crop.



The KEHO Natural Air Drying/Aeration System with 3 H.P. Hi-Flow Blower dries 3000 bu. of 18-per-cent moisture wheat.

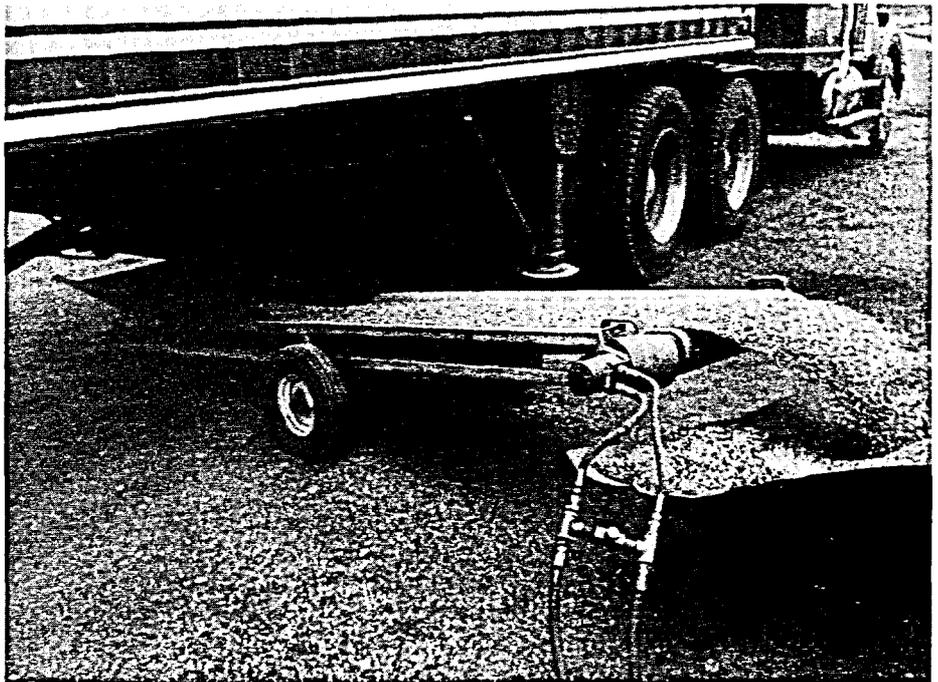
KSL Industries Ltd.
211B, 47th Street E.
Saskatoon, Saskatchewan
Canada S7K 5H1
Tel: (306) 652-5575 or 934-6085

Contact:

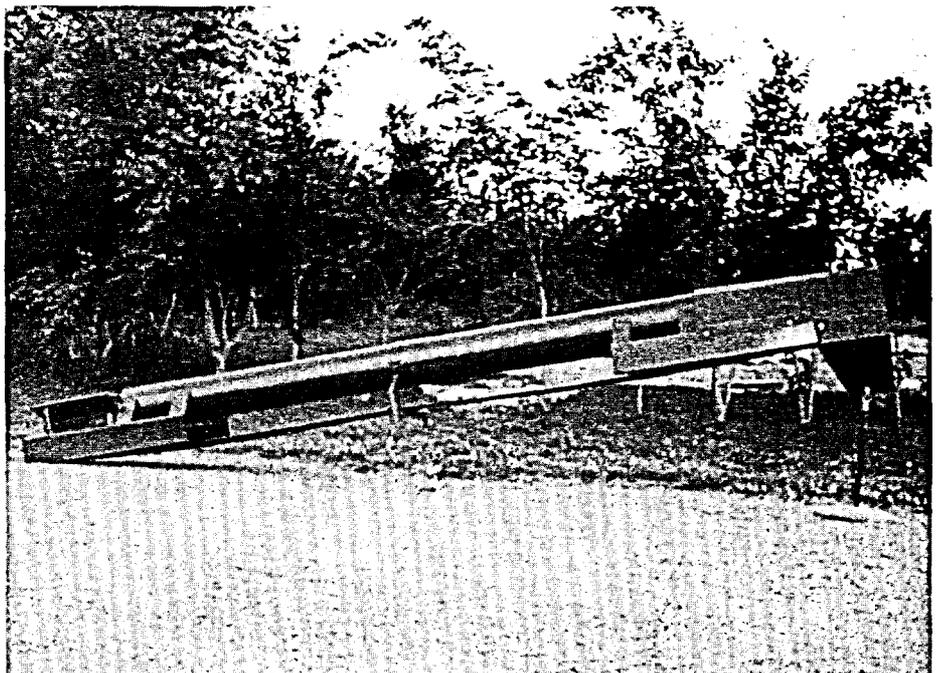
Mr. Duayne J. Leys
Sales and Marketing

KSL Industries Ltd. manufactures stock and custom conveyor systems. The company started from a small venture, building conveyors for farm neighbours, which were used to handle commodities such as seed grains, feeds, fertilizers and cash crops.

The company can also design a tube conveyor around an existing system. The conveyors are self-cleaning, which is something seed plants recognize as an advantage. KSL conveyors are available in various sizes and lengths, from 2.43 to 22.86 m (8 to 75 ft.). The company is also testing conveyors for commodities handling.



1



2

1 KSL Industries' 8-ft. transfer conveyor operates smoothly, efficiently and quietly.

2 The 10-in. diameter, 16-ft. long tube conveyor from KSL Industries is easily adapted to any power source (electric, gasoline, hydraulic).

Kello-Bilt Industries Ltd.

P.O. Box 1119

Stettler, Alberta

Canada T0C 2L0

Tel: (403) 742-3663

Contact:

Mr. Hugh Kellough
President

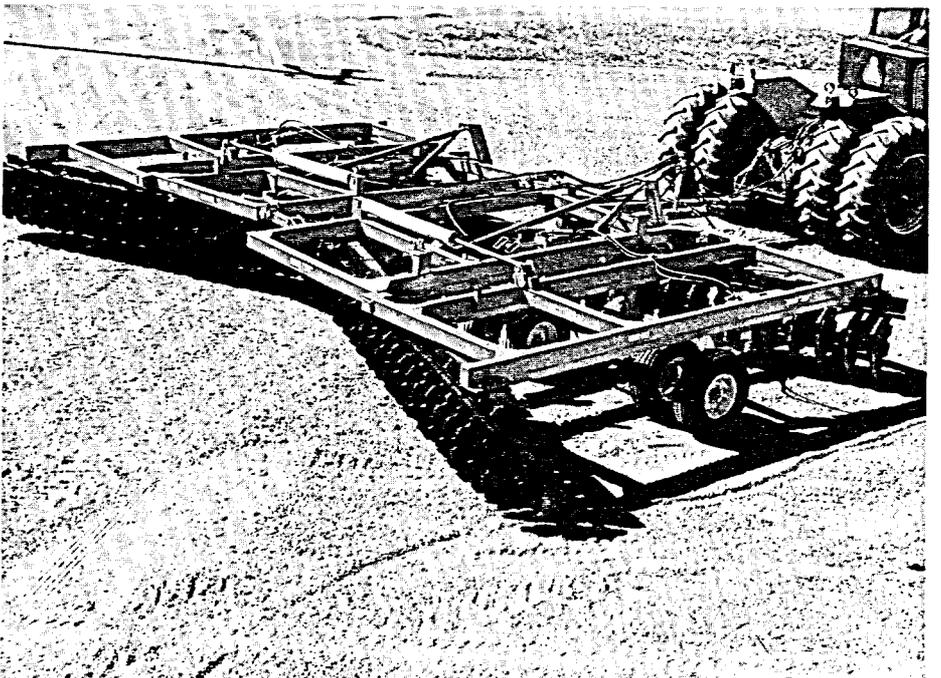
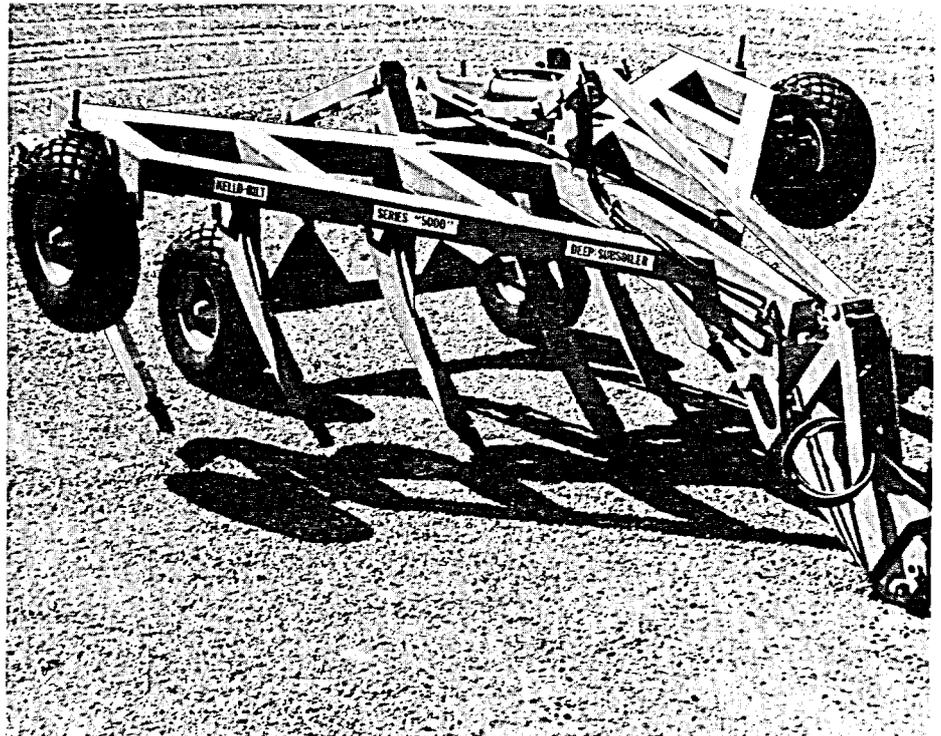
Kello-Bilt Industries Ltd. was incorporated in 1978 to distribute Kello-Bilt offset and tandem breaking disc plows and deep tillage subsoilers in Western Canada. In the last two years it has expanded its disc distribution to Australia.

Kello-Bilt offset breaking disc plows are engineered and designed for primary breaking of virgin and freshly cleared land, as well as for soil stabilization and aeration on road and dam site construction. The medium weight tandem discs are designed for the toughest conditions of heavy stubble crops, they are also ideal for chemical incorporation with maximum flexibility to follow uneven land contours, leaving the fields very level.

Kello-Bilt discs are manufactured from heavy square and rectangular tube steel, alloy gang shafts and steel bell tension spacer spools. A specially designed oil bath tapered roller bearing system floating 90 weight lubrication and sealed with duo-cone seals give the Kello-Bilt discs an extremely long and durable life. The disc blades are manufactured from quality high-carbon heat treated steel with maximum concavity and deep notches for maximum penetration. The Kello-Bilt offset and tandem disc plows range from 2.4 m (8 ft.) to 12.2 m (40 ft.) in width yet retaining maximum flexibility.

1 The Kello-Bilt Series 5000 Model 730 subsoiler is designed for rugged durability after field-testing in clay hardpan soils.

2 The Series 225 D.O.W. Flexible Tandem Wing Disc from Kello-Bilt is engineered for more production, longer life and maximum flexibility in the toughest conditions.



2

Kenhar Products Inc.
P.O. Box 1508
Guelph, Ontario
Canada N1H 6N9
Tel: (519) 836-2151

Contact:

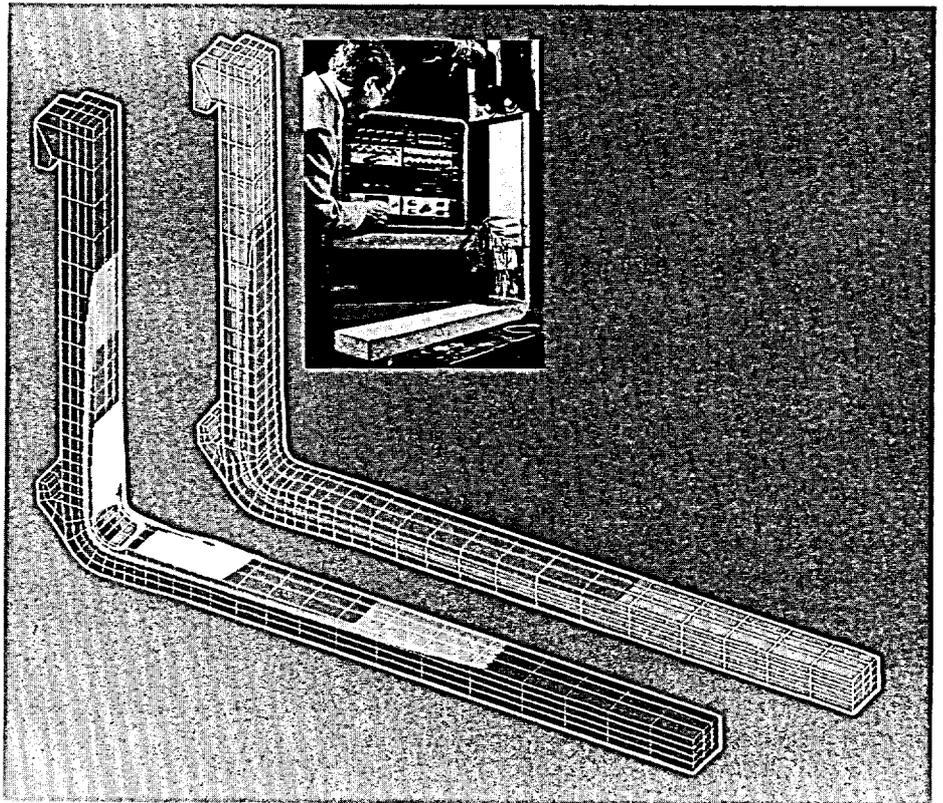
Mr. Ron Varilek
Marketing Manager

Kenhar Products Inc. was incorporated under the present ownership in 1975 with the purchase of the assets of a company that was in the fork manufacturing business for 10 years. Its main market was Canada. Kenhar immediately embarked on an export program selling directly to material handling dealers, and later expanded to dealers in the construction business.

Through the acquisition of an original equipment manufacturer's (OEM) fork-manufacturing facility, Kenhar expanded its capabilities to supplying forks to all major North American OEMs in sizes ranging from 2.54 cm (1 in.) thick to 15.24 cm (6 in.), and in widths up to 50.8 cm (20 in.) with capacities ranging to 40,823.2 kg (90,000 lbs.)

Kenhar's patented fork-making process is now used throughout the world and the company has expanded its facilities to the United Kingdom for manufacturing and marketing, as well as a major distribution centre in Chicago, Illinois, in the United States.

Kenhar Products Inc. is interested in distribution in other countries, as well as manufacturing arrangements in Asia.



Kenhar uses up-to-date technology to produce forks for North American equipment manufacturers and for material handling dealers.

Ketchum Manufacturing Sales Limited

396 Berkley Avenue

Ottawa, Ontario

Canada K2A 2G6

Tel: (613) 722-3451

Telex: 053-3511

Contact:

Mr. Claude Lalonde
General Manager

Ketchum Manufacturing Sales Limited, established in 1913, primarily manufactures identification equipment for the livestock, poultry and meat packing industry.

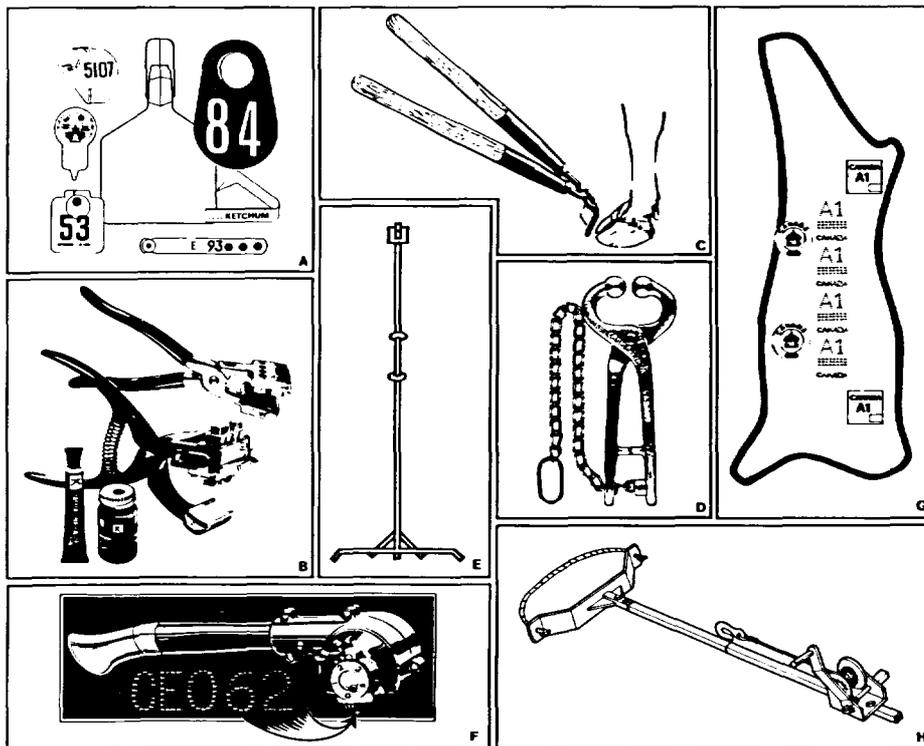
It produces a variety of tags including: cattle neck tags in coloured nylon or brass; T-bar ear tags in flexible plastic, Visa and Kurl Lock ear tags; dressed poultry grade tags, and aluminum leg bands. Attachment tools and pliers for the tags are also available from the company.

Ketchum produces eight types of tattoo pliers for marking the ears of animals, and also manufactures green and black tattoo ink, and green tattoo paste. The rotary hog shoulder tattoo machine, when used in conjunction with Ketchum's B7 ink on a live hog, will leave a visible mark on the carcass. The company also makes stamps and rollers used in the marking of meat carcasses in Canada, and produces a variety of "food approved" meat marking inks.

The company's feed cart has a hopper of tough, food grade polyethylene completely resistant to moisture, ensilage acids, and feed additives. It will never rust, rot, corrode or crack. The welded steel tubing frame provides maximum strength with minimum weight. The cart is equipped with dumping handles and a pulling handle to spread feed. The wheels are disc type with regreasable bearings; tires are 4 x 8 fully pneumatic tubeless. Swivel caster wheel with roller and ball bearings, and axle may be interchanged and mounted at either end of the frame. Hopper dimensions are 137 cm (54 in.) long, 70 cm (27½ in.) wide, 58 cm (23 in.) deep; heaped capacity of 4 hectolitres (12 Imperial bushels).

Other company products include a long-handled cattle and horse hoof trimmer, a poultry breast angle meter, and an electric cow trainer. Ketchum's catalogue of more than 1,500 products is available on request.

Identification equipment from Ketchum Manufacturing ranges from tags and tattoo pliers through hoof trimmers and electric cow trainers to stamps and rollers.



L.H. Resource Management Inc.
R.R. #1
Walton, Ontario
Canada N0K 1Z0
Tel: (519) 887-9378

Contact:
Mr. Chris Lee
General Manager

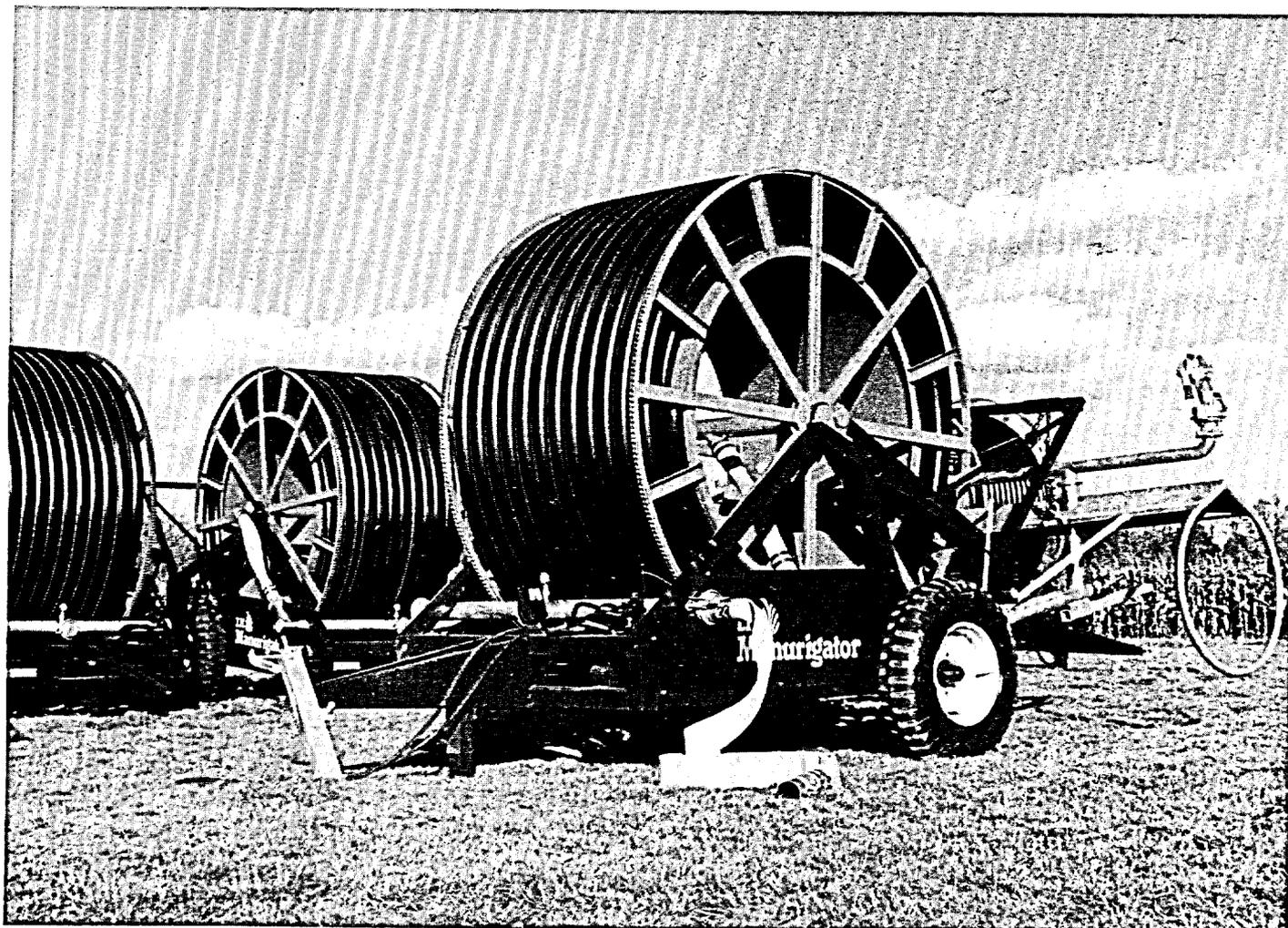
L.H. Resource Management Inc. has been in the business of handling liquid waste and land application since 1979. Incorporated in 1983, it now manufactures and distributes manure irrigation equipment. An integrated computer control system backs up a dedicated group of creative professionals.

LH Manurigator (Hard Hose Manurigation Reel)

This is a travelling gun system designed specifically for the irrigation of liquid waste. Up to 366 m (1200 ft.) of flexible hard plastic pipe is coiled and uncoiled on each 91 m (300 ft.) application strip. Up to 136 m³/h (30,000 Imperial gallons per hour) is applied on land with no compaction.

The LH Manurigator is particularly well suited for applying large volumes of liquid waste in soft soil conditions while causing minimal soil damage.

The LH Manurigator replaces expensive chemical fertilizer with the manure produced by livestock to provide cost and energy savings.



Labtronics
168-167 Lombard Avenue
Winnipeg, Manitoba
Canada R3B 0T6
Tel: (204) 943-6037
Telex: 075-8711

Contact:

Mr. Dwight McRae
Vice President

Labtronics Manufacturing has been in the grain moisture industry for 12 years. In 1976 Halross Instruments Corp. was formed when the rights to the 919 grain moisture meter were purchased. The company is still today better known as Labtronics.

The Labtronics Model 919, the company's main product is used by foreign governments (Mexico, the People's Republic of China, and Czechoslovakia), grain companies and elevators in Canada, as well as becoming commonplace among every day farmers. The 919 provides the most accurate grain moisture testing available to date. With modifications made by Labtronics, since purchasing the rights to the product, it is now made without tubes, making it easily portable (with even a solar pack available). Labtronics' other available products are a grain sampler probe as well as a grain temperature probe.

Labtronics Model 919

Electrical requirements:

110 volts AC or 220 volts AC
and/or 6 volts DC

Height: 210 mm (8 in.)

Width: 280 mm (10 in.)

Depth: 270 mm (9 in.)

Total weight (including scale):
7.9 kg (16 lbs.)

Principle of operation: Capacitance

Commodities that can be tested:

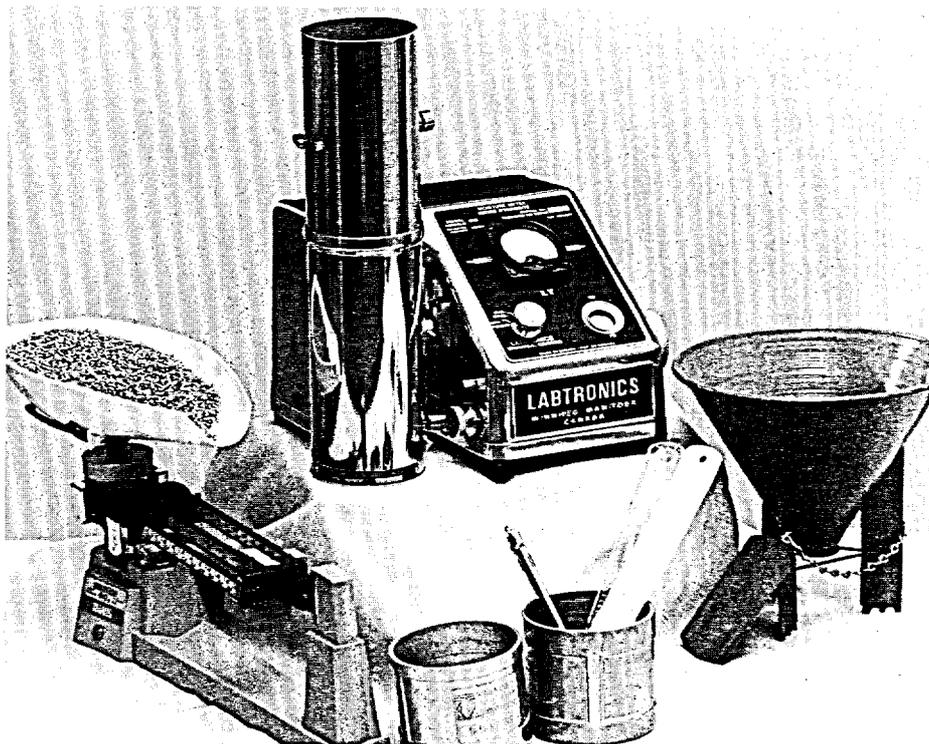
any commodity presently grown.

Standard equipment:

scale, thermometer and book of
base charts

Optional equipment (for more precise
measurement):

Cox funnel, striker, 1/2 L, rapekit,
and various sieves.



Labtronics offers the Model 919 moisture meter, scale/balance, 1/2 L measure, pint measure, thermometer, rapeseed kit and cox funnel, all required for moisture and weight determination.



Labtronics' Model 919 grain moisture meter with patented "cone" cell.

La Compagnie Normand Limitée

(Normand Co. Ltd.)

340, 12^e rue

St-Pascal, (Kamouraska)

Québec

Canada G0L 3Y0 Tel: (418) 492-2712

Contact

Mr. Victor Normand
Director General

Backed by over a century of experience, Normand Co. Ltd. is a leading manufacturer of farm wagons in Quebec. More than 15 models are available, from 4 to 15 tonnes, to satisfy the needs of modern farmers.

The short turning radius of the steering gear is unique and has contributed to Normand wagons' excellent reputation. The use of brass bushings renders the wagon virtually maintenance-free, providing durability and a good performance on the road as well as in the field (no sway).

Normand Co. Ltd. also manufactures a good range of implement products,

including dump trailers, hay bale racks, feeder racks and airport baggage carts.

Dump trailer

The company offers two different dump trailers equipped with hydraulic cylinders, model 1980, 2.13 × 3.65 m (7 ft. × 12 ft.) and model 1970, 1.52 × 3.04 m (5 ft. × 10 ft.). A grain box model 70 has been designed to fit the model 1970 with a capacity of 8,728.5 L (240 bushels).

Hay bale racks

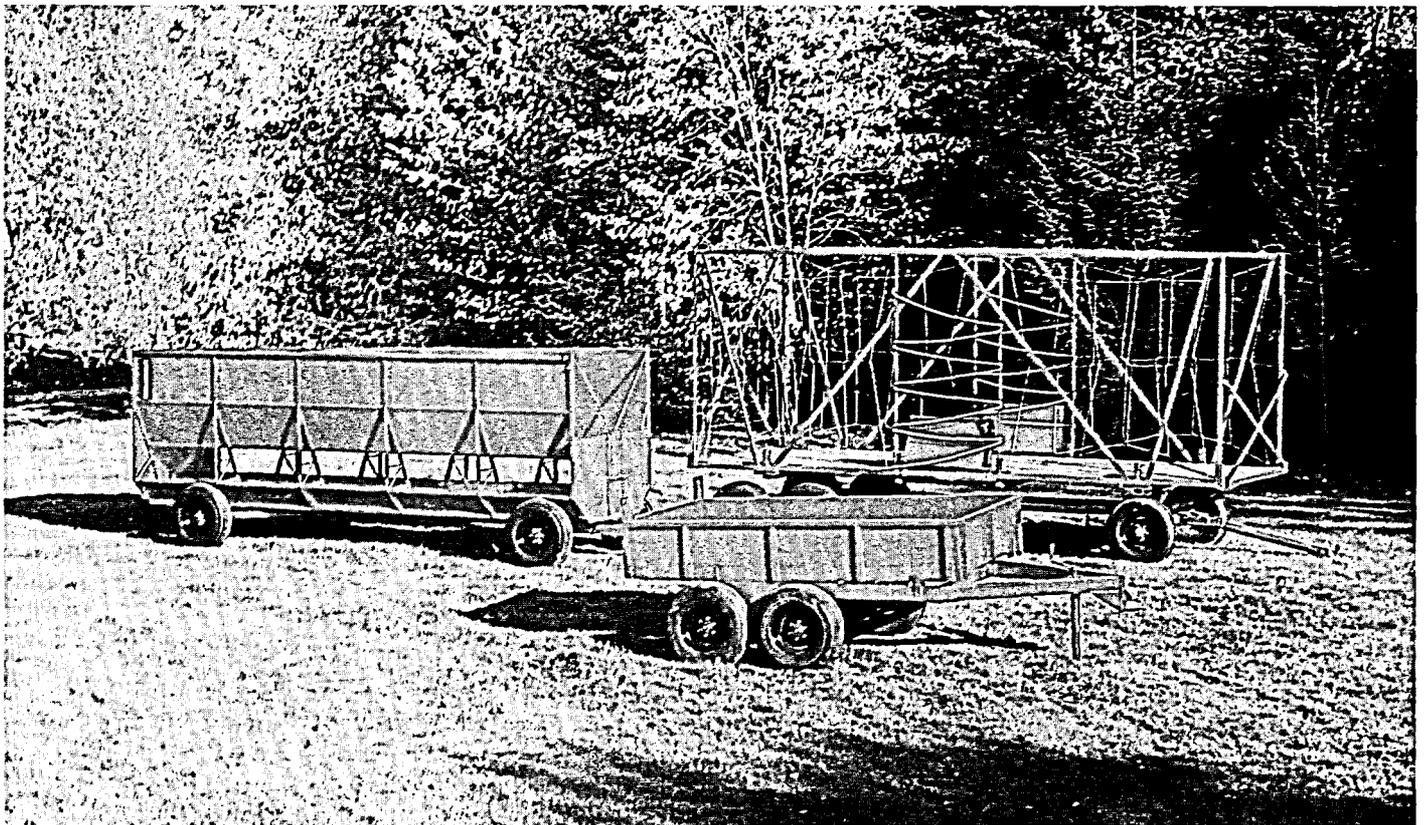
The Norman hay bale racks are known for their solidity and lightness, with monocoque frame and folding sides. Available in models of 6.09 m and 7.3 m (20 and 24 ft.).

Feeder racks

Designed to control feeding quality and to increase production, the Norman feeder racks are functional, useful, and collapsible. Shipping costs are reduced considerably by shipping racks semi-assembled.

One of the first manufacturers to design and produce farm wagons, Norman Co. Ltd. has gained the reputation of providing high quality products and unparalleled service.

La Compagnie Normand manufactures farm wagons in many models, as well as feeder racks, hay bale racks and dump trailers.



Lanark Equipment Ltd.
Pakenham, Ontario
Canada K0A 2X0
Tel: (613) 624-5393
Telex: 053-3949

Contact:
Mr. Dan Meloche
President

Lanark Equipment Importers Ltd. was incorporated in 1983, but was in business six years previously as an unincorporated entity. The company's main product, farm wagons, are sold in Ontario, Quebec, New York, Vermont and Michigan. The chassis portion of the wagon is manufactured in southwestern Ontario to the highest standards of quality and workmanship.

The line of wagons range in sizes of 5.4, 7.2, 9.1, 10.9 and 12.7 t (6, 8, 10, 12 and

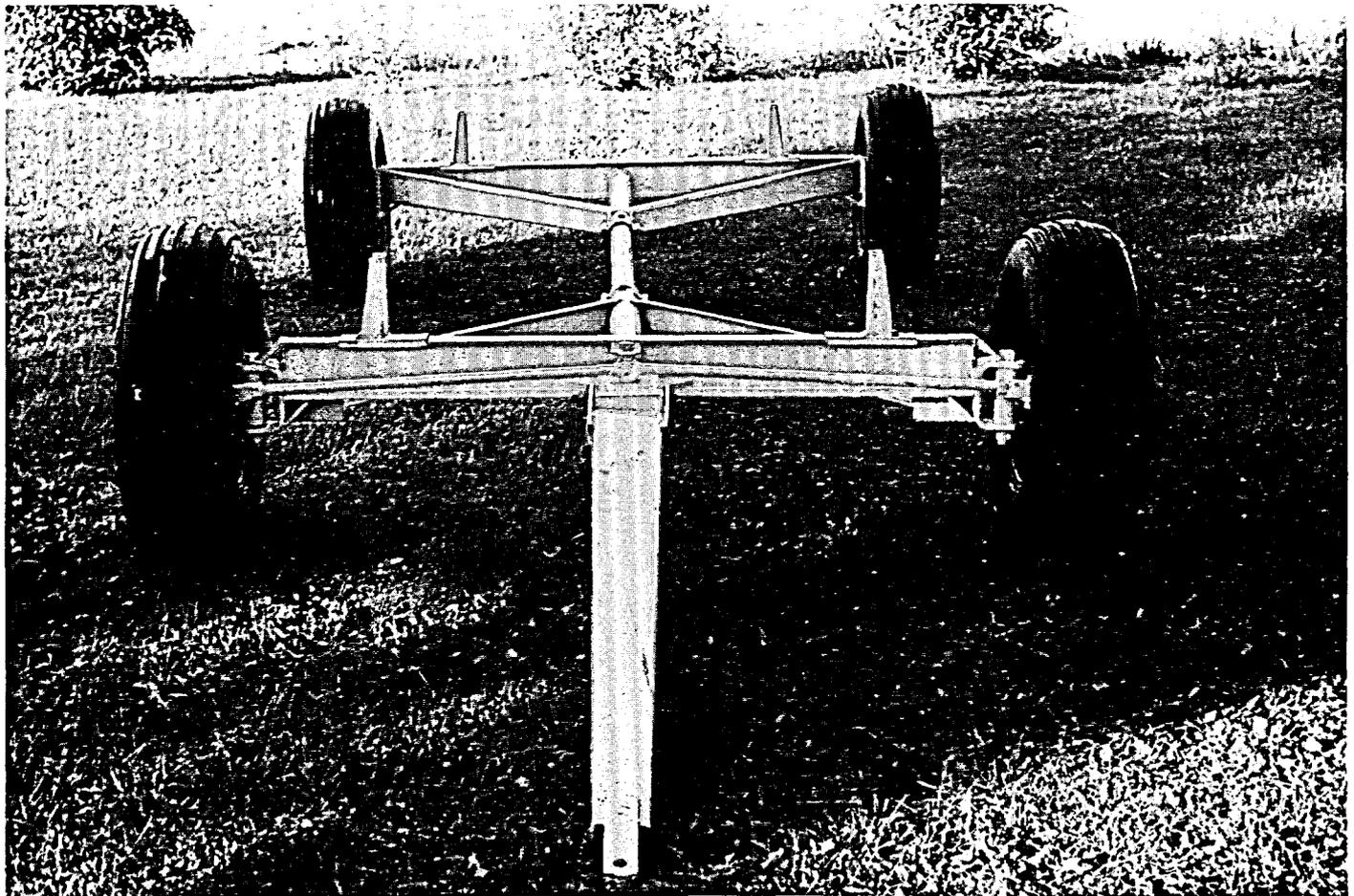
14 ton) capacity, with a variety of tire sizes available depending on the application. These wagons are very compact for shipping which is a unique feature. Because many units can be placed into a relatively small area, the unit cost of freight is reduced. For example, either 5.4 t (6 ton) wagons can be shipped in a 12.2 m (40 ft.) container. Another unique feature of these wagons is that there is no other wagon in North America that can compete with these on price. For example, a 5.4 t (6 ton) wagon with used tires could be sold to a distributor in Europe for \$495 including freight.

Capacity:
5442 kg (6 ton), 7256 kg (8 ton),
9070 kg (10 ton), 10,884 kg (12 ton)

Capacity:
5,443 kg (12,000 lbs.), 7,258 kg
(16,000 lbs.), 9,072 kg (20,000 lbs.),
10,886 kg (24,000 lbs.)

Shipping weight (no tires):
195 kg (430 lbs.), 235 kg (520 lbs.),
285 kg (625 lbs.), 375 kg (825 lbs.)

Ideal for farms anywhere because of its capacity and price, the Lanark 6-ton wagon with flotation tires fits into a compact package for shipping.



Leon Ram Enterprises Inc.

135 York Road E.

Yorkton, Saskatchewan

Canada S3N 3N6

Tel: (306) 783-6592

Telex: 074-21544

Contact

Mr. Al Gedcke

From a modest beginning in Bankend, Saskatchewan, Leon Ram Enterprises Inc. has grown into an international company with head office and manufacturing facilities in Yorkton Saskatchewan, and subsidiary companies in the United States and Australia.

In the 1950s, Leon invented the Leon Dozer Blade Unit. When the blade attracted customers beyond the Bankend area the first expansion of the company took place. Growth has been steady (including four subsequent expansions) and today, Leon products serve farmers throughout the world.

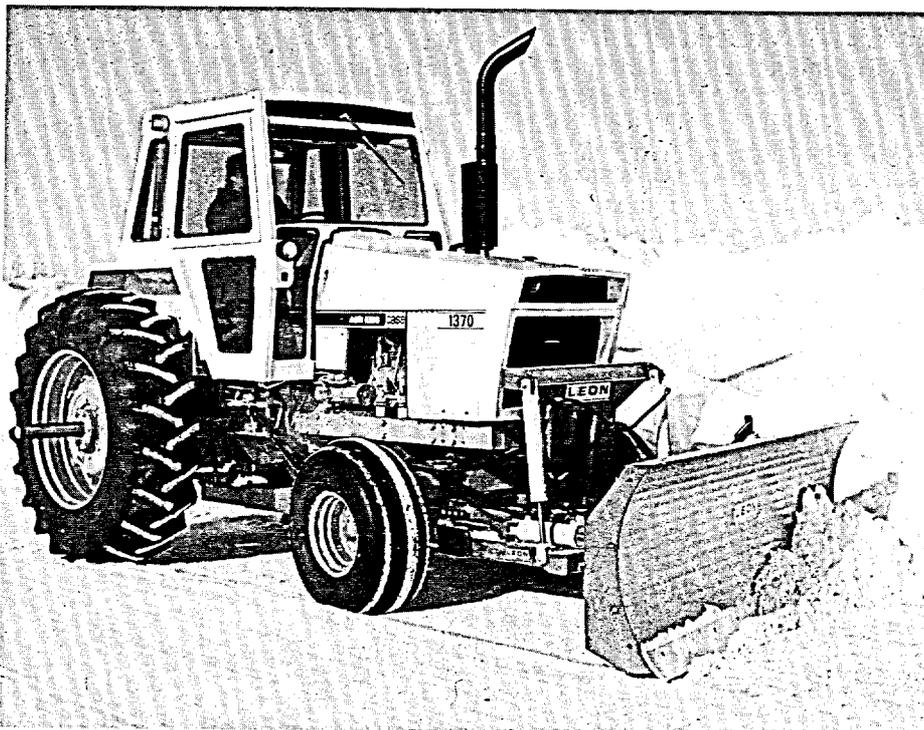
Leon manufactures and distributes Dozer blade units, front end loaders, rear blades, rock pickers, skid steer loaders, land scrapers, chisel plows, culti-chisels, harrows, rod weeders, and air seeders. With facilities in Canada, the US and Australia, Leon offers employment to over 300 people.

Dozer Blade Units

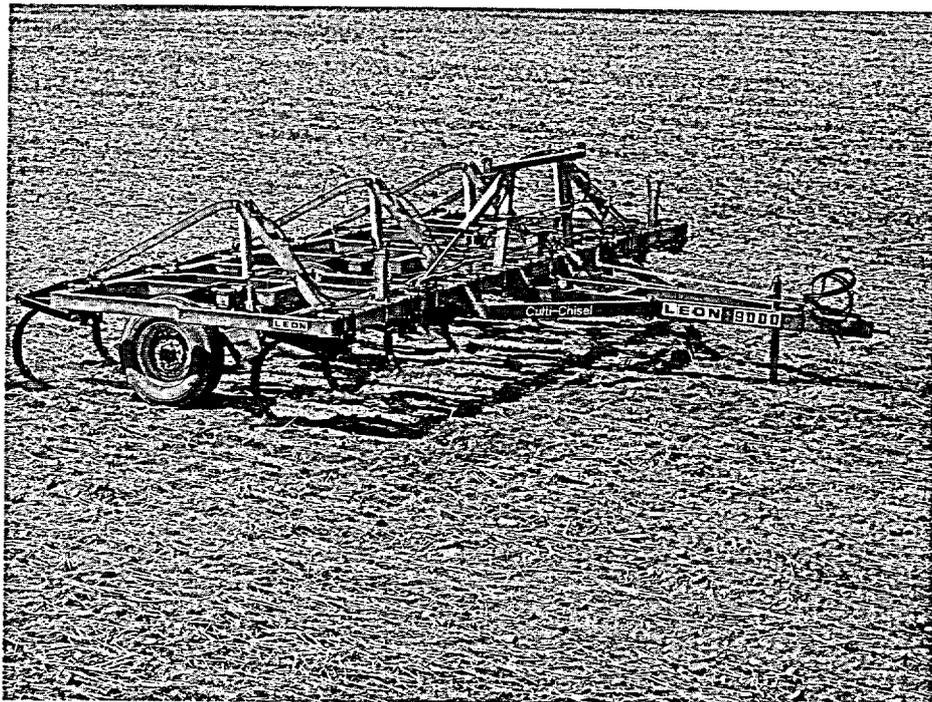
- Fit 2- and 4-wheel drive tractors
- Manual angling (23 degrees)
- Hydraulic angling (27 degrees)
- Hydraulic tilt (10 degrees)
- Ripple form, self-cleaning blade
- Skid shoes
- Replaceable cutting edges
- Blade heights of 79 cm (31 in.) or 91 cm (36 in.)
- Blade widths from 2.44 m (8 ft.) to 4.27 m (14 ft.)
- Easy-on, easy-off mounting

1 The push assembly on the Dozer Blade Units from Leon Ram absorbs all shock pressure, thus sparing the tractor frame and engine block from undue wear.

2 The one machine for all tillage jobs, the Leon Series 9000 culti-chisel is durably built for high efficiency.



1



2

Les Équipements Hardy inc.
100 rue St-Arthur
C.P. 177, Portneuf Station
Cté Portneuf, Québec
Canada G0A 2Z0
Tel: (418) 238-3360 Telex: 051-3256

Contact:

Mr. George A. Lajoie
Vice President, Marketing

Les équipements Hardy inc. was established in 1973. From a general welding and repair shop also building front end loaders for local farmers, the company progressed over the years. It re-located to larger facilities at Portneuf Station and specialized in manufacturing front end loaders distributed to dealers throughout the province of Quebec. Distribution was set up in the Atlantic provinces and Ontario in 1982, New England and New York in 1986 and the plant was enlarged in 1985.

The company manufactures front end loaders for 2- and 4-wheel drive tractors up to 100 H.P., on all models offered. Features include: mechanical self-levelling bucket, a quick-attach feature requiring no tools if owner wishes to remove loader from the tractor, industrial-type bucket linkage, and a frame which is much stronger than conventional construction.

Hardy Model 25 (for 25 H.P. tractors)

- Automatic self-levelling bucket
- Industrial-type bucket linkage
- 40° bucket rollback
- Quick attach — no tools required
- Self-contained support stand

- Lift cylinder — 4.45 cm (1¾ in.)
- Bucket cylinder — 4.45 cm (1¾ in.)
- Maximum lift capacity — 344.7 kg (760 lbs.)
- Breakway force — 603 kg (1,330 lbs.)
- Maximum lift height — 203 cm (80 in.)
- Clearance bucket dumped at 45° — 147 cm (58 in.)
- Operating pressure — 91 Kpa (1,900 P.S.A.)

Other models also available.

With its extra-rugged construction, the Hardy Model 25 loader can compete effectively with larger loaders.



les Equipements Tardif Inc.
55, Rural Route 1
St-Antonin
Comté Rivière-du-loup, Québec
Canada G0L 2J0
Tel: (418) 862-7574

Contact:

Mr. Léonard Tardif
President

les Equipements Tardif Inc., established in 1978, designs and manufactures machinery for the peat moss industry. The owner, Mr. Léonard Tardif, with his 15 years experience of research in that field, heads a specialized and efficient team.

The company has a wide variety of machines for peat moss production, outstanding for their superior output, high quality, innovative design, and hardiness. These easy-to-operate, sturdy machines require the minimum of maintenance and have a long life-span. They have been used and tested in peat bogs throughout Quebec, other Canadian provinces, the United States and in New Zealand.

This company continuously develops new methods and techniques, improving the quality of the machines and increasing their efficiency.

Harrow

Aerates the surface for faster drying to allow vacuum harvesting. 4.5-7.3 m (15-24 ft.) wide, double teeth, three-point hitch
Weight: 544 kg (1,200 lbs.)
Detail: double teeth
Enlargement: double teeth

Vacuum harvester

Harvesting capacity:
70.79 m³/h (2,500 cubic ft.
per hour)

Dumping time: 1 minute

Mounted on a double tandem trailer with 8 high flotation tires, 11L15, 6 ply 1.8 m (6 ft.) wide nozzle, with 43.2 cm (17 in.) fan

Dimensions:

Length: 4.72 m (15 ft. 6 in.)

Width: 4.87 m (15 ft. 6 in.)

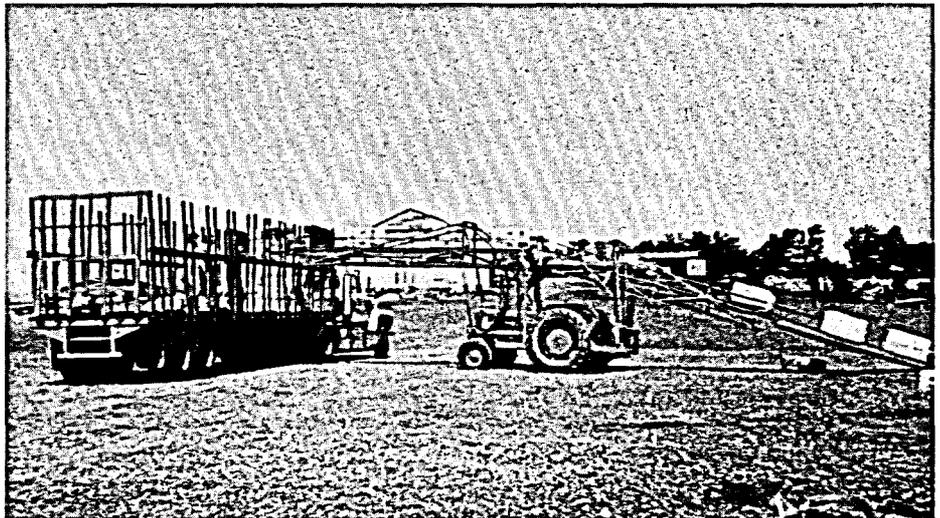
Height: 4.87 m (16 ft.)

Weight: 2267.96 kg (5000 lbs.)

Recommended tractor: 45 H.P.



1



2

1 Tardif's Super Vacuum Harvester has a capacity of 170 m³ (6,000 cu. ft.) per hour.

2 The bag-loading conveyor from les Equipements Tardif is fully hydraulic with two telescopic arms extending 16.8 to 18.3 m (55 to 60 ft.)

Les Industries Desjardins Limitée

P.O. Box 8

79 Main Street,

St. André, Kamouraska, Quebec

Canada G0L 2H0

Tel: (418) 493-2114

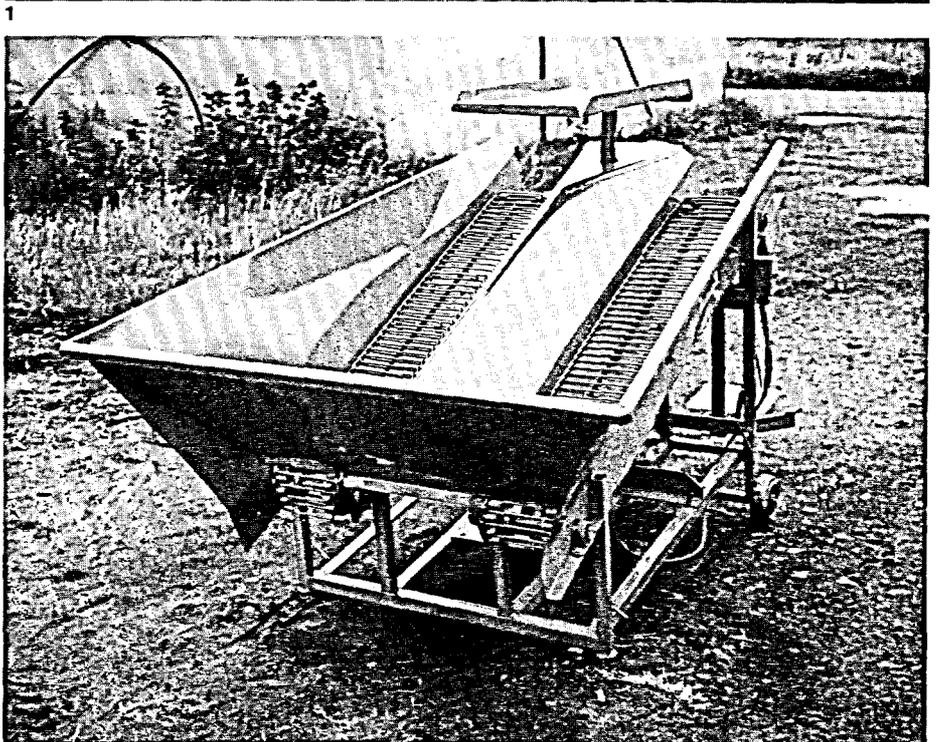
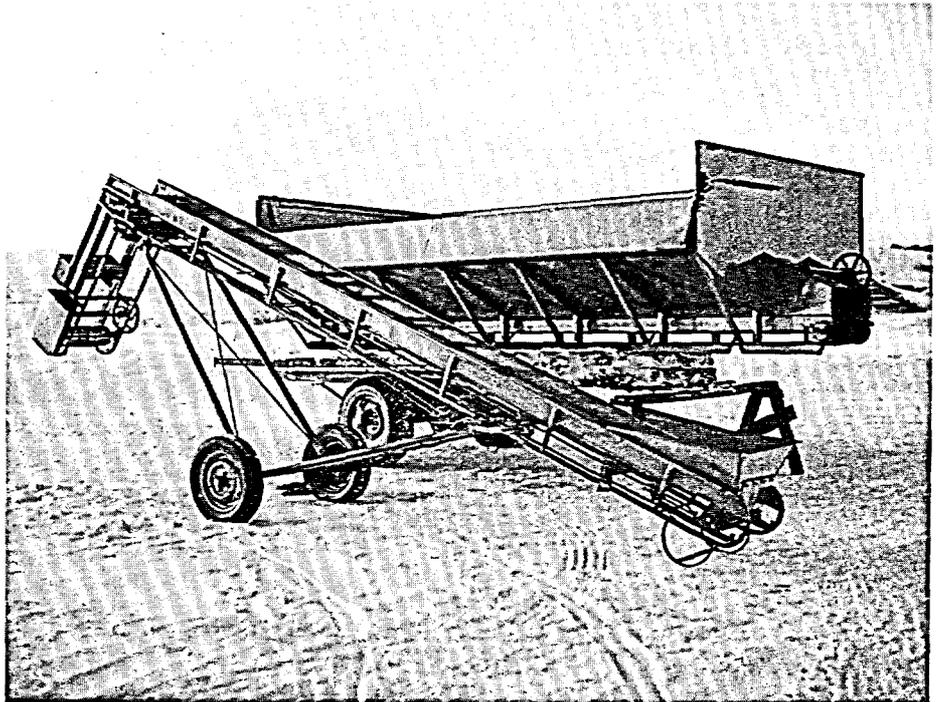
Contact:

Mr. Luc Martin
Director General

Under the name "La Compagnie Desjardins", "Desjardins Limitée", or "Les Industries Desjardins Limitée", this company has contributed to the Canadian economy. For more than a century, its products have been recognized by both farmers and forestry producers.

The company manufactures a variety of products including: land roller, PTO saw bench, vegetable conveyor, ensilage conveyor, harvesting conveyor, vegetable washer, bulk hopper and bulk hopper box, double bagger, grain trimmer, portable saw mill, edger, shingle mill, shingle bundler, cross cut saw, debarker, saw dust blower, cross cut and shingle saws, and many others.

Specifications and price lists are available on request.



1 Vegetable conveyor and bulk hopper box are durable products from Les Industries Desjardins.

2 The double bagger from Desjardins can be used for vegetables, potatoes, compost and other products.

Lewis Cattle Oiler Co. Ltd.
P.O. Box 250
Oak Lake, Manitoba
Canada R0M 1P0
Tel: (204) 855-2775

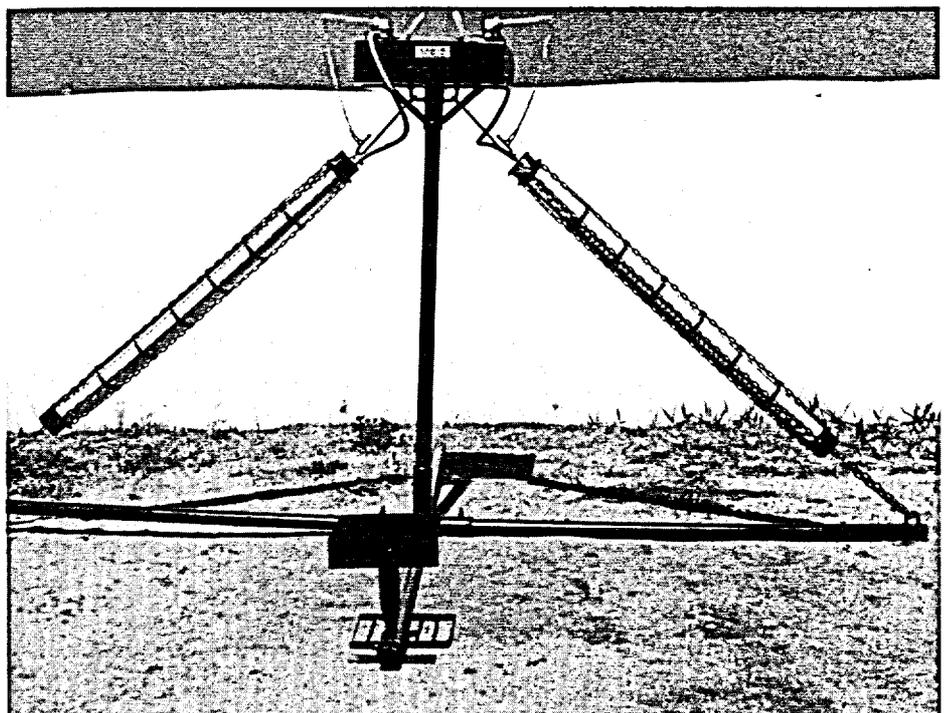
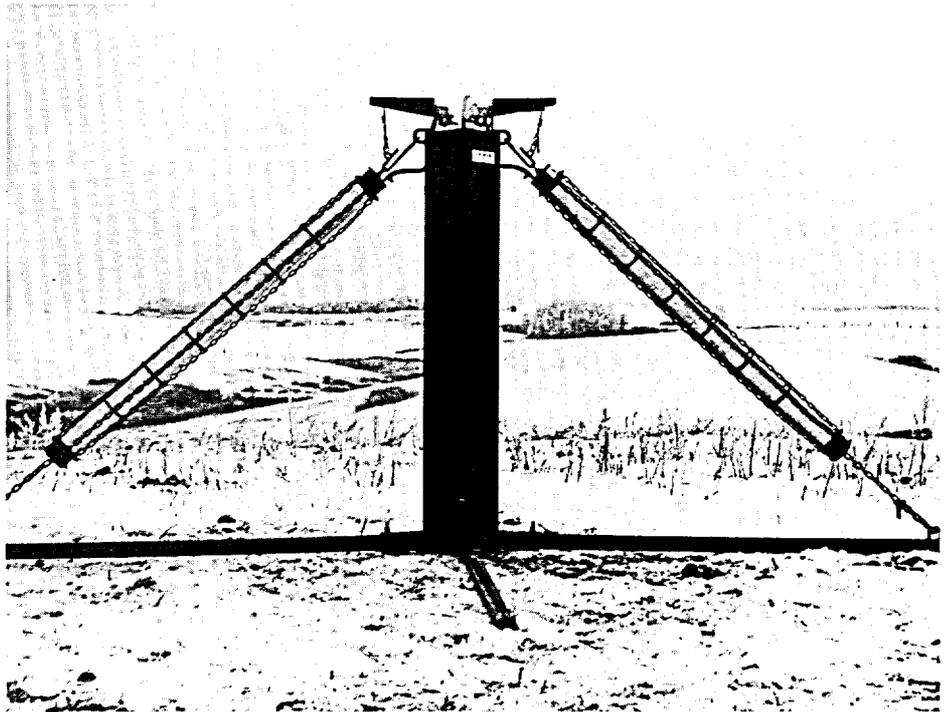
Contact:

Mr. Garry R. Morcombe
Manager

Lewis Cattle Oiler Co. Ltd. was started up in 1966, when Mr. Joe Lewis came to Canada from the United States to make and sell an oiler for the Canadian market. Because there was no competition, the company was able to develop an oiler for Canadian conditions, and now sells the product in Manitoba, Saskatchewan, Alberta and Ontario.

The Lewis Cattle Oiler is a mechanical means of putting insecticide on an animal's body, through self-application. An animal will rub against the oiler, and a small amount of chemical insecticide is groomed onto its hide. In this way, the insecticide is only dispensed where and when needed, as the animal will only rub on an oiler when it feels the need to do so.

Lewis insecticide effectively controls horn flies, face flies, heel flies, black flies, mosquitoes, and both kinds of lice. The company also manufactures a hog oiler.



1 The Double Upright Automatic Oiler from Lewis provides an effective means of controlling flies, mosquitoes and lice that plague cattle.

2 Lewis' Overhead Automatic Oiler is available with single or double wicks.

M.K. Rittenhouse & Sons Limited
R.R. #3
4th Avenue
St. Catharines, Ontario
Canada L2R 6P9
Tel: (416) 684-8122

Contact:

Mr. Mark Rittenhouse
Vice President

M.K. Rittenhouse & Sons was established in 1914, manufacturing agricultural orchard sprayers. The company has continued to expand over the years, and in 1985 built a 558² m (6,000 sq. ft.) warehousing facility. Distribution extends throughout Ontario, Quebec and the maritimes and is just penetrating the United States market.

M.K. Rittenhouse & Sons currently manufactures a complete line of agricultural spraying equipment encompassing such diverse applications as research equipment for the federal and provincial governments and several major Canadian chemical companies, blower and pressure spraying equipment for orchards, vineyards, vegetables, greenhouses, and nurseries, as well as specialized equipment for crops such as ginseng and christmas trees.

A feature of the company's equipment and components is their simple and rugged construction designed for decades of trouble-free use, yet maintaining a competitive price schedule.

Rittenhouse ELITE 1500 orchard sprayer

Overall dimensions:

Length: 440 cm (14 ft. 5 in.)

Width: 163 cm (5 ft. 4 in.)

Height: 145 cm (4 ft. 9 in.)

Transport dimensions:

Length: 366 cm (12 ft.)

Width: 109 cm (3 ft. 7 in.)

Height: 112 cm (3 ft. 8 in.)

Standard equipment:

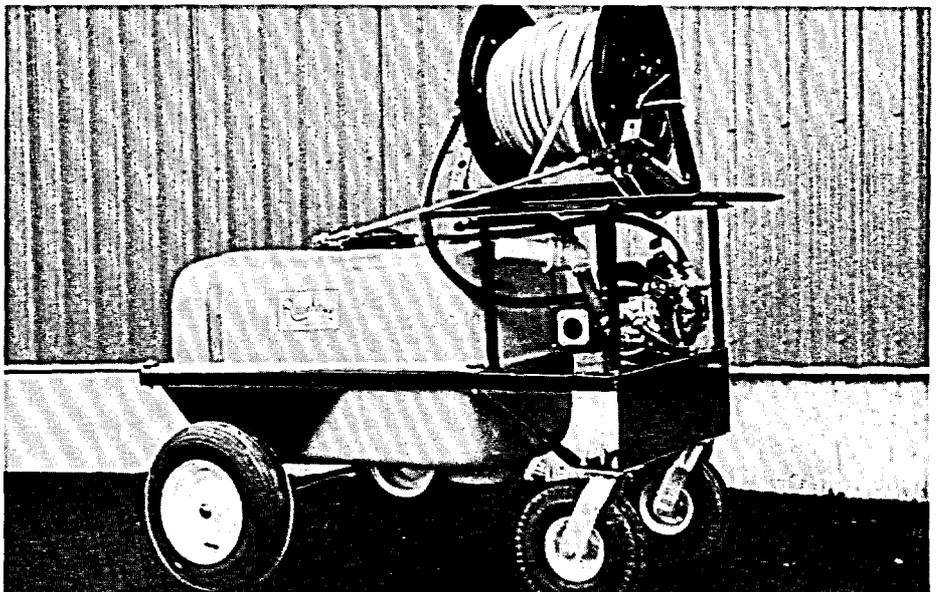
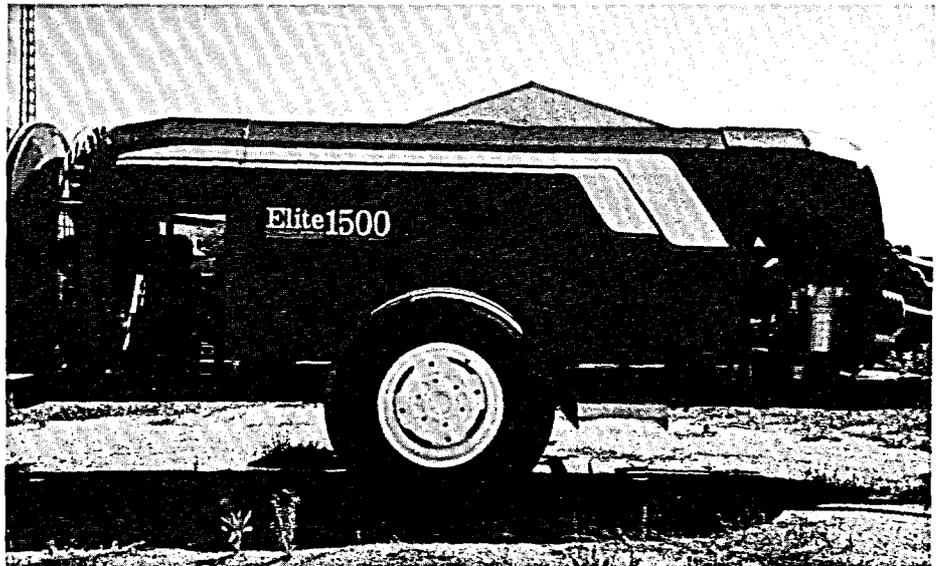
double set of nozzles; two speed blower gearbox with neutral; wide angle P.T.O. shaft with overload clutch.

Optional equipment:

tandem axle; tank filler; row crop head for blower; hose and gun.

1 Priced competitively, the Rittenhouse ELITE 1500 orchard sprayer comes with standard features that include diaphragm pump, mechanical agitation and two-speed blower gearbox.

2 The Rittenhouse mobile greenhouse sprayer's compact lines allow excellent manoeuvrability in most greenhouse installations.



MacDon Industries Ltd.
680 Moray Street,
Winnipeg, Manitoba
Canada R3J 3S3
Tel: (204) 885-5590
Telex: 07-57849

Contact:

Mr. Barrie Smith
Director of Marketing

MacDon Industries Ltd., is a family-owned, Canadian company which originated in 1949. Located in Winnipeg, Manitoba, MacDon employs 400 people in plant and office facilities that total 23250² m (250,000 sq. ft.), on 8.1 ha (20 acres) of land.

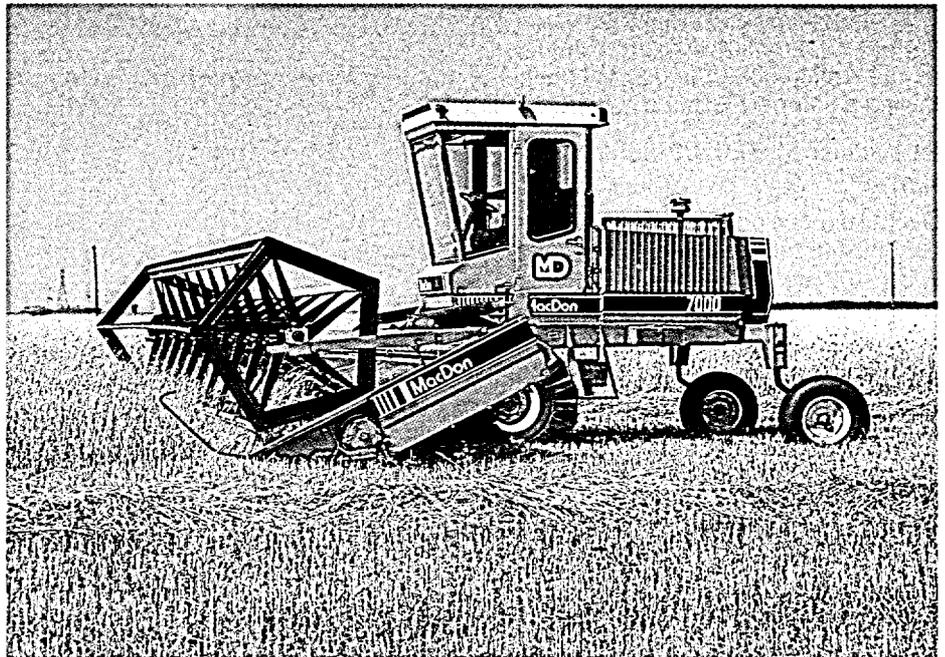
The company does all its own engineering design work and manufacturing, other than foundry castings. MacDon's swathers (or windrowers), crimper-type hay conditioners and pick-up reel attachments for windrowers or combines are sold throughout the world.

The pull-type windrower can be operated very efficiently because of the low kilowatt (horsepower) requirements. MacDon's windrowers come in single units in sizes 6.4 m, 7.6 m, 9.1 m, and 10.97 m (21 ft., 25 ft., 30 ft. and 36 ft.). The Duplex (dual) style in 12.8 m and 15.24 m (42 and 50 ft.) sizes will accommodate any windrow arrangement, either two 6.4 m (21 ft.) or one 12.8 m (42 ft.), two 7.6 m (25 ft.) or one 12.8 m (50 ft.) windrow, depending on crop conditions. The self-propelled windrower comes in 3.65 m, 4.57 m, 5.48 m (12 ft., 15 ft., 18 ft.) centre delivery, and 6.4 m, 7.6 m, 9.1 m, and 10.97 m (21 ft., 25 ft., 30 ft. and 36 ft.) double windrow, allowing the laying of single windrows up to 10.97 m (36 ft.) or 12.8 m to 21.9 m (42 ft. to 72 ft.) double windrows.

The Auger platform with hay conditioner is ideal for all haying requirements, allowing fast cutting and efficient conditioning for fast drying windrows. The MacDon windrower is very popular throughout the world.

1 The MacDon 3000 pull-type windrower, with sizes ranging from 6.4 to 10.97 m (21 to 36 ft.), is a best seller throughout the world.

2 Grain headers on the MacDon 7000 self-propelled windrower range in size from 3.65 m (12 ft.) centre delivery to 10.97 m (36 ft.) double swath.



Machinerie Idéale Cie Ltée
C.P. 360
1100, rue Leclair
Saint-Césaire, Québec
Canada J0L 1T0
Tel: (514) 469-3133

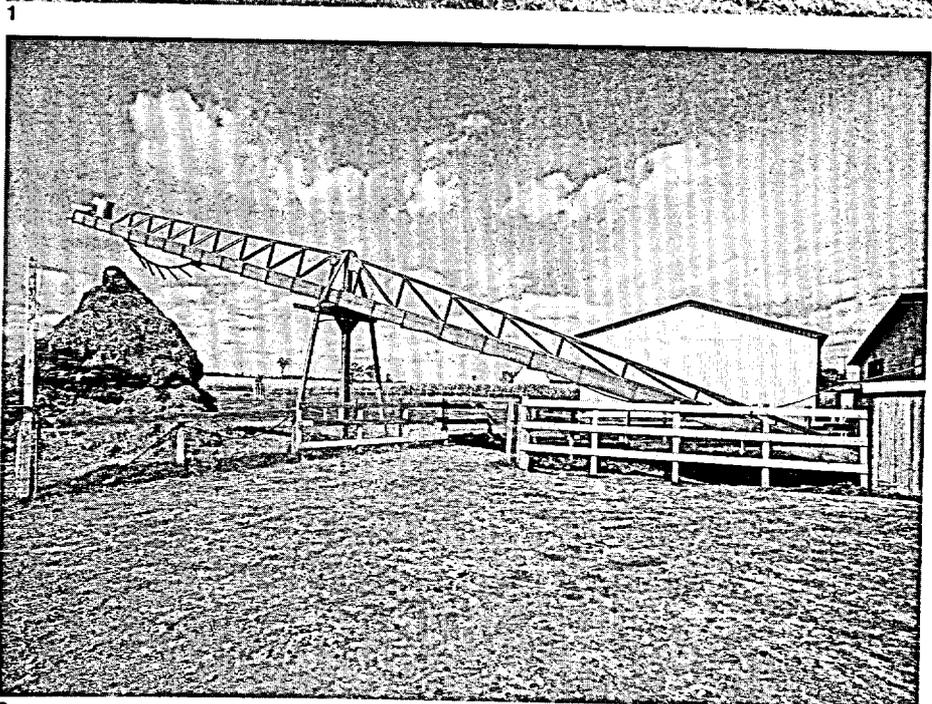
Contact:

Mr. Jean-Charles Tull
Vice President Marketing

Machinerie Idéale Cie Ltée was provincially incorporated in Quebec in 1946, as an agricultural machinery repair service and parts machine shop. In that year, its patent on a Chain Barn Cleaner changed the focus of the company, launching it in the manufacture of its own barn equipment.

Now employing 100 people, Machinerie Idéale Cie Ltée is one of the largest barn equipment manufacturers in North America.

The company's principal products are: barn cleaners, orbiter and suspended elevator beams for barn cleaners, underground manure pumps, stalls and pens, waterers, bale handling systems, trailers, carts, manure spreaders, ventilators, hay dryers, conveyors, etc.



2

1 The IDEAL solid spreader for liquid and semi-liquid manure, with adjustable expeller blades, spreads manure quickly and efficiently.

2 Machinerie Idéale's orbit elevator beams for barn cleaners handle heavy stress with little maintenance required.

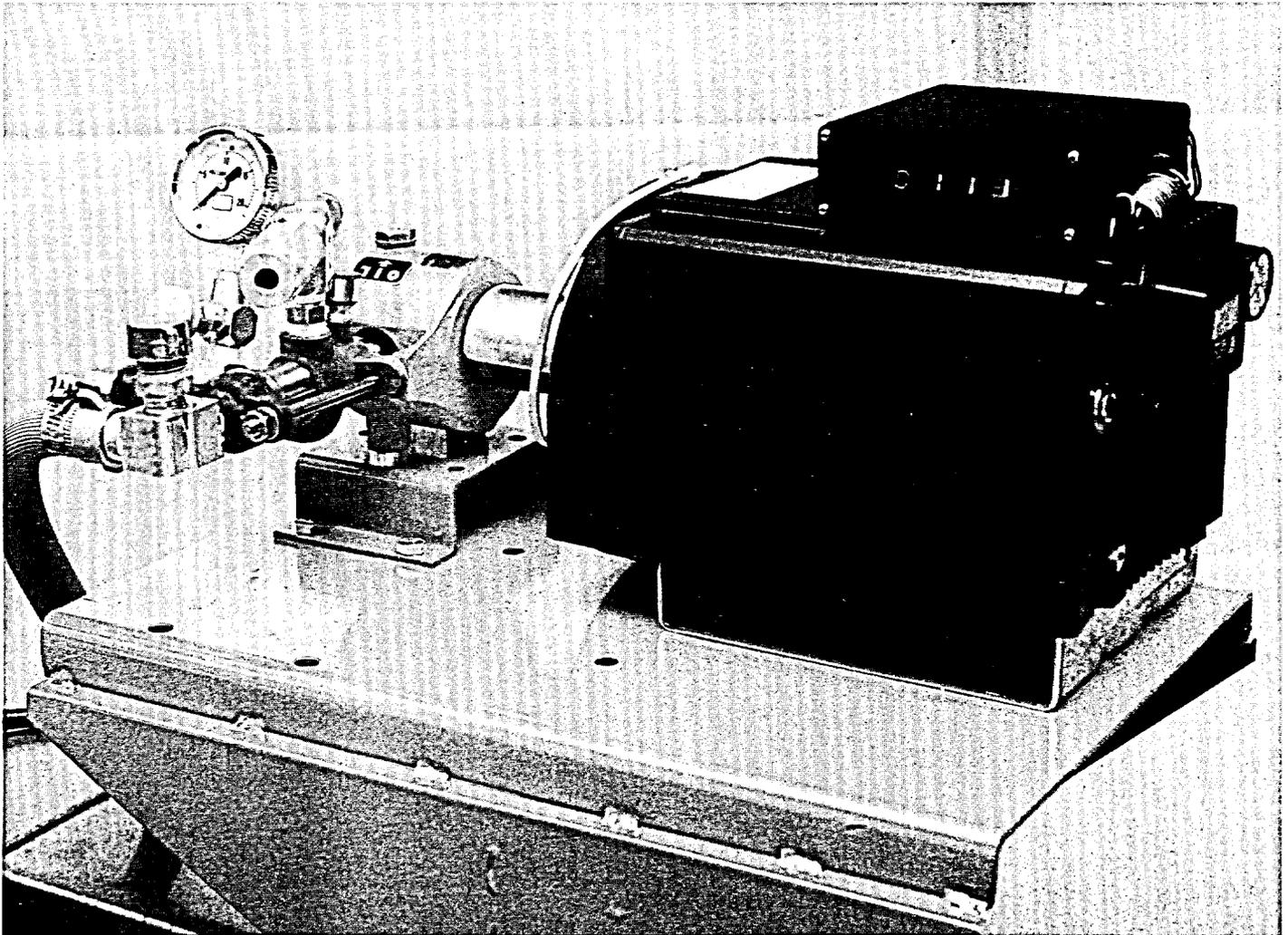
MagiKist Ltd.
1488 Main Street
Winnipeg, Manitoba
Canada R2W 3W2
Tel: (204) 589-5468
Telex: 07-57423

Contact:
Mr. M. Cohen
President

Magikist Ltd., incorporated in 1964, produces a varied line of equipment in its 2,355 m² (25,000 sq. ft.) plant in Winnipeg. This includes high pressure pumps, high pressure cleaners, gas and oil fired heaters, and all accessories associated with pumps and high pressure cleaning.

Shown in the photograph is the new liquid pump injector with variable digital controller. These injector pumps are offered in a wide range of sizes and pressures up to 10,342 kPa (1500 p.s.i.). The injectors are used widely in the application of oils and aromatics to animal feeds and liquid additives of all types in agriculture and industry. The units are accurate to within 1 per cent. Available as options are 316 stainless steel pumps and tank mounted units.

Magikist's Model L1MH5 liquid pump injector unit comes with variable digital controller.



Maritime Farm Implements Ltd.

P.O. Box 209

Middleton, Nova Scotia

B0S 1P0

Tel: (902) 825-4040

Telex: 019-32167

Contact:

Mr. J. Roch
President

Maritime Farm Implements Ltd. was incorporated in 1976 to manufacture heavy duty implements for land clearing and soil improvement.

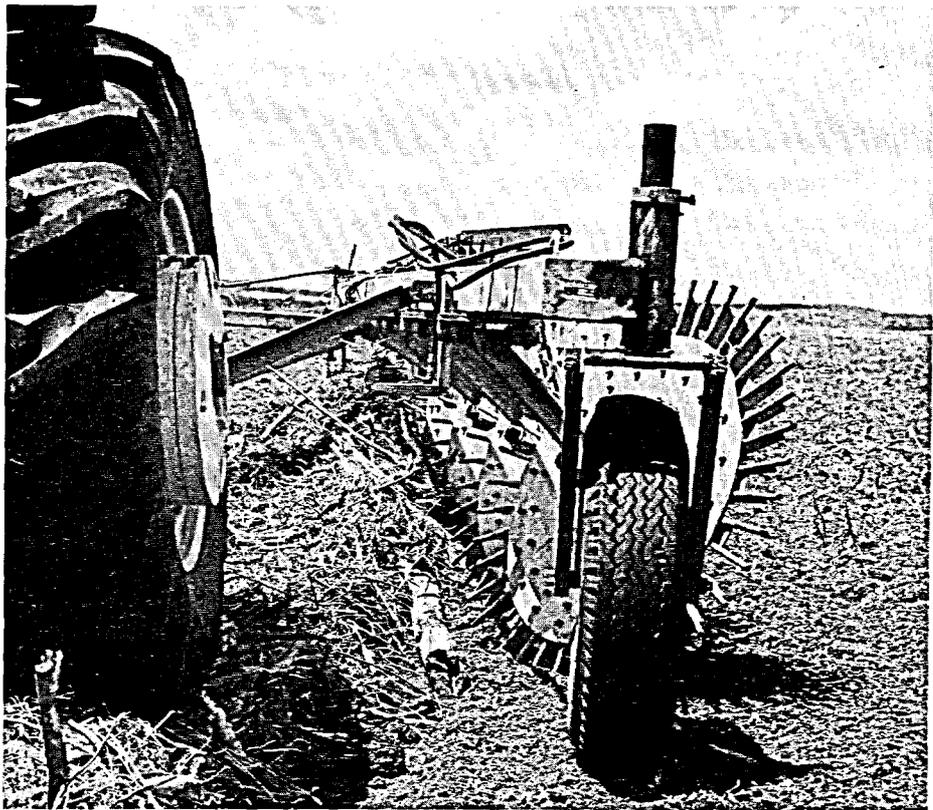
The company's root rake was developed to speed up land clearing from woods to seed bed. After the land has been cleared by a bulldozer and a grubbing blade, the root rake takes care of the rest. Debris such as roots, pieces of stumps, tree limbs, etc., are raked together in swaths 15 to 23 m (50 to 75 ft.) apart for further disposal with loader and trucks.

The implement has an adjustable raking width of 1 to 2 m (5 to 8 ft.). Horsepower requirements are in the range of 45 to 60 kW (60 to 80 H.P.), depending on the swath width desired, the quantity of trash to be raked and the terrain.

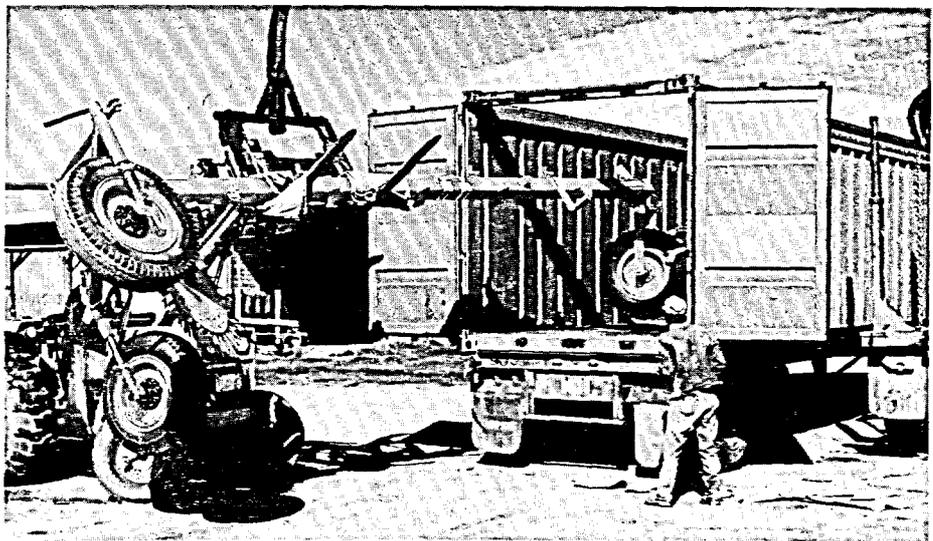
Built to withstand the roughest conditions encountered in land clearing, the root rake is ground driven by the forward motion of the tractor. The raking discs are equipped with heavy duty springs and the raking teeth are constructed of high quality, wear-resistant steel.

The machine has been designed so that it can be towed from one work site to another on the highway by a pick-up truck or any other type of farm vehicle. The gross weight of the root rake is 2,268 kg (5,000 lb.) and it is standard-built with five raking discs. The length is 7 m (25 ft.).

Other equipment manufactured by the company includes a three-point hitch mounted rock picker, and a rock windrower.



Maritime Farm Implements' MFI root rake speeds up the clearing of roots, stumps, stones and other debris from the land.



The MFI root rake is loaded into a 40-ft. container for shipment to Nigeria in September 1986.

Massey Combines Corporation
 225 Henry Street
 Brantford, Ontario
 N3T 5V4
 Tel: (519) 758-2000

Contact:

Mr. D.A. Colvin
 Vice President Marketing Services

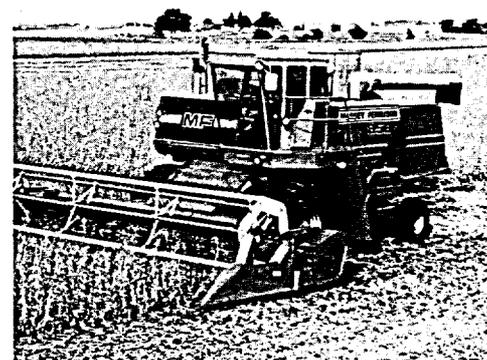
Massey Combines Corporation (MCC) was formerly the Combines Division of Massey Ferguson Ltd. (now Varsity Corporation). It is a private and independent company with its headquarters in Brantford, where Massey has been manufacturing since 1871. In peak periods, its employees have numbered over 3,000 on a single 144 ha (355 acre) site. The plant houses stamping, machining, and assembly facilities, with purchasing, finance, engineering, and marketing services. Massey products are distributed worldwide through Massey Ferguson. In the United States and Canada, distribution is through dealers franchised by MCC itself.

MCC manufactures a wide range of field-proven combines. The Pull Type 852 is designed to operate with a 74.6 - 89.5 PTO kW (100 - 120 PTO H.P.) tractor in swathed, dryland wheat. The self-propelled 550, 850/5, and 860/5 are of conventional straw walker design, fitted with engines in the 74.6 - 149.2 kW (100 - 200 H.P.) range, capable of cost-efficient harvesting of all crops in all conditions at the rate of 10.1 to 20 tonnes/hour (12 to 24 tons/hour) small grain. The 8560 and 9720 are of advanced, rotary design offering high outputs with exceptionally low losses and grain crackage. Fitted with engines of about 149.2 kW (200 H.P.), and more capable of outputs in the 22.7 to 27.2 tonnes/hour (25 to 30 tons/hour) small grain.



The popular Massey 8560 rotary combine, representing 10 years of design and development, has been extensively proven in all crops and conditions.

- Cornhead rows:
 - 850 — 4, 6
 - 8560 — 6, 8
- Table size m:
 - 850 — 4.6, 4.9, 5.5, 6.1, 6.7, 7.3
 - 8560 — 5.5, 6.1, 6.7, 9.1
- ft.:
 - 850 — 15, 16, 18, 20, 22, 24
 - 8560 — 20, 22, 24, 30
- Cylinder width:
 - 850 — 1.27 m (50 in.)
 - 8560 — not applicable
- diameter:
 - 850 — 0.56 m (22 in.)
 - 8560 — not applicable
- Rotor length:
 - 850 — not applicable
 - 8560 — 3.56 m (140 in.)
- diameter:
 - 850 — not applicable
 - 8560 — 0.70 m (27.6 in.)
- Straw walker area:
 - 850 — 5.62 m² (8671 in.²)
 - 8560 — not applicable



The Massey 850 conventional combine harvests crops such as soybeans with ease and efficiency.

- Sieve area:
 - 850 — 3.3 m² (5052 in.²)
 - 8560 — 4.15 m² (6425 m²)
- Engine kW (H.P.):
 - 850 — 122 kW (164)
 - 8560 — 138 kW (185)
- Grain tank capacity:
 - 850 — 6343 L (180 bu)
 - 8560 — 6350 L (180 bu)
- Weight (less table):
 - 850 — 9373 kg (20625 lb.)
 - 8560 — 9880 kg (21740 lb.)

McCoy Brothers Group
14820 - 112 Avenue
Edmonton, Alberta
Canada T5M 2V2
Tel: (403) 454-8661
Telex: 037-2623

Contact:

Mr. Terry D. McCoy
Vice President, Manufacturing

McCoy Bros. Group, a well established Canadian manufacturer, has served the agricultural, automotive and oil industries for over 70 years. In 1914, McCoy Bros. opened a simple blacksmithing and horse-shoeing establishment in Edmonton. By 1923, the company realized that the West's rough roads were making spring repair the service industry of the future.

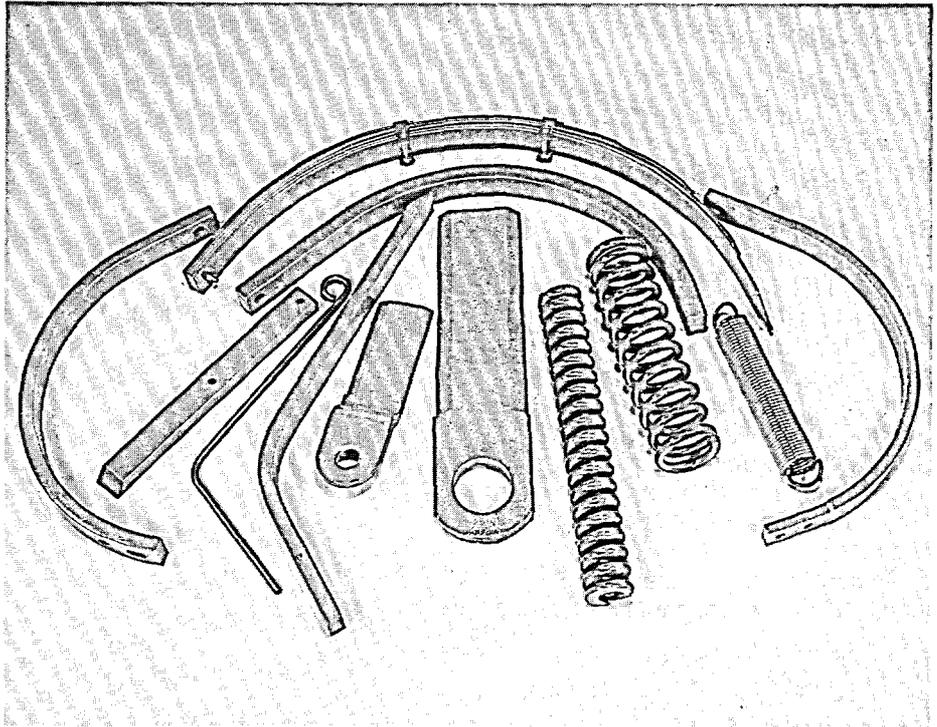
McCoy Bros. manufactures items for a variety of agricultural machines such as cultivator shanks and trip springs. The company also manufactures a complete line of hopper type grain trailers. What was once a single-shop, single-product operation, is now a diversified corporate partnership with offices across Canada and in the United States.

McCoy Bros. manufactures cultivator shanks and trip springs for some of the largest and most respected equipment manufacturers in Western Canada. Heat treating is tightly controlled, and 100 per cent inspection on every part enables customers to use McCoy's shanks and springs with air seeders and fertilizer banding.

McCoy Industries grain trailer plant is modern and efficient, using the best steel and components available on the market. These trailers are engineered for Western Canada's tough road and weather conditions, making them suitable for any country in the world.

1 Cultivator shanks, rock picker tines, cutter blades and trip springs are among the rugged parts manufactured by McCoy Bros. Group.

2 The B-Train bottom hopper bulk trailer built by McCoy Bros. Group is used to haul grains, fertilizer and pellet material.



Midland Manufacturing Limited
P.O. Box 125
Rosenort, Manitoba
Canada R0G 2W0
Tel: (204) 746-2348

Contact:

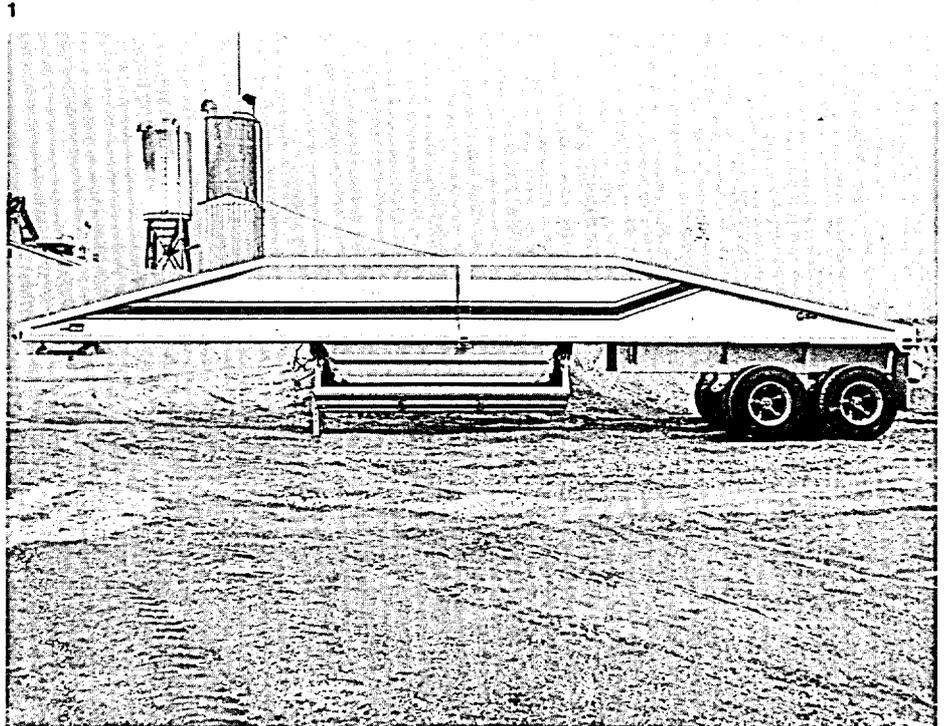
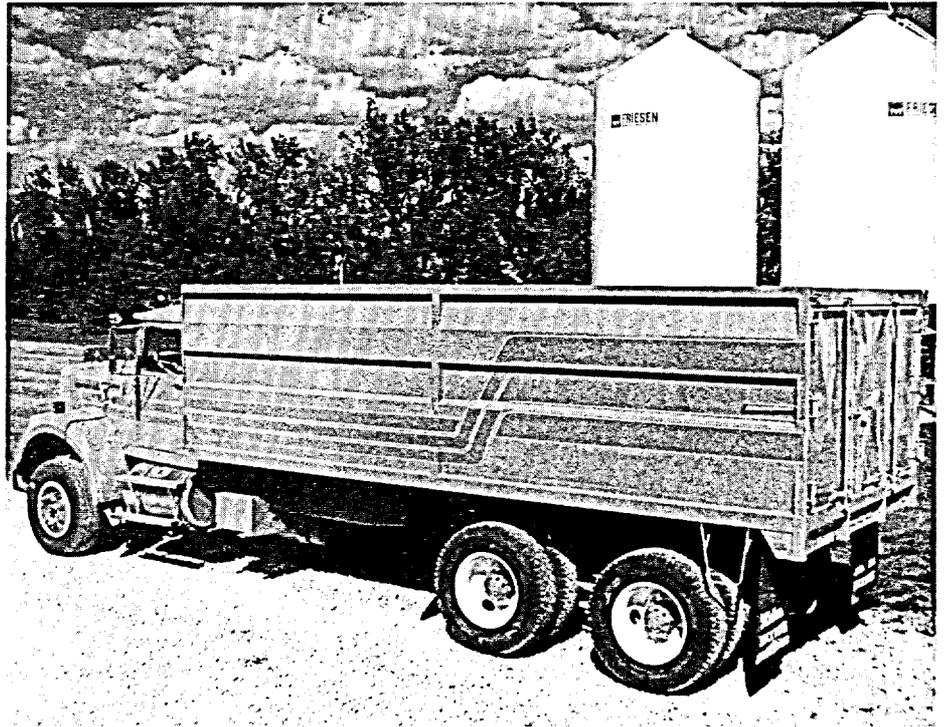
Ms. Kim Rose
Sales

Midland Manufacturing Limited has grown in 15 years from a small blacksmith shop to a medium size (40-50 employee) manufacturing company. Before an ownership change 8 years ago, Midland had started manufacturing grain and feed bodies. The ownership change has resulted in rapid growth in factory size and market area — from serving a local market in Manitoba to a market that encompasses all Western Canada and the upper midwest in the United States. Farm truck bodies continued to be the main line of manufacture, until a diversification into gravel bodies and trailers 3 years ago. The gravel equipment line now accounts for approximately 50 per cent of annual sales.

The grain body line consists of 2.74 - 7.31 m (9 - 24 ft.) bodies with various side height options (122 cm, 137 cm, 152 cm (48, 54, 60 in.)). Quality, workmanship and design combine to make the bodies rugged yet light enough for a good payload. Swing-out endgates and clean side styling are important features for ease of operation. Complementing the grain body line are roll-up tarps. These tarps allow for the complete tarping and untarping function to be performed with the operator remaining on the ground. Another type of cover manufactured is the combine hopper cover. Most combines do not have hopper covers which means messy clean-out problems if the combine is caught in the field during rain.

1 Grain bodies from Midland Manufacturing are strong and durable yet light in design.

2 Midland manufactures the rugged tandem Clam Shell Commander as part of its high-quality line of gravel equipment.



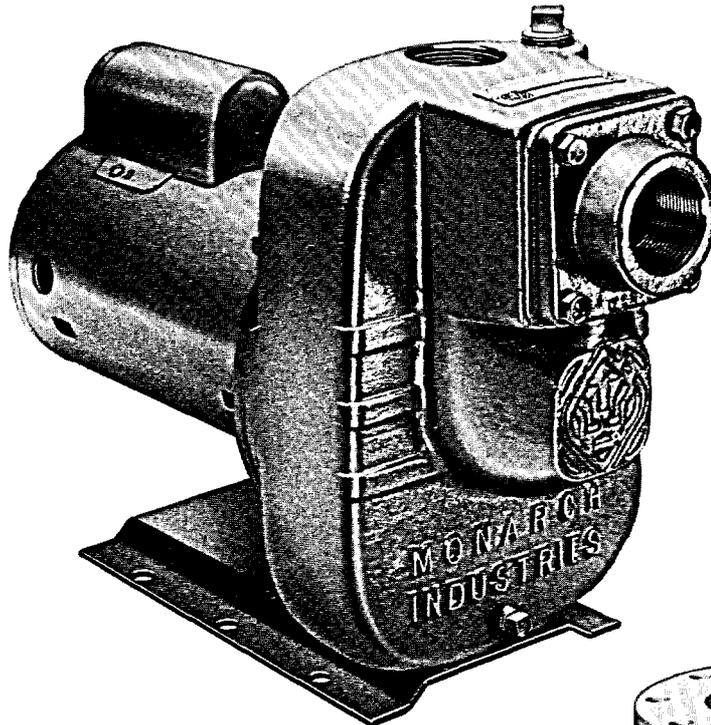
Monarch Industries Limited
P.O. Box 429
889 Erin Street
Winnipeg, Manitoba
Canada R3C 3E4
Tel: (204) 786-7921 Telex: 07-57175

Contact:

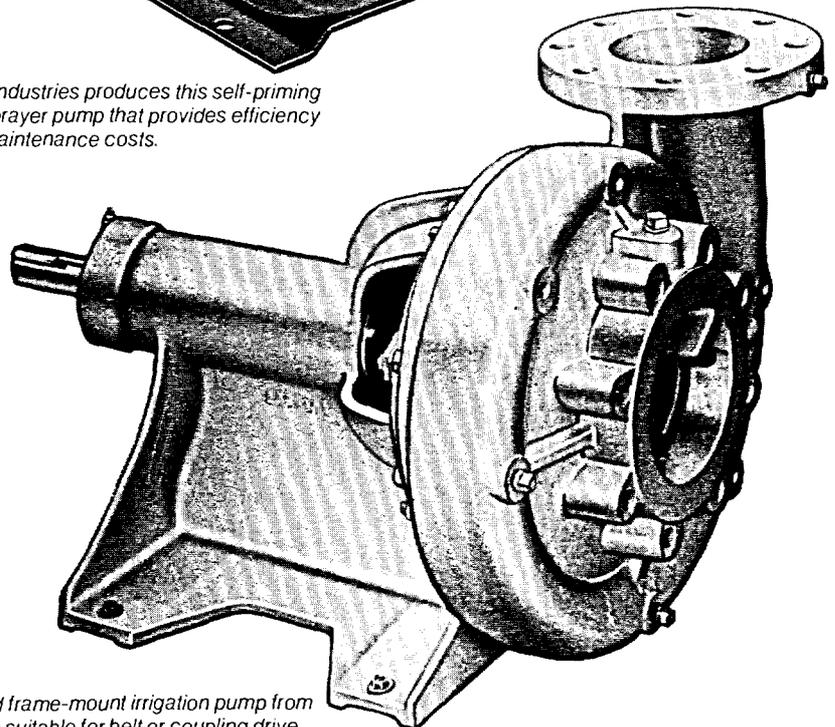
Mr. Michael DeWiele
Product Manager, Pump Division

Monarch Industries was founded 50 years ago to provide industrial and agricultural machinery and equipment for the Canadian people. Over the years, Monarch is proud to have grown to be one of Canada's leading manufacturers of agricultural equipment. A state-of-the-art foundry, three major manufacturing facilities, and a world-wide distribution system are strategically located in over 20 countries to serve the company's ever growing markets.

Monarch manufactures a wide line of pumps to serve the agricultural industry. It begins with lines of small transfer and sprayer pumps, which are available with either gasoline engine or electric drive. These units are available in both self-priming and end suction design up to a maximum of 5.96 kW (8 H.P.) From there, Monarch's line of large end suction irrigation pumps takes over. These pumps are available with gasoline engine or electric motor drive, and are available in both pedestal mount design for belt or direct drive and engine mount for direct coupling to the engine of choice. The irrigation line ranges from 7.46 - 186.5 kilowatts (10 to 250 H.P.), covering a wide range of agricultural need. All these products uphold the Monarch tradition of quality and service excellence.



Monarch Industries produces this self-priming fertilizer sprayer pump that provides efficiency with low maintenance costs.



The rugged frame-mount irrigation pump from Monarch is suitable for belt or coupling drive.

Morris Rod-Weeder Co. Ltd.
85 York Road
Yorkton, Saskatchewan
Canada S3N 2X2
Tel: (306) 783-8585

Contact

Ms. Adeleine Morris

Morris Rod-Weeder Co. Ltd. was incorporated in 1929. Today, with a staff of over 300, specializing in research, development, finance, production, service, parts and marketing, the company today boasts of a distribution network of over 400 independent dealers in five Canadian provinces and 12 states in the USA.

Each of the 14 product lines manufactured in plants located in Manitoba and Saskatchewan, have a specific purpose in today's farming. From primary tillage, to seeding either conventionally or pneumatically, to light secondary tillage to herbicide application and forage tools, Morris has the most complete seeding and tillage line in the industry.

Coupled with demands from other parts of the world for quality seeding and tillage tools which work well in dryland areas, and the need for Morris to grow, export markets were explored. In cooperation with various government agencies, and its own initiative, Morris participates in world trade shows.

Some of the products manufactured by Morris Rod-Weeder are:

Magnum II Chisel Plows:

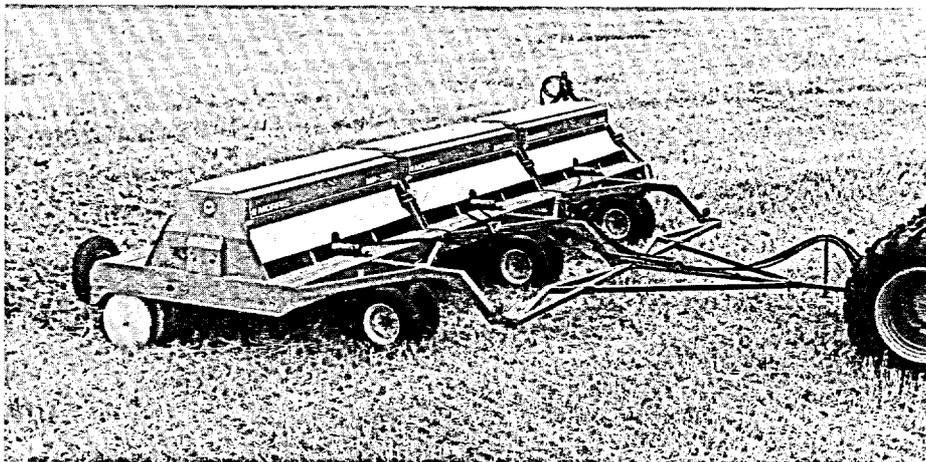
Will tackle all tillage jobs. Working width from 274 cm to 18.28 m (9 to 60 ft.).

MH-310 Hoe Press Drill:

The MH-310 Hoe Press Drill is ideal for spring seeded crops and fall seeding of winter wheat into standing stubble. The MH-310 offers three choices of hoe spacings 190.5 mm (7½ in.), 254 mm (10 in.), and 304.8 mm (12 in.)

MP-912 Heavy Duty Cultivators:

Ideal for fertilizer banding, seed bed preparation and seeding with Air Seeders. Working widths from 5.79 to 12.5 m (19 to 41 ft.), also offered in two transport widths 4.0 m (13 ft.) narrow transport, and 5.79 m (19 ft.) regular transport.



1



2

1 The narrow openers and superior clearance of the MH-310 hoe press drill from Morris Rod-Weeder Co. more than meet the demands of dry soil and continuous cropping.

2 The Morris Genesis II MA-170 air seeder's system precisely meters the seed into the air stream for a smooth, efficient material flow.

Omega Machinery Ltd.
1150 Brouillette Street,
St-Hyacinthe, Quebec
Canada J2T 2G8
Tel: (514) 774-6473

Contact:

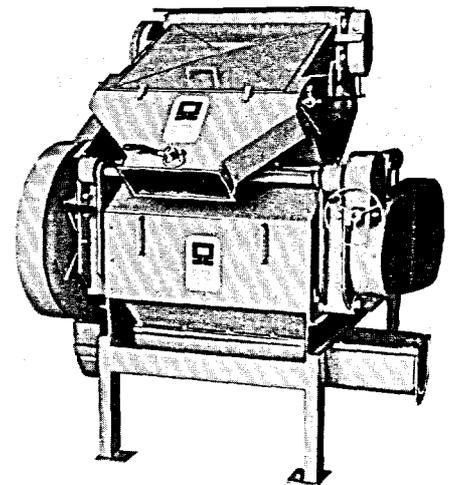
Mr. Denis Boulais,
Project Manager

Founded in 1912 as Omega Pumps, the company originally manufactured domestic hand pumps and gasoline-powered water pumps. With the development of a windmill-driven water pump, which was an unqualified success, the name of the company was changed to Omega Pumps and Windmills. In 1981, under the name of Omega Machinery Ltd. the company moved to its present location in St-Hyacinthe where it occupies 2883 m² (31,000 sq. ft.) of machining and manufacturing facilities.

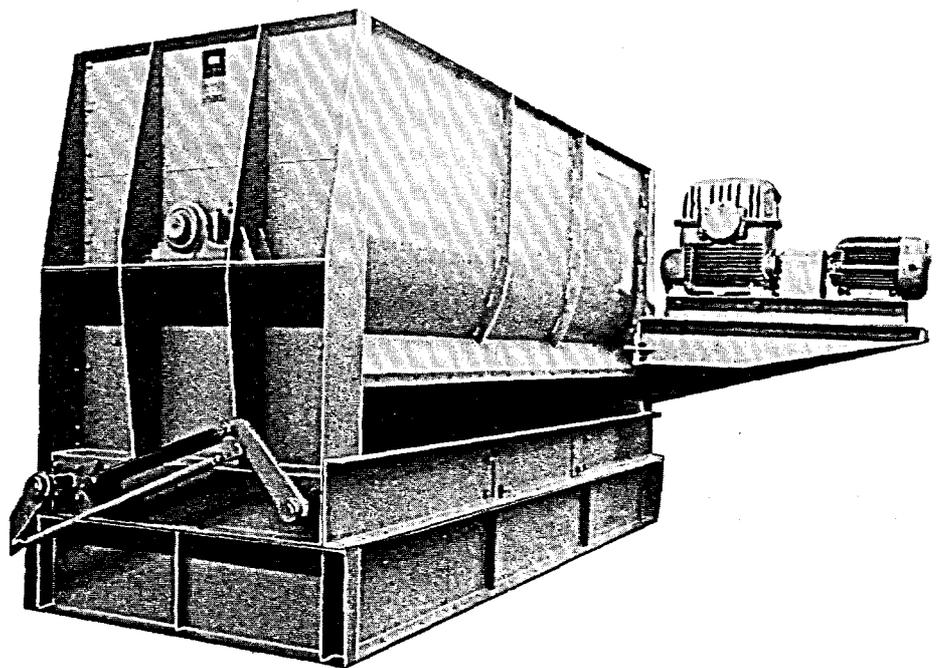
Omega has extensive experience in the agricultural industry. It has become increasingly specialized in the handling and warehousing of products in bulk, and now offers its customers: bucket elevators, belt, screw, and flight conveyors, circular and rectangular storage tanks, grinding mills, bending machines, mixers for dry products, mixers for adding liquids, rotary valves, dust control systems, pipes, chutes, hoppers, traps, etc. The company provides reliable after-sales service, including a spare parts inventory.

Roller Mills and Grain Crushers

Omega roller mills are designed for rolling and flaking various types of grain. Ten models from 23 cm (9 in.) diameter × 31 cm (12 in.) wide up to 46 cm (18 in.) diameter × 92 cm (36 in.) wide are available. The 46 cm (18 in.) × 92 cm (36 in.) is ideal for flaking after steam treatment. Some models are built specially for crushing corn. Others are designed to reduce flaky pieces to fine particles. Drive up to 37.3 kW (50 H.P.). Working capacity up to 13.6 t per hour (15 TPH).



Roller mills and grain crushers from Omega feature easy, accurate adjustment of the rollers even during operation.



Omega's horizontal mixers obtain a homogenous blend for a wide variety of dry products.

Prairie Implement Manufacturers Association
(PIMA)
2135 Albert Street
Regina, Saskatchewan
Canada S4P 2V1
Tel: (306) 522-2710

Contact:

Mr. Ron Zimmer

PIMA, the Prairie Implement Manufacturers Association, formed in 1970, is an industry group that represents 137 farm equipment manufacturers. Today approximately \$600-million worth of farm equipment is manufactured in the prairie provinces — Saskatchewan, Alberta and Manitoba. Dryland farming equipment produced by PIMA members is recognized around the world for its quality. This is the reason that an estimated \$163-million worth of equipment is exported.

PIMA has grown with the industry, assisting members through export seminars, lobbying and in disseminating information. Annual conventions hosted by PIMA attract 600-700 people. The most ambitious project to date was the development of a farm equipment video catalogue. This *Buyers Guide* encompasses 52 companies and over 100 products. PIMA, federal and provincial governments will use this catalogue to market prairie-built farm equipment. The video tape, along with PIMA's *The Tools of Dryland Farming* video, will be available at Canadian trade posts located throughout the world.

Prairie Pride Enterprises Ltd.
217-79 Eagle Drive
Winnipeg, Manitoba
Canada R2R 1V4
Tel: (204) 633-4996

Contact:
Mr. Brian Parker
Marketing Manager

Prairie Pride Enterprises Ltd., incorporated in 1972 as a trading company, established itself as a strong Canadian distributor of farm equipment specifically related to the hog industry. In 1981, Westland Plastics Ltd. was founded and subsequently became the custom moulder for Prairie Pride's plastic products. Westland Plastics Ltd. assumed ownership of Prairie Pride Enterprises Ltd. in 1986. Marketing of agricultural components and equipment is done under both company names.

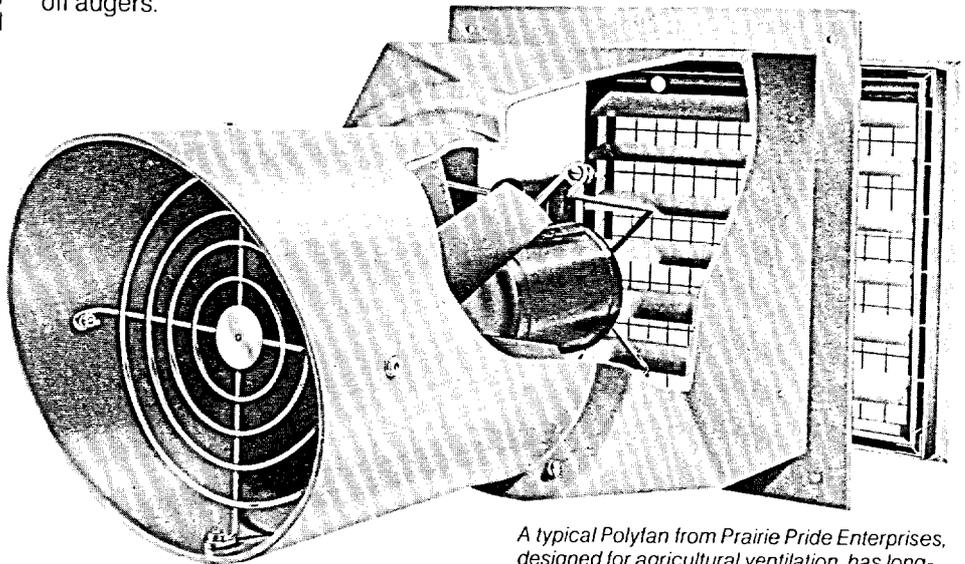
The companies have developed products using plastic resins as the major components. The advantages include freedom from deterioration due to rust and corrosion, durability, cost efficient materials and production methods.

Polyfan

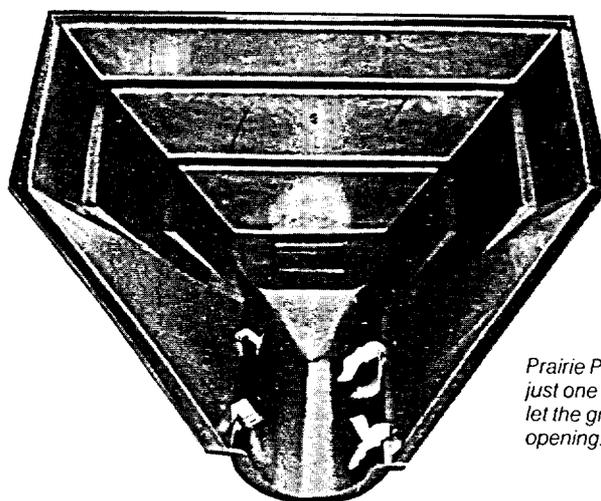
Sizes:
20.3, 30.5, 45.7, 60.9, and 91.4 cm
(8, 12, 18, 24 and 36 in.)

Housing: full, HD. Polyethylene
Louvre: PVC, interior suction type
Motor: PSC, energy efficient
Motor Mounts: PVC coated steel
Guards: PVC coated steel
Hardware: stainless steel

Westland Grain hoppers: are manufactured from a resin which allows maximum resilience coupled with adequate stiffness. A standard and a heavy duty model are made in the conventional configuration as well as a Super "C" model specifically designed for use with 20.3 to 35.6 cm (8 to 14 in.) power take off augers.



A typical Polyfan from Prairie Pride Enterprises, designed for agricultural ventilation, has long-lasting components for low maintenance costs.



Prairie Pride's standard Westland grain hopper, just one of the models available, is designed to let the grain free-flow directly into the auger opening.

Prairie Systems & Equipment Ltd.

211B - 47th Street

Saskatoon, Saskatchewan

Canada S7K 5H1

Tel: (306) 242-2020

Telex: 074-2442

Contact

Mr. William (Bill) S. Elliot
President

Established in 1981, Prairie Systems & Equipment Ltd. is a Saskatchewan-based company which designs, manufactures, and installs the Weigh Master, which is legal for trade truck scales. The company also provides design, installation and maintenance services for custom fertilizer blending systems.

Weigh Master scales are specifically designed to provide reliable service in the extreme weather conditions found on the prairies. The load cells they use are constructed of rugged steel for protection against corrosion, overload, moisture ingress, and other baro-

metric effects. The system provides free movement of scale, while eliminating the contraction and expansion problems found on many scales used in wide temperature extremes. The design of the Weigh Master systems speeds up the weighing process while at the same time reducing maintenance costs. Scales can be designed to suit custom specifications. Weigh Master scales are approved by Canadian Weights and Measures.

Prairie Systems fertilizer blending systems can also be custom designed for specific operations. Products include the Nova II 8.1 (8 ton) blender and scale, computerized blending systems, tower blending systems, and large capacity storage units.

Weigh Master Scales

Capacity:

up to 100 t (98.4 tons)
between 7.6 and 30.5 m (25 and 100 ft.)

Load Cell Capacity:

22,650 and 33,975 kg (50,000 to 75,000 lbs.)

Safe Overload: 200 per cent

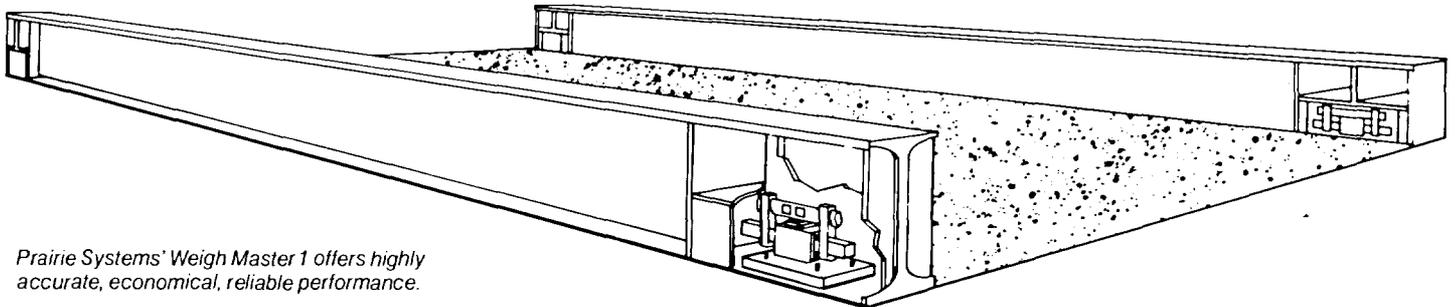
Construction:

nickel plated, high allow tool steel

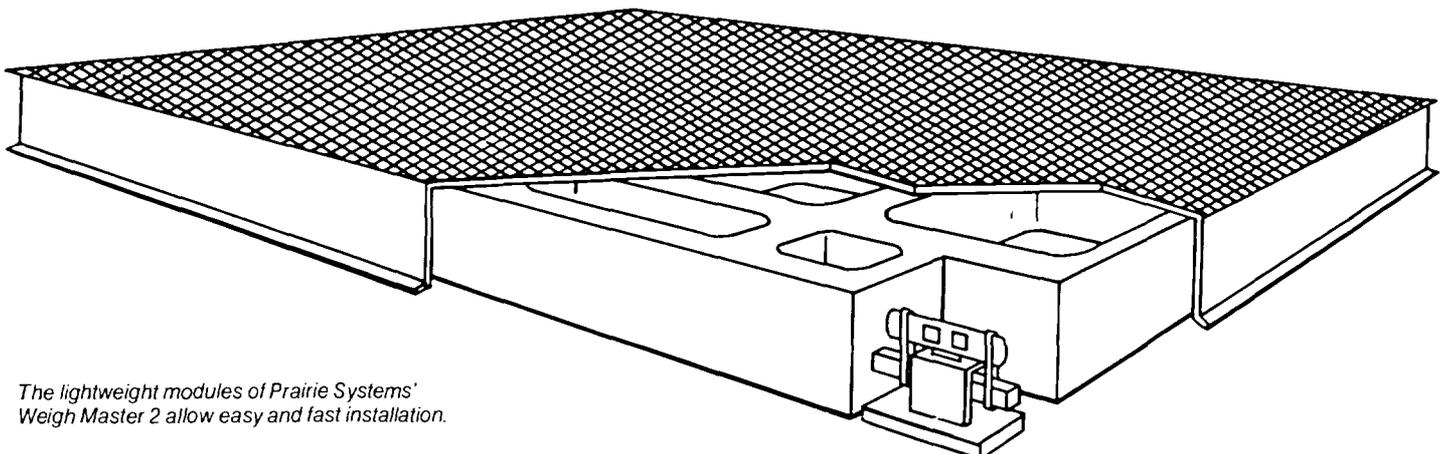
Cell location:

35.56 cm (14 in.) from each end of weighbridge, under wheel path

Suspension: double link system



Prairie Systems' Weigh Master 1 offers highly accurate, economical, reliable performance.



The lightweight modules of Prairie Systems' Weigh Master 2 allow easy and fast installation.

Ralph McKay (Canada) Ltd.
130 Hodsman Road
Regina, Saskatchewan
Canada S4N 5X4
Tel: (306) 545-9292

Contact

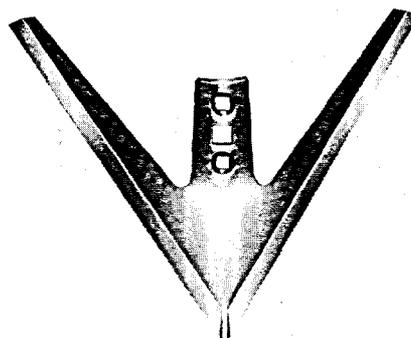
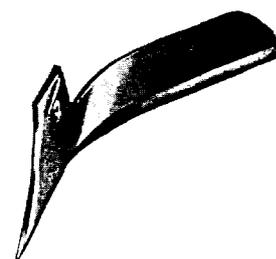
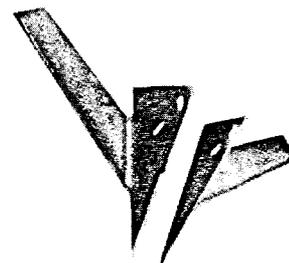
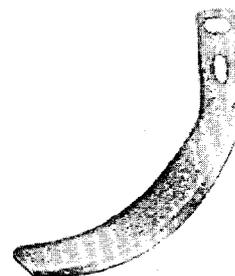
**Mr. H. Gaastra
President**

Ralph McKay (Canada) Ltd., with head office in Regina, Saskatchewan, is a subsidiary of Ralph McKay Limited of Australia. The parent company originated in 1932 when Ralph McKay commenced his own business, manufacturing plow discs and coulters in a rented factory at Ascot Vale in Victoria, Australia. Two years later he enlarged his facilities and transferred his operations to the present head office site in Melbourne, Australia.

The Regina plant is the most modern of its kind. Today, Ralph McKay (Canada) distributes and exports cultivating and earth-engaging components. The steel used in the production of sweeps is supplied by Canadian sources.

Ralph McKay has an impressive record in engineering and production innovation. The company's, Dart, Swing-Wing, and Nok-On sweeps lead with their performance in the field. All incorporate unique features which combine durability and efficiency, setting them apart from standard tillage sweeps.

The company also manufactures twisted chisels, furrow shovels, beaver tails, drill shoes, injector blades, furrowers, Texas busters, Alabama sweeps, vegetable tools, and sub-soiler points.



Row crop sweeps from Ralph McKay are manufactured to give long-lasting life and efficiency.

Ralph McKay offers a number of durable vegetable tools among its varied product line.

RENN Division of Anthes Industries Inc.

12555 - 127 Avenue

Edmonton, Alberta

Canada T5L 3E5

Tel: (403) 452-8080

Telex: 037-2685

Contact:

Mr. Jerry Young
General Manager

RENN, a 40-year old company, manufactures farm implements and equipment. Its product line includes: combine pick-ups, chisel plows, mulchers, harrow drawbars and harrows, hydraulic post drivers, grain augers, roller mills and truck boxes.

Model 995-12 ft. is designed for efficient, trouble-free operation in the daily working conditions of the modern combine. The bearings, drive parts, and frame components are engineered for optimum service at operating speeds of up to 1500 rpm. The RENN Model 995 double draper pickup is designed with an open frame construction to give better flexibility for more efficient swath picking over rough terrain. The double draper feature provides the ability to pick the swath cleanly and quickly, but because of the absence of teeth on the rear draper, the unit can be positioned on the cutter bar to eliminate any backfeeding. The 995-12 ft. has a self-aligning rubber disc drive coupler for orbit motor drive.

Overall length: 1070 mm (42 in.)

Picking width: 3378 mm (133 in.)

Overall mounting width:

3760 mm (148 in.)

Rolls:

100 mm x 6 mm (4 in. OD x 1/4 in. wall) high-strength steel tube

Roll shafts: 28 mm (1 1/8 in.) diameter

Bearings:

28 mm (1 1/8 in.) special heavy duty self-aligning sealed unit

Roller drives:

Chain drive to both rollers of front draper and to rear roller of rear draper

RENN's 7 in. and 8 in. grain augers have heavy duty intake guard for safety in use and clutch-type winch.

Tines:

Specially designed, extra low profile tine of nylon composition for longer wear. Single tines have less chance of picking damaging rocks. (60 tines per belt — 360 total)

Belts:

4 mm (5/32 in.) thick, fabric reinforced with heavy duty #2 SP Clipper lacing

Wheel struts:

Extra heavy 60 mm x 6 mm (2 3/8 in. OD x 1/4 in. wall), rigidly mounted to end frame

Tires: 4.00 x 8 — 2 ply pneumatic

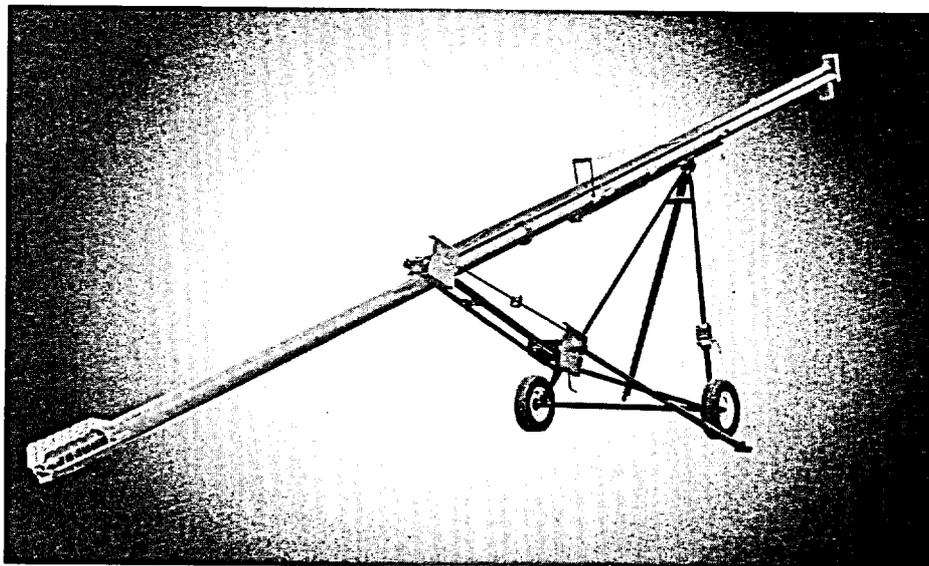
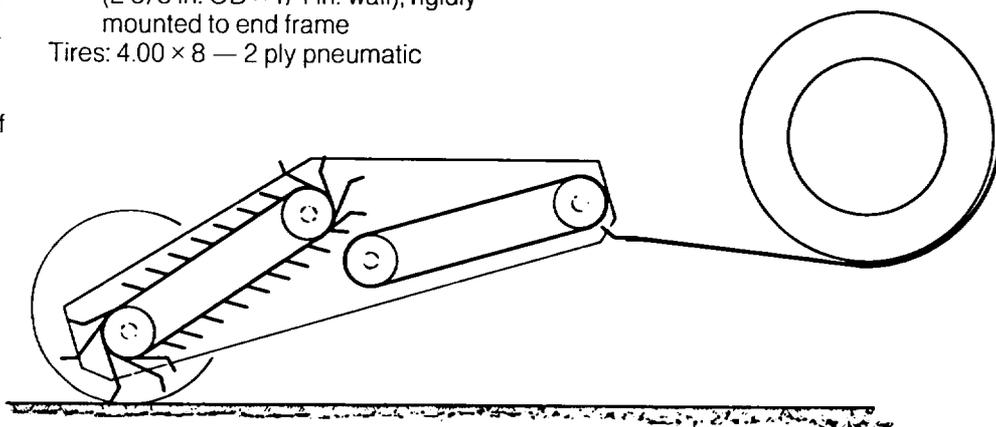
Crop guard:

Light weight, adjustable, plastic fingers for improved crop feeding into header auger

Weight:

Approximately 455 kg (1,000 lbs.), with crop guard, less drive kit

The drum profile is shown for the RENN Model 995-12 ft. heavy duty draper pickup which has an open frame construction for better flexibility.



Richardson Great Northern Manufacturing Inc.
P.O. Box 159, Station F
521 Golspie Street
Winnipeg, Manitoba
Canada R2L 2A5
Tel: (204) 669-4410

Contact:

Mr. D.J. Richardson
President

Richardson Great Northern Manufacturing Inc. has over 25 years experience in manufacturing field sprayers. It was the first company to manufacture pull type sprayers with two outrigger wheels to carry the boom at a more constant distance from the target on rolling land. The company was also the first to discover that a large single wheel construction not only virtually eliminated crop damage, but also was much easier to pull, especially in wet conditions.

Today, Richardson makes pull type sprayers from 90 L (20 gal.) to 6150 L (1350 gal.) tank assembly. No one has more experience in the manufacturing and design of large-boomed sprayers with outrigger wheels. Outrigger wheels on a walking axle equipped with "Eezirider" forks not only allow the most constant boom height, but also reduce vibration to the minimum.

Richardson Great Northern also makes skid mount sprayers, ATV sprayers, estate sprayers, and three point hitch sprayers. With over 70 models to choose from, Richardson offers the largest selection of sprayers manufactured in Canada.

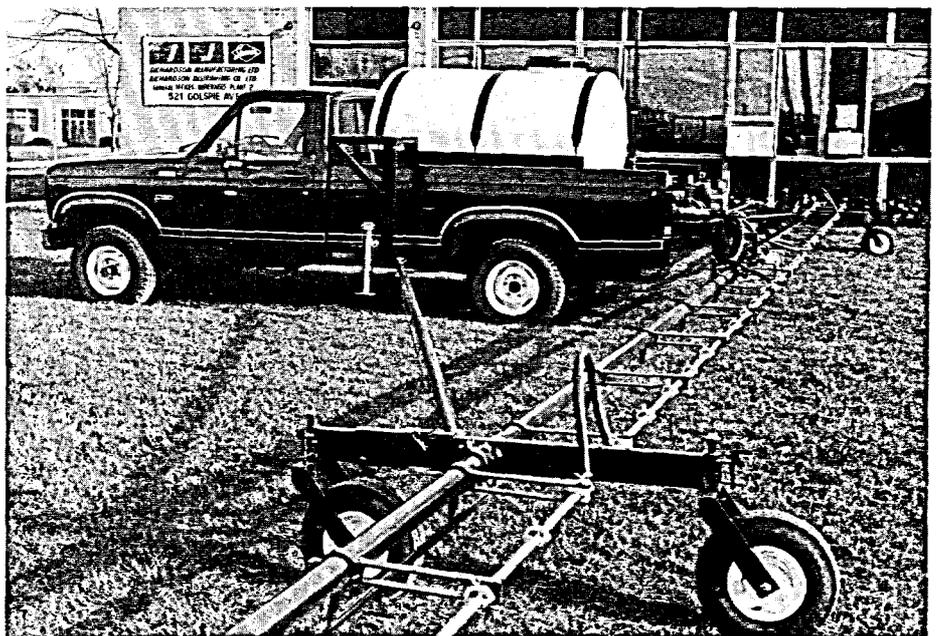
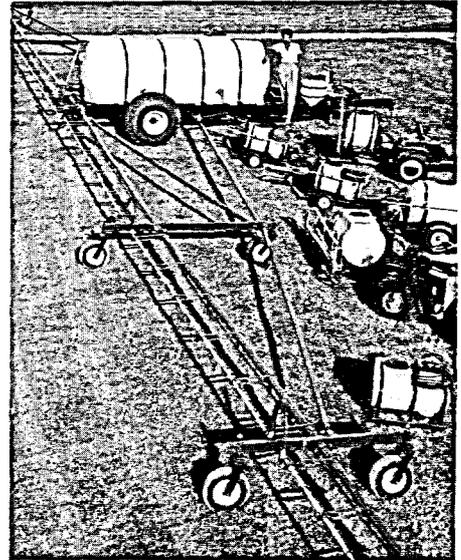
The Series 400 skid mount sprayers from Richardson Great Northern produce the widest coverage with the best spray pattern, compared to most others available.

Great Northern Pull Type Sprayers

Tank and frame assemblies available

1800 L (400 gal.); 11 L × 40.6 cm
(2.4 gal. × 16 in.) flotation tire
2270 L (500 gal.); 12.5 L × 40.9 cm
(2.7 gal. × 16 in.) flotation tire
3800 L (833 gal.); 16.5 L × 40.9 cm
(3.6 gal. × 16.1 in.) flotation tire
4000 L (880 gal.); 16.5 L × 40.9 cm
(3.6 gal. × 16.1 in.) flotation tire —
adjustable track width
6150 L (1350 gal.); 21.5 L × 40.9 cm
(14.7 gal. × 16.1 in.) flotation tire —
adjustable track width

Richardson Great Northern manufactures a number of different sprayers, some of which are shown here.



Rite Way Mfg. Co. Ltd.
P.O. Box 3344
1891 Albert Street N.
Regina, Saskatchewan
Canada S4P 3H1
Tel: (306) 543-6777 Telex: 071-2633

Contact

Mr. Les Hulicko
President

Rite Way Mfg. Co. Ltd. was incorporated in 1969 as a one-person welding and repair shop. Today Rite Way is a leading manufacturer and supplier of quality farm machinery for North America. The company has two modern plants in Regina, and Imperial, Saskatchewan. It is at the forefront of developing new agricultural machinery designed to be durable and cost effective for the progressive farmer.

Harrow Packer Draw Bar

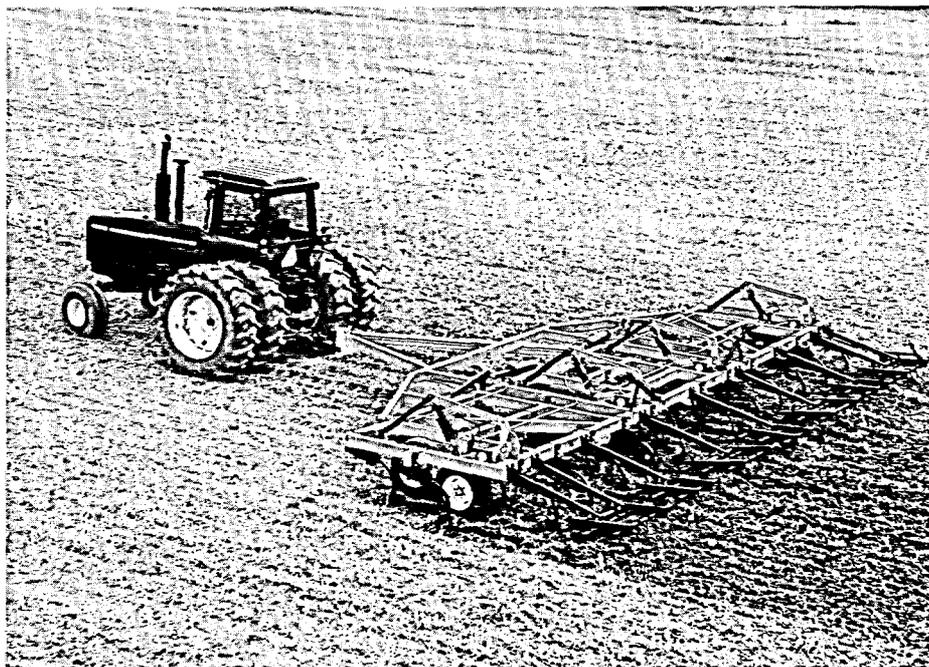
The Rite Way Mfg. Harrow Packer Draw Bar is the finest seed preparation equipment available. It greatly enhances uniform germination, and conserves moisture. It can also be used for chemical incorporation. It is available in sizes of 10, 14, 18, and 22 m (34, 46, 58, and 70 ft.).

Rite Way 6 × 4 Series Interceptor Chisel Plow

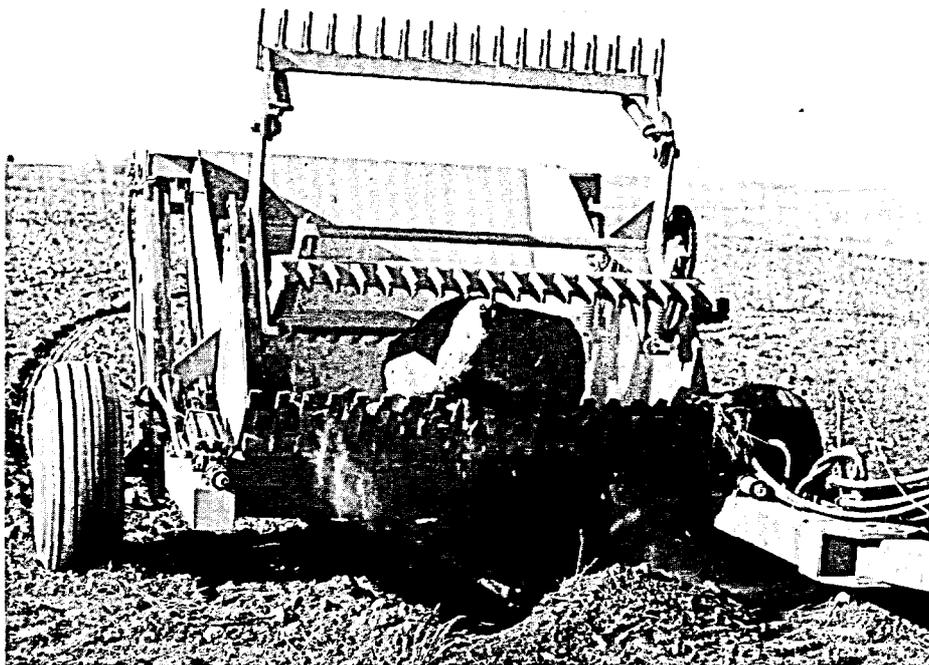
Built in Western Canada for "big country" performance, the Interceptor Chisel Plow is years ahead in design and is a recognized leader in chisel plows. Its computer-designed main frame delivers accurate depth with exceptional trash clearance. The Interceptor was designed for safety and durability. Available from 4 to 16 m (13 to 53 ft.).

Rite Way Offset Breaking Disc Harrow

For tough tillage jobs, the Rite Way Model D68 extra heavy duty Offset Disc Harrow is designed for single pass, primary breaking of virgin and freshly cleared land, and for stubble work down, hayland, and grassland breaking. It is available from 3 to 8 m (10 to 28 ft.).



Rite Way's Interceptor chisel plow is computer-designed and field-proven for more strength and durability even under severe conditions.



Rite Way's rock picker is just one of the company's complete line of rock-removing equipment.

Rock-O-Matic Industries

P.O. Box 70

Vonda, Saskatchewan

Canada S0K 4N0

Tel: (306) 258-2074

Telex: 074-2317

Contact:

Mr. Gary Barr

Rock-O-Matic Industries, located approximately 35 km (22 mi.) northeast of Saskatoon, Saskatchewan, has been designing, manufacturing, and refining rock pickers for over 20 years. The company's experience in land clearing started with a home made rock picker and has grown to a full line of 21 models, plus many accessories to help pick rocks and put land into production.

Only Rock-O-Matic rock pickers have the patented eccentric reel rake action. This design easily picks rocks from 5 cm to 50 cm (2 in. to 20 in.). The machines are available from 1.52 m to 5.08 m (5 in. to 16.8 in.), with windrowers from 2.44 m to 8.53 m (8 ft. to 28 ft.) to operate in all types of terrain and conditions.

Being aggressive and innovative in the agricultural industry, Rock-O-Matic has now designed the only 9.15 m (30 ft.) FLEXIBLE combine table. This new header alone may transform entire harvesting practices. The table's full flotation wings easily follow the contour of the land and make it possible to pass through gullies and over hilltops.

Model HD58

Height: 2.1 m (6.8 ft.)

Width: 3 m (9.8 ft.)

Length: 5 m (16.3 ft.)

Weight: 2461 kg (5420 lbs.)

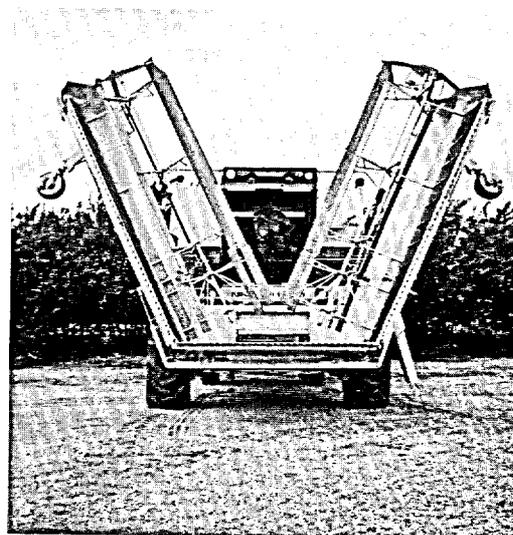
Picking width: 1.5 m (5 ft.)

Dumping height: 2.4 m (8 ft.)

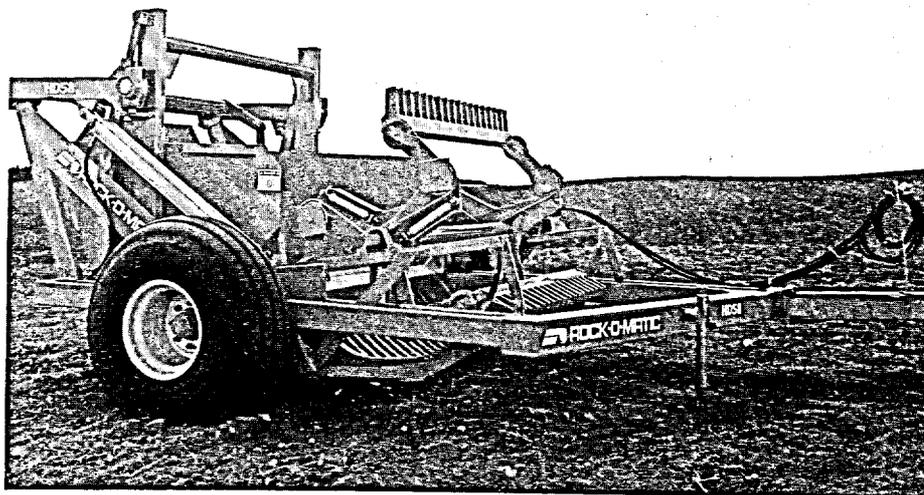
Tires: 2 - 16.5 x 16.1

Cylinders: 2 - 3½ x 42

Drive: PTO or hydraulic



The Rock-O-Matic Crop Hawk flexible header adapts to most makes of mainline combines and easily folds up for transportation.



The Model HD58 rock picker from Rock-O-Matic Industries comes with many features such as ductile removable apron, shock absorbers and flotation tires.

Rogers Engineering Inc.
1510 Hilliard St. E.
Saskatoon, Saskatchewan
Canada S7J 0G4
Tel: (306) 477-2667

Contact

Mr. R. Barry Rogers
President

Rogers Engineering Inc. was incorporated in 1982, to research and develop advanced agricultural equipment. The company markets plot research equipment through Innovative Equipment Inc., and field-size equipment directly or through licensees. Rogers Engineering Inc. is currently seeking licensees internationally in an effort to expand its export sales.

Rogers Engineering Inc. has researched and developed a shrouded sprayer called the Windproof. Wind tunnel tests were used to develop the shroud's geometry and air flow patterns. Field drift studies established the drift control, plus field operational characteristics and durability. Drift is a traditional problem with spraying. The earliest documented shrouded sprayer found was built by the British around 1950. Its fate is uncertain, but it was not commercially produced. Several others followed, but none has been offered to the commercial market.

The Windproof Plot Sprayer with its dynamically designed enclosure mechanically contains the drift, making it not only safe, but efficient to spray on windy days. This sprayer's shroud (patented) safely applies conventional or mist-sized drops that increase coverage and give control with 10 L/ha (.89 gal./acre) and less than the recommended rates of chemical.

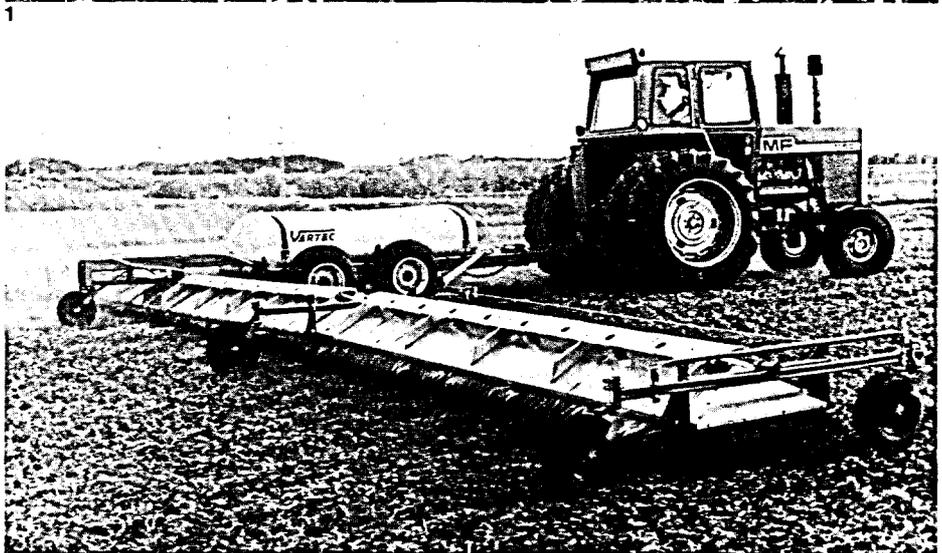
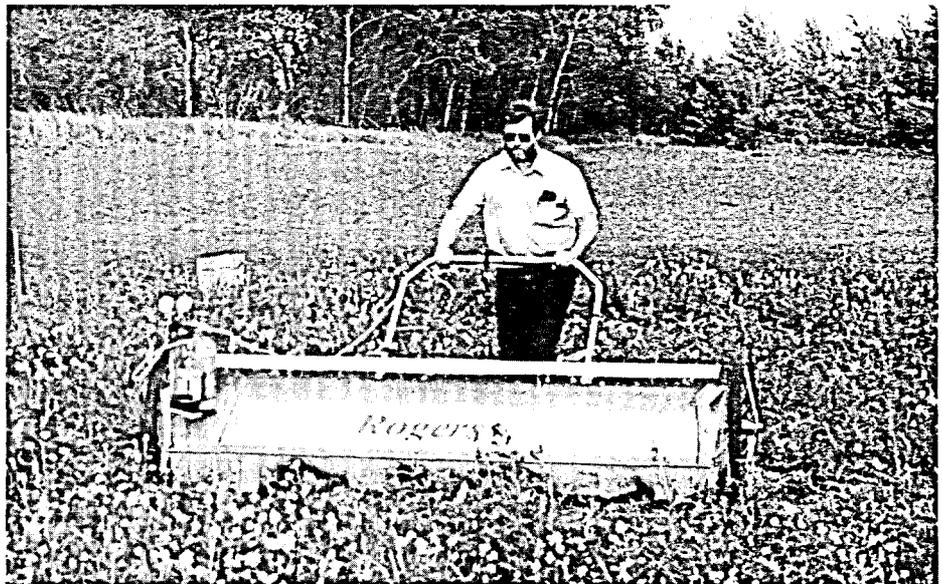
1 Rogers' Windproof Plot Sprayer can be pushed by hand or pulled by a small tractor.

2 Even in a 50 km/hr wind, the Windproof Sprayer operates efficiently and effectively.

Windproof 2 m (6 ft. 6 in.) Plot Sprayer

This unit can either be pushed by hand or pulled with a small tractor or ATV side hitch. Construction materials are aluminum and polyethylene. Other Windproof plot sprayers can be mounted on 3-point hitches front or rear, on to ATVs, or in truck boxes.

- 2 m (6 ft. 6 in.) effective spray width
- can spray crops from 0 to 1 m (3 ft. 3 in.) high
- uses 4, 80° spray tips at .5 m (20 in.) spacing
- CO₂ pressure system, 1 or 2 L (.22 or .44 gal.) chemical bottles
- total length 2.5 m (8.3 ft.); width .8 m (2.5 ft.)
- weight 36 kg (80 lb.)



Rotheisler Equipment Limited

R.R. No. 1

Oliver, British Columbia

Canada V0H 1T0

Tel: (604) 498-2506

Contact:

Mr. E. Rotheisler
President/Manager

Rotheisler Equipment has been manufacturing self-propelled hydraulic platforms for 20 years, and its Kangaroo model has earned an excellent reputation as a sturdy, compact machine that works reliably and efficiently.

The Kangaroo is self-propelled with a 10.4 or 13.4 kw (14 or 18 H.P.) engine. It is built in dynamic balance for an exceptionally smooth operation. The hydraulic pump is mounted on the engine with belt drive so that full rubber engine mountings can be used to ensure vibration-free operation.

All six Kangaroo models are equipped with a foot control, leaving both hands free. This is accomplished by a master and slave system. The machine is built with a sturdy tube main frame A-frame and boom. The basket stays between the rear wheels to prevent side-tipping.

The patented lift design allows the basket to travel almost straight up and down, maintaining maximum balance. The Kangaroo's hydrostatic drive gives it unlimited manoeuvrability. Farmers may choose available options (listed below) to customize the Kangaroo to meet their individual needs. Options include: single hose, electric-hydraulic pruner, disc brakes (positive hold on hillsides), electric push-button 2-speed, tow bar and box racks.

The six Kangaroo models have working heights of 4.5 m (15 ft.), 5.4 m (18 ft.), 7.3 m (24 ft.), 9.1 m (30 ft.), 11.88 m (36 ft.) and 13.86 m (42 ft.). Their tuning radii are 183 cm (72 ft.), 213 cm (84 ft.), 243 cm (96 ft.), 264 cm (104 ft.), 299 cm (114 ft.), and 366 cm (144 in.), respectively. Lifting capacities are 181 kg (400 lbs.) for the three smaller models,

and 227 kg (500 lbs.) for the three larger ones. The three smaller machines have 10.4 kw (14 H.P.) engines, the three larger 13.4 kw (18 H.P.)

Rotheisler's self-propelled Kangaroo offers efficient and reliable performance.



Sass Manufacturing Limited
114 Sass Road
Chatham, Ontario
Canada N7M 5J4
Tel: (519) 352-0600

Contact
Mr. M.J. Sass
President

From a welding shop beginning 40 years ago, Sass Manufacturing has expanded and remained active in a varied field of metal fabrication. These applications include design, engineering, fabrication and installation of such structures as: pumping stations, seed grain drying, storage and conditioning plants, marine dock facilities, overhead cranes, material handling and storage, bins, tanks and special equipment for food processing industries, as well as industrial plants of various sizes and complexity.

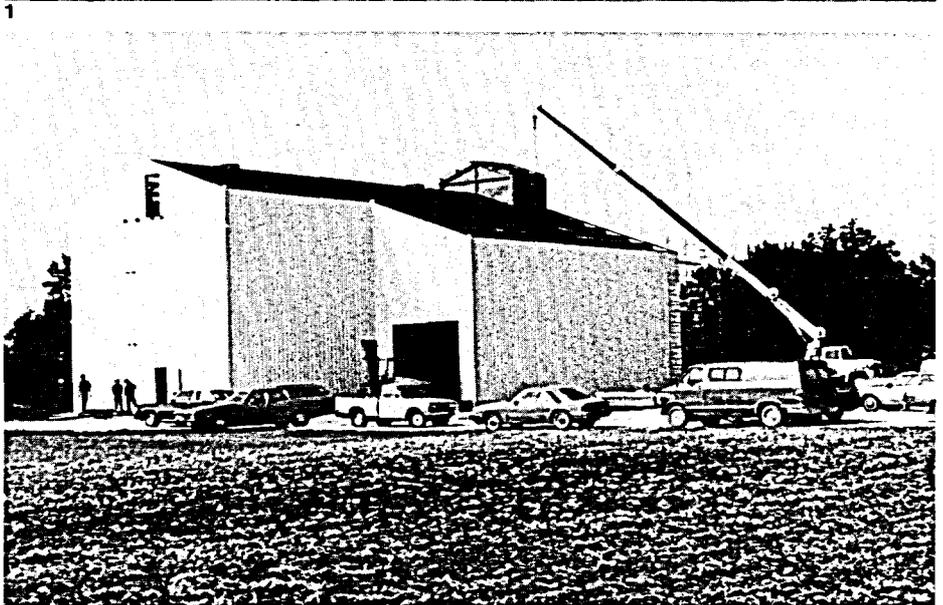
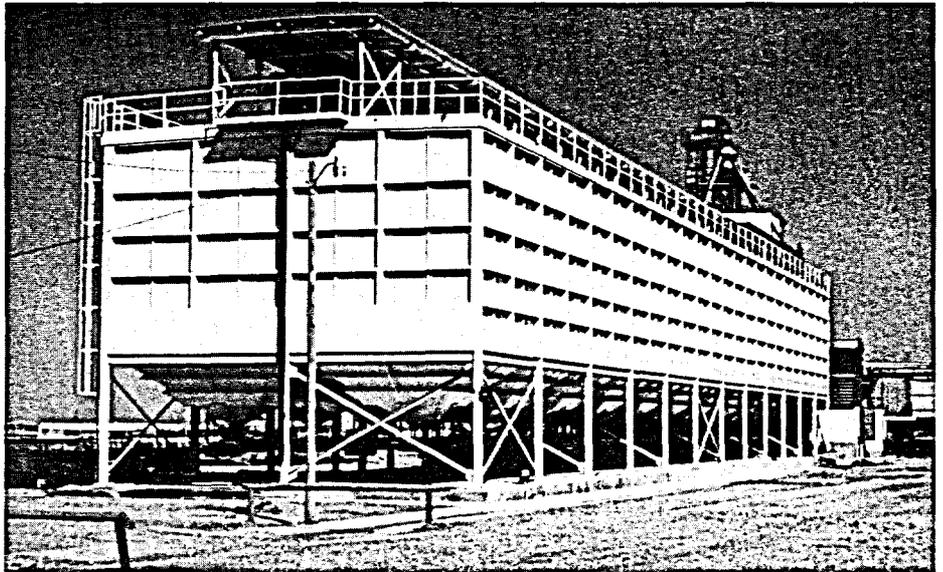
Agriculture and industry generate many unusual requests for storage and processing facilities. Customers may choose from standard Sass designs or ask that their facility be built to their own specifications. An important part of the company's operation includes fabrication of seed corn dryers, conditioning and sorting buildings, bulk storage facilities, bulk fertilizer mixing and handling tanks, storage bins, conveyors, tank support towers, silos, cyclones, waste disposal bins, and liquid storage tanks.

What some other fabrication companies might refer to as "specials" are most often available on a regular basis to Sass customers. Its fully equipped

machine shop with its certified welders, provides complete miscellaneous and custom work, including shearing, braking, rolling, forming, punching, drilling and welding. The services of the firm's engineering, drafting and design department can include design assistance, integrated material handling

systems, turnkey proposals, preliminary, construction and installation blueprints, and accurate estimates supplied within a matter of days.

From concept to completion Sass can support all seed corn handling requirements, large or small.



1 Sass Manufacturing produced this soybean bulk storage facility which is located in Renwick, Iowa in the United States.

2 This sorghum bulk storage building in Plain View, Texas, USA, was built by Sass Manufacturing.

Schouten Feeders Incorporated Inc.
R.R. #2 Greens Road
Caledonia, Ontario
Canada N0A 1A0
Tel: (416) 765-2225

Contact:

Mr. Ben. H. Schouten
President

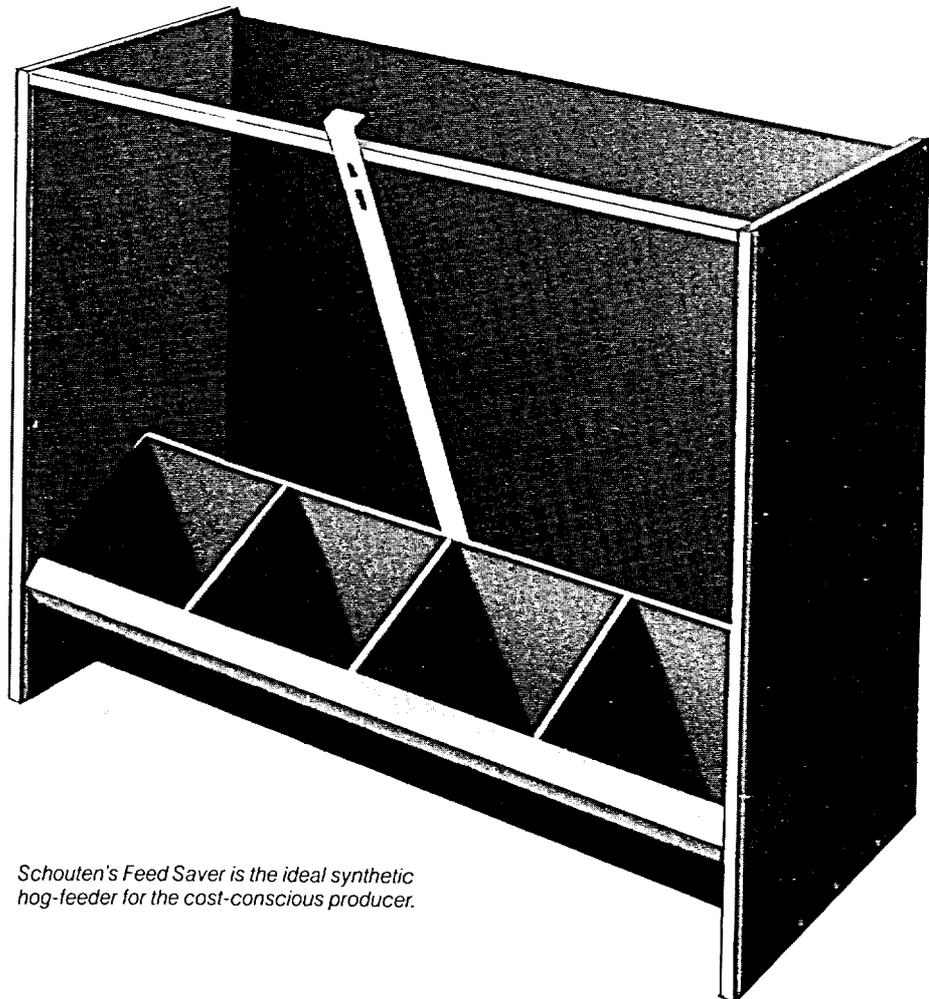
The firsthand experience in the hog-producing business of the founder of Schouten Feeders acquainted him with the problems farmers experienced with galvanized feeders. He decided to take steps towards manufacturing a hog feeder of better quality. A trip to the Netherlands, where polyethylene hog feeders are produced, convinced him that the product would sell in Canada.

Schouten Feeders was incorporated in 1983. The new company began by bringing 50 pre-cut hog feeders from the Netherlands and assembling them in Canada. After a short time, Schouten Feeders decided it could manufacture an even better hog feeder by changing the design and using stainless steel instead of galvanized steel for the trough partitions and spillbar. Today, while the polyethylene sheets used in the feeders continue to be imported, all other materials are manufactured in Canada.

The hog-producing business is very competitive. Schouten Feeders' hygienic hog feeder can save farmers 5-10 per cent of their feed loss. This adds up to a significant year-end saving for Schouten's customers. The Schouten Feed Saver hog feeder does not absorb moisture, and therefore it

does not rot, eliminating bacteria growth. The Feed Saver can be cleaned and disinfected easily as dirt does not adhere to its smooth surface. Because of its long life, it costs less than any other comparable hog feeder.

Schouten Feeders sell Feed Savers in a range of sizes to serve all the needs of hog farmers. Special sizes are also available upon request.



Schouten's Feed Saver is the ideal synthetic hog-feeder for the cost-conscious producer.

Schulte Industries Ltd.
P.O. Box 70
Englefeld, Saskatchewan
Canada S0K 1N0
Tel: (306) 287-3715

Contact:

Mr. J. Carnago
Sales Manager

Schulte Industries was founded in the late 1930s. At that time the business was a general welding blacksmithing operation. In the 1940s, brush clearing machines were manufactured by Schulte for individual farmers in Saskatchewan and Manitoba. In the early 1950s, the company saw a need for a light front-mount snow plow that could be adapted to farm tractors. These units were developed and a small Schulte dealer network was established.

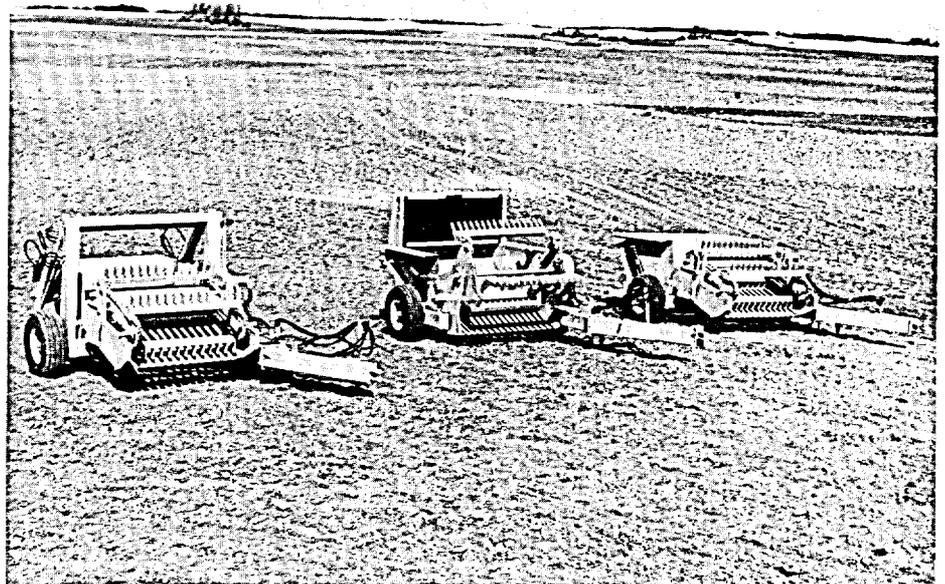
In 1960, the first Schulte rock picker was built and tested. Several units were sold and, by 1963, the machines were in great demand all over Western Canada and northern U.S.A. In 1967, Schulte Industries Ltd. entered into a contract with Schulte Sales Ltd. to market Schulte equipment world wide. This was the beginning of the Schulte success in overseas export.

Today, the company is still family-owned, operating from a 3,255 m² (35,000 sq. ft.) complex erected in 1976. Schulte now produces a complete line of rock removal equipment, snow blowers, hydraulic earth scrapers, HD cultivators, as well as a line of pump jacks for the oil industry.

Product specifications for one of Schulte's Rock Pickers, the RS320 are provided below.

As with all Schulte conveyor type rock pickers, the RS320 features a continuous conveyor pick-up for non-stop picking. The floating continuous conveyor is an exclusive feature of Schulte RS model rock pickers and results in a gentle picking action, compared to conventional rotating reel type rock pickers. The RS320 Rock Picker removes surface rock from 50 to 700 mm (2 in. to 28 in.) diameter. A long 1190 mm (47 in.) tapered steel grate and grated hopper bottom combine to assure that a minimum of dirt is loaded while picking rocks.

Weight (approx.): 2200 kg (4840 lb.)
Overall length: 5334 mm (210 in.)
Width with tires: 2972 mm (117 in.)
Width less tires: 2108 mm (83 in.)
Overall height: 1346 mm (53 in.)
Hopper capacity: 2.4 m³ (3.2 cu. yd.)
Dumping height: 1140 mm (45 in.)
Tire size: 16.5 L x 16.1 (36 gal. x 16.1)
Required horsepower: 56 kW (75 H.P.)
Required tractor hydraulic cap. at remote outlets:
64.5 L/min @ 12,066 kPa (12 GPM @ 1750 PSI)



Schulte Industries, the producer of rock removal equipment for any and all rock removal projects, has machines in use worldwide.

Sellick Equipment Ltd.

P.O. Box 1000

358 Erie Street N.

Harrow, Ontario

Canada N0R 1G0

Tel: (519) 738-2255 Telex: 064-77710

Contact:

Mr. Walter R. Sellick
President

Sellick Equipment Ltd. is a leader in the field of rough terrain material-handling equipment. From its beginnings in 1968, Sellick Equipment has emerged as one of the most progressive manufacturers of rough terrain forklifts and attachments in the history of the industry. The company has grown and prospered by providing customers with quality machinery at a fair price.

After a long association with Ford Motor Company's Tractor Division in Detroit, US, Sellick began by modifying an industrial tractor supplied by Ford into a 2721 kg (6,000 lb.) forklift for use outdoors. A basic sub-frame, mast and counterweight design resulted in what is now known as the tractor turn-around series.

As advancements were made in the design and construction of heavy-duty lift trucks, the integral one-piece frame concept was introduced across all model lines in 1975. The Ford tractor power train was retained as the basic power module for most models.

The introduction of the Teleporter telescopic boom machine in 1981 marked the beginning of yet another new phase in outdoor material handling machines from Sellick. Available in both 2267 and 2721 kg (5,000 and 6,000 lb.) capacities with boom heights of 6.7 m and 9.1 m (22 ft. and 30 ft.), these versatile boom handlers have virtually taken over the construction site placement market. The larger Maxi-Reach 3628 kg, 10.4 m (8,000 lb., 34 ft.) boom handler complements the Teleporter.

The heavy duty Rough Terrain Poultry Coop Handler from Sellick Equipment comes in either 2- or 4- wheel drive.

Today, Sellick lift trucks are sold and serviced by all ten Caterpillar lift truck dealers in Canada and to over 55 dealers in the US and overseas.

Product features of the new SC-40 and SC-50 Sellick Rough Terrain Lift Trucks

- 1814 kg (4,000 lb.) and 2268 kg (5,000 lb.) lifting capacity at 61 cm (24 in.) load centre
- 66/60 gross engine H.P. gas/diesel continental
- 2.7 L (165 cu. in.) engine — propane optional
- 4 speed full synchromesh torque converter transmission — shift-on-the-go
- 2 and 3 stage full Free Lift See Thru Hi-Visibility Masts
- manual disconnect for 4-wheel drive lockout
- 30 cm (12 in.) minimum under clearance

- 60 per cent gradeability — 1.6 to 24 k.p.h. (1 to 15 m.p.h.) travel speeds
- compact dimensions and short turning radius
- will operate effectively in any indoor/outdoor application

The Sellick Rough Terrain Lift Trucks, with compact dimensions, operate effectively indoors or outdoors.



Simon-Day Ltd.

P.O. Box 488

1425 Whyte Avenue

Winnipeg, Manitoba

Canada R3C 2J6

Tel: (204) 786-5781 Telex: 07-57327

Contact:

Mr. Edward Buchik
Director

Simon-Day Ltd., a national company with its corporate office in Winnipeg, has been manufacturing grain cleaning and dust control equipment since 1930. Simon-Day's growth and success are built on a long-standing commitment to fairness, quality, and corporate growth within its capabilities.

Simon-Day can provide a single component piece of machinery, or it can design, build, and install complete turn-key systems. Simon-Day's objective is to improve the environment by selective concentration in areas of agriculture, food processing, energy and pollution control.

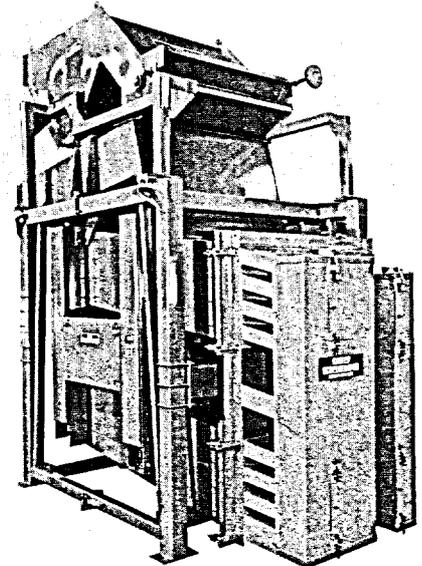
Simon-Day designs, fabricates, and installs dust control systems, pneumatic conveying systems, milling equipment, and cleaning and sizing equipment in a total systems concept. In addition to its Winnipeg plant, other facilities are located in Montreal, Cobourg, Toronto, Thunder Bay, Calgary, and Vancouver. Simon-Day equipment and systems have an international reputation for quality and can be found throughout Canada, and in more than 125 countries around the world including China, Japan, Western Europe, Africa and Australia.

Carter Screen Machine

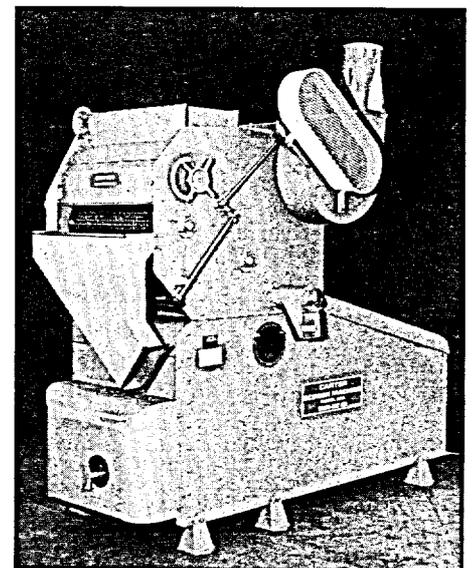
Simon-Day's Carter Screen Machine is a total seed and grain-cleaning machine which combines the features of a scalperator and a gyratory screen cleaner. This is a space and energy saving unit, designed to eliminate the

lost time and labour of two separate cleaning operations. Foreign material such as sticks, straw, stones, etc. are removed by a scalping reel. Lightweight impurities are then removed by aspiration. The coarse and fine screening operation removes large and small foreign materials.

Totally enclosed, all metal construction makes the machine dust-tight. Live rubber balls are used instead of brushes to reduce maintenance. Screens can be removed quickly and easily. The unit comes in two types, with or without a scalper, and five different models. Capacities range from 7,274 to 7,240 L/ha (81 to 810 bu./acres) on grain. The Carter Screenerator is available in two basic configurations — parallel flow and counter flow. There are two deck sizes and a variety of screen arrangements available which make it suitable for a number of cleaning requirements from coarse or fine seed to grain. The patented drive uses only one moving part, mounted on its own frame, dynamically balanced. Options include an aspirator and a pre-scalping deck. Capabilities of 436,440 L/ha (4,860 bu./acre) or more have been achieved, depending on the application.



The Carter Screenerator from Simon-Day is a high capacity, flat rotary grain cleaner that has a unique centre drive system.



Simon-Day manufactures the Carter Screen Machine, a total seed and grain cleaning machine that combines the features of a scalperator and a gyratory screen cleaner.

Spierco Industries Ltd.
5316-36th Street S.E.
Calgary, Alberta
Canada T2C 2H2
Tel: (403) 279-0777

Contact:
Mr. W.A. Spiers
President

Spierco Industries Ltd., incorporated 1971, took over a line of fertilizer applicators from Cominco Ltd. The founder of Spierco had worked with Cominco in the development and production of these applicators before setting up Spierco Industries Ltd. Spierco has sold applicators in the Western provinces and in other parts of Canada. The company has also sold its applicators in the United States, Australia and South Africa.

Spierco also produces granular application equipment for fertilizer, herbicides, and insecticides. These applicators are mounted on seed drills, field cultivators, and, in some cases, pull type spreaders. Spierco applicators are designed for years of trouble free service. They require very little maintenance as there are few moving parts. Drives are simple to mount and are ground related. There are no gears or sprockets. Applicators can be emptied quickly and easily. Spierco applicators are inexpensive in comparison to other equipment and have been on the market for 25 years.

In addition, the company manufactures a hand-held weed wiper which reduces cost (50 per cent or less), is environmentally acceptable as there is no drift, provides better performance, and is selective.

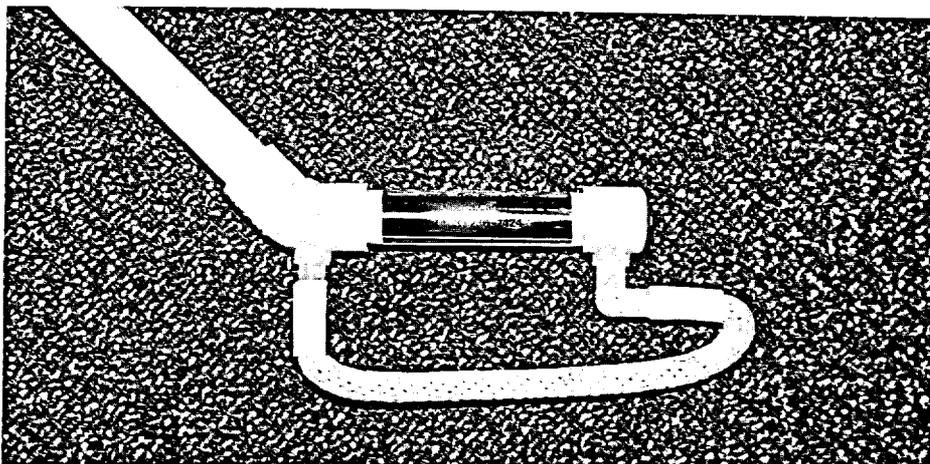
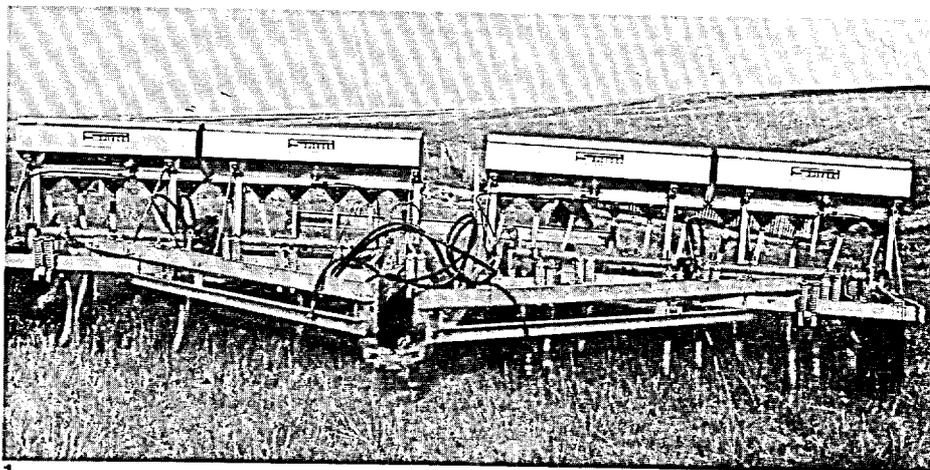
Spierco Band Your-Fertilizer —
Mountings for cultivators, chisel plows, etc.

Spierco currently has two box capacities: 74.3 kg/m (50 lb./ft.), 118.9 kg/m (80 lb./ft.), and will soon add a third — 215.5 kg/m (145 lb./ft.). Add boxes together to make up the width of the machine. Boxes come complete with mounting brackets and drive. They can be used to apply herbicides, insecticides and fertilizer.

Econo Wipe — Weed Wiper

The value of weed wiping has been recognized since the early 1900s. However, it has only been since the development of wiping machines such as Econo Wipe that it has proven to be practical and economical. Today, weed wiping is the modern solution to weed control.

Reduced Costs: Wiping applies herbicide only to target weeds. The consumption of herbicide is reduced to approximately 10 to 50 per cent of the amount required in a spray solution — 2.5 to 5 L per hectare (.22 to .44 gal. per hectare).



1 Spierco's deep banding boxes shown here are mounted on field cultivating equipment for applying fertilizer.

2 The hand-held weed wiper from Spierco is selective in application of herbicides and operates efficiently.

Stirco Inc.
 400 Richmond Street
 Chatham, Ontario
 Canada N7M 1P9
 Tel: (519) 351-1777

Contact:
 Mr. Don Stirling
 President

Stirco Inc. was established in 1982. Operations are housed in a 1116 m² (12,000 sq. ft.) plant in Chatham, Ontario. Stirco designs and manufactures specialized agricultural mixing equipment for the beef and dairy industries. The company has successfully developed and patented new equipment which it now manufactures and sells throughout North America.

The principal products manufactured by Stirco are Roto-Master Feed Mixers. A main rotor is used in conjunction with two augers to tumble and blend feed material into a homogeneous mix. This method requires fewer kilowatts than conventional mixers. Also, by design, no unloading conveyors are necessary for most applications. Maintenance and cost per 1000 kg of mixed material have been found to be less than for other systems. Seven models are available in truck, trailer, and stationary configurations, ranging from 4790 dm³ to 18775 dm³ (125 cu. ft. to 490 cu. ft.).

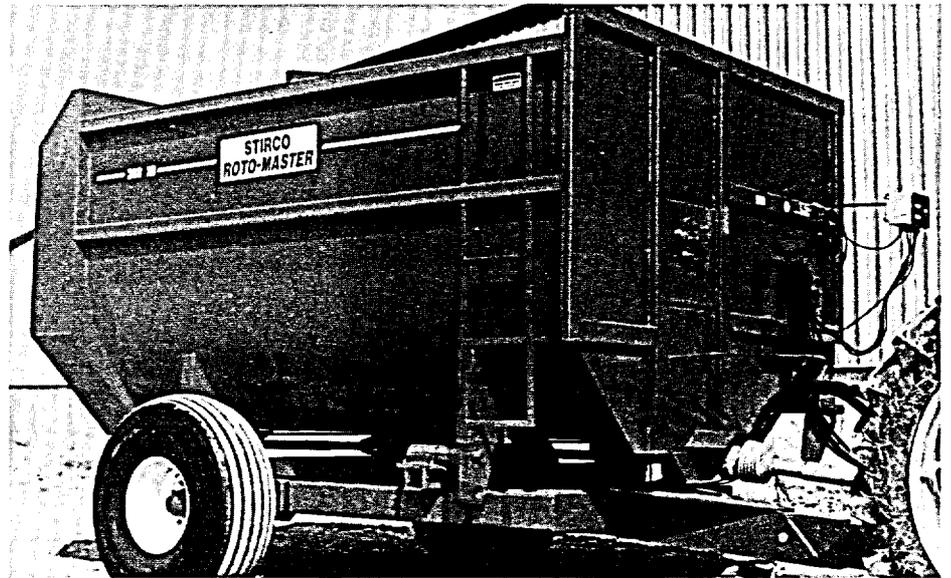
Specifications are provided for Model 350-10

Capacity: 350 cu. ft.
 Length inside: 305 cm (120 in.)
 Length overall: 356 cm (140 in.)
 Width inside: 229 cm (90 in.)
 Width overall — spout up:
 259 cm (102 in.)
 Height inside: 178 cm (70 in.)
 Height w/scale on trailer:
 259 cm (102 in.)
 Discharge opening width:
 107 cm (42 in.)
 Tub bottom: .6 cm (1/4 in.)
 Auger bottom: .6 cm (1/4 in.)
 Front & rear end plates: .6 cm (1/4 in.)
 Upper sides: .5 cm (3/16 in.)

Bottom auger tube wall: 1.2 cm (1/2 in.)
 Bottom auger flights: .9 cm (3/8 in.)
 Top auger flights: .6 cm (1/4 in.)
 Drive chains: 80 - 100
 Rotor drive: D-80
 Top auger shaft ball brg.: 7.6 cm (3 in.)
 Bottom auger shaft w/double roller brg.:
 8.9 cm (3 1/2 in.)

Roto shaft w/double roller brg.:
 8.9 cm (3 1/2 in.)
 Weight basic unit approx.: 7500 lbs.

- 1 The Stirco Roto-Master Feed Mixer provides fast, even mixing with less horsepower.
- 2 With the Stirco Roto-Master Feed Mixer, less maintenance is required than with other systems.



Sullivan Strong Scott Ltd.
 74 Wildcat Road
 Downsview, Ontario
 Canada M3J 2V4
 Tel: (416) 661-5880

Contact:

Mr. J.G. Sullivan
 President

For more than 30 years, Sullivan Strong Scott has served the bulk materials-handling industry in Canada. The company began in Ontario in 1947 as Sullivan Mill Equipment Ltd. Originally it distributed product lines from leading process equipment manufacturers in Canada and the United States.

In 1973, Sullivan Mill Equipment Ltd. purchased Strong-Scott Ltd. of Winnipeg — a company that had been established in 1909 and was the leading manufacturer of conveyors in Western Canada. Today, Sullivan Strong Scott operates nationally, maintaining its head office in Toronto. Its cross-country facilities are located in Vancouver, Calgary, Winnipeg, Cannington, Montreal, Toronto, and Halifax. The company's sales are split fairly evenly — approximately 50 per cent in Western Canada and 50 per cent in Eastern Canada.

The Winnipeg plant occupies a modern 6510 m² (70,000 sq. ft.) building where the company manufactures its complete range of conveyor and material-handling equipment for the domestic agricultural market (primarily feed and grain). In addition, the Winnipeg facility manufactures Helicoid Flighting for screw conveyors, buckets for elevators and distributors, for all the company's markets.



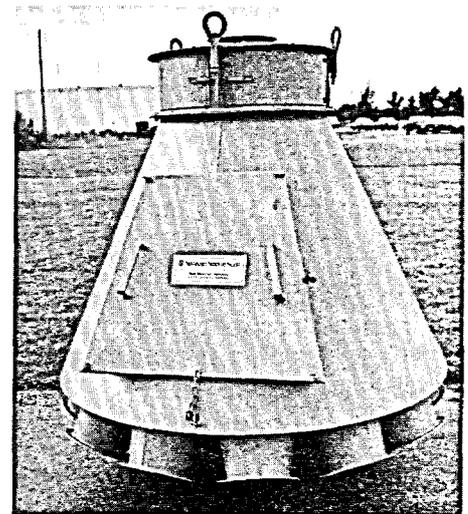
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Sullivan Strong Scott Distributors

This equipment is designed to distribute bulk granular materials from one or two spouts or conveyors to one or two of up to 36 spouts, conveyors, or bins. They are available in both manual drive and electric drive. The electric models are supplied with all electrical components, including an electronic controller. The electric drive units feature minimum control wiring and dynamic braking of the drive motor. They also have the capability of interfacing to a programmable controller or computer.

There are the three basic models. Some of the specific features of each are as follows:

- "A" style:
 - greatest range of sizes and angles available
- "H" style:
 - single or dual inlets
 - bolted construction allows fitting into existing structures through access



2

- doors and allows greatest flexibility in replacing worn parts
- highest capacity
- full overflow on each outlet
- "R" style:
 - smallest overall size for equal capacity
 - manual over-ride on electric models
 - fastest delivery

1 In the foreground are Sullivan Strong Scott's "A" style bulk granular product distributors and in the right background, its "H" style distributor.

2 Sullivan Strong Scott's new "R" style bulk granular product distributor has the smallest overall size without loss in capacity.

Sutherland Steel Foundry Ltd.
139 - 105th Street E.
Saskatoon, Saskatchewan
Canada S7N 1Z2
Tel: (306) 955-8080
Telex: 074-21653

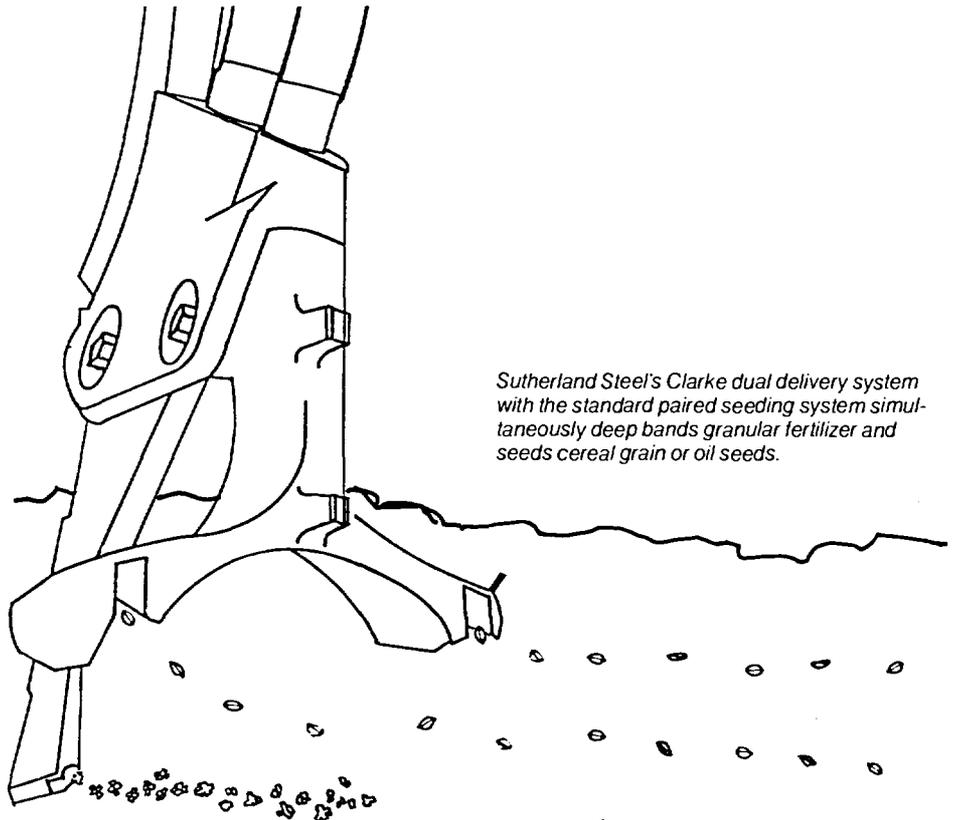
Contact:

Mr. George P. Clarke
Vice President, Marketing

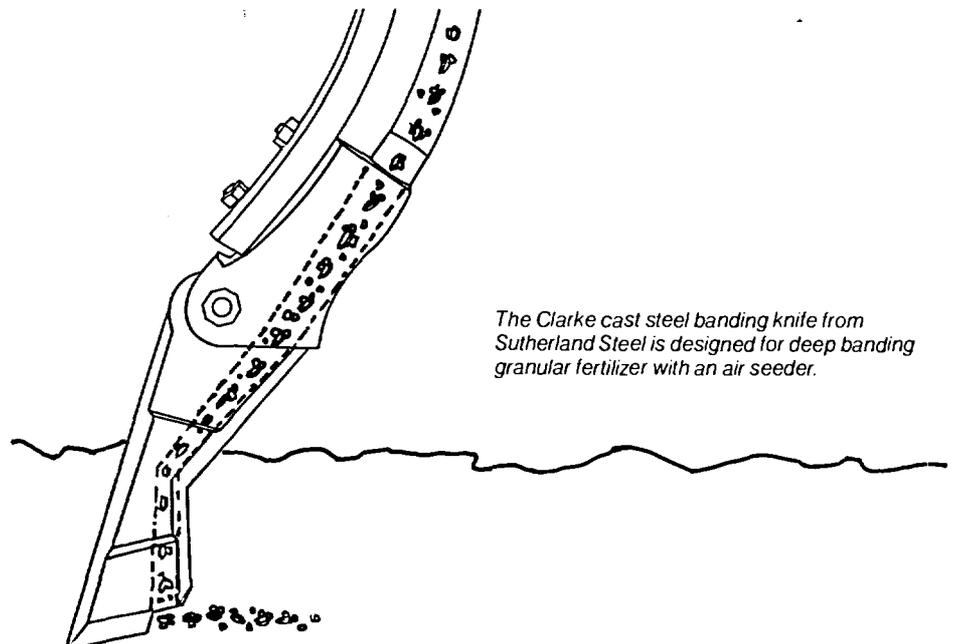
Sutherland Steel Foundry Ltd. is a modern steel and iron foundry located in Saskatoon, Saskatchewan.

Sutherland Steel, formerly A-1 Steel & Iron Foundry Ltd., has a long history in the foundry industry as a producer of alloy, manganese and stainless steels along with grey, ductile, ni-hard and chrome irons. The firm employs induction melting and is 100 per cent dedicated to chemical binders in the moulding process. The support facilities for the foundry include: core making, pattern shop, heat treatment, and a well-equipped laboratory with a Baird VS-5 spectrometer.

Sutherland Steel produces the patented Clarke family of delivery systems for placement of granular, liquid or gas type fertilizers at 14 cm (5½ in.) depth at 30.5 cm or 22.9 cm (12 or 9 in.) centres and grain seeds at 6.35 cm (2½ in.) depth at 15.24 cm or 11.43 cm (6 or 4½ in.) centres. The bander seeder is cast from a heat-treated steel, which offers hardness, toughness and resistance to abrasion. The Clarke family of systems also includes an adaptor for attaching a regular cultivator sweep, making it possible to till, fertilize, and seed in one operation.



Sutherland Steel's Clarke dual delivery system with the standard paired seeding system simultaneously deep bands granular fertilizer and seeds cereal grain or oil seeds.



The Clarke cast steel banding knife from Sutherland Steel is designed for deep banding granular fertilizer with an air seeder.

Techtrol Ltd.
3870 Côte Vertu
St. Laurent, Quebec
Canada H4R 1V4
Tel: (514) 332-6430
Telex: 05-824652

Contact:

Mr. P. Foody,
President

Techtrol's technological leadership in the field of high throughput elevator design and construction is based on years of experience.

From the unpredictable humidity of the United States' Gulf Coast to the climatic extremes of Canada's northern prairie region, Techtrol has designed and managed the construction of some of the world's most advanced grain elevators.

Techtrol provides a systems approach to grain handling. The structural elements provide the housing for efficient mechanical and electrical components in an overall system.

Elevators such as the one built in Western Canada in 1975, will make dramatic improvements in efficiency over Canada's already efficient country elevators. More recently, a precasting technique was developed and patented by Techtrol. This technique is proving to be the first economical system in North America for the use of precast concrete in silo construction.

Thomas Equipment Ltd.
P.O. Box 130, Hawkins Road
Centreville, New Brunswick
Canada E0J 1H0
Tel: (506) 276-4511
Telex: 014-27530

Contact

Mr. H.W.B. Tiedke
President

Thomas Equipment Ltd. was founded in 1946 as a producer of farm equipment. In 1964, Thomas was acquired by McCain Foods Ltd., a diversified, privately held corporation, the ninth largest privately held company in Canada.

Today, Thomas manufactures nine models of skid steer loaders as well as high capacity potato harvesting and handling equipment. The Thomas skid steer loader is becoming known around the world for its versatility, serviceability, dependability, speed and endurance. The numerous attachments available, such as the backhoe, tree spade, post hole auger, snow blower, grapple bucket, utility grapple and utility fork, as well as a wide selection of standard and special application buckets make the Thomas skid steer loader a natural choice for a wide variety of agricultural applications.

The company's three models of potato harvesting and handling equipment provide high speed, high volume harvesting with minimum crop damage.

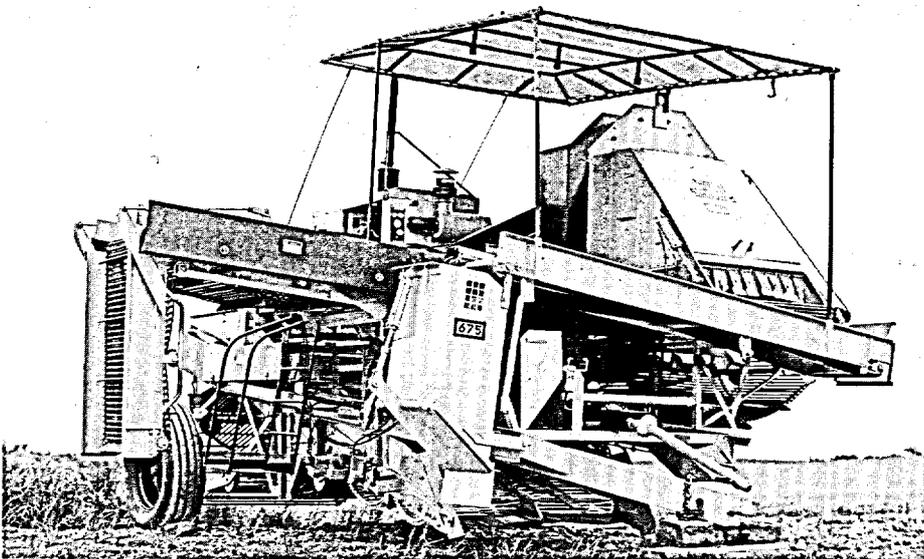
Specifications for one of Thomas' skid steer loaders, Model T-133 are provided below.

Performance:

Rated Lift Capacity, kg (lb.): 590 (1300)
Travel speed km/h (mph): 10 (6.2)
Shipping weight kg (lb.): 1950 (4300)
Operating weight kg (lb.): 2177 (4800)

Engine:

Make/Model: Kubota V1902B
Horse Power, kW (H.P.): 40.5 (30.2)
Torque, kg/M (ft. lb.):
12.93 (89.1) @ 1600
Displacement, c.c. (cu. in.): 1861 (113.5)
No. of Cylinders: 4
Bore, mm (in.): 85 (3.35)
Stroke, mm (in.): 82 (3.23)
Rated Engine Speed, RPM: 2550



1 The T133 Thomas skid steer loader fitted with a BH108 side shift backhoe, one of the many quick-connecting attachments available, can handle a variety of agricultural applications.

2 The Thomas Model 675 diesel-powered air vacuum harvester, designed for high-capacity no-bruise harvesting, is equipped with an on-board computer that provides fingertip control of all harvester functions.

Trail Rite Flatdecks Ltd.
 P.O. Box 1718
 112th & Hwy. #35 N.
 Tisdale, Saskatchewan
 Canada S0E 1T0
 Tel: (306) 873-4531

Contact:

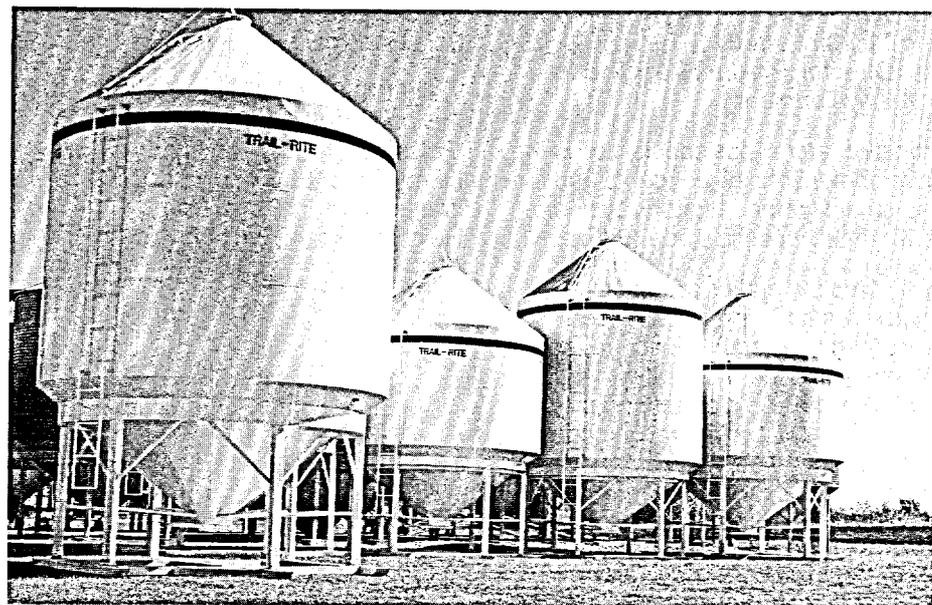
Mr. David Burton
 President

Trail Rite's plant is in Tisdale, Saskatchewan, a prosperous agricultural area. Since 1976, the company has been well known for its hopper bottom farm storage products. Trail Rite is a major supplier to Canadian grain and fertilizer companies, seed growers, and farmers in Western Canada, and in Montana, North and South Dakota, in the United States.

Trail Rite continues to expand and improve to keep pace with modern farm storage demands. Products include hopper bottom bins, conversion cones for regular bins, modular bins, blending towers, liquid storage tanks, super-structure bin stands, bin and oil tank hauling trailers, and hopper aeration units. The company will also design and build to specific customer requirements. The superior quality and engineering of all products are fully guaranteed.

Trail Rite Hopper Bottom Bins

Each bin offers total self-cleaning and easy emptying; chemical and corrosion resistance; superior stability and easy auger access; smooth, safe ground-level operation; and efficient delivery and set-up. Non-standard, custom-built sizes also available.



Trail Rite bins are ideal for storage of fertilizer, seed grain, feed and chemicals.

Models: 8 standard sizes available

Capacity:
 33,980 dm³ (36,369 L) to
 167,070 dm³ (172,389 L)
 (1,200 cu. ft. [1,000 bushels] to
 5900 cu. ft. [4,740 bushels])

Height:
 4.88 m (16 in.) to 11.5 m (37 ft. 8 in.)

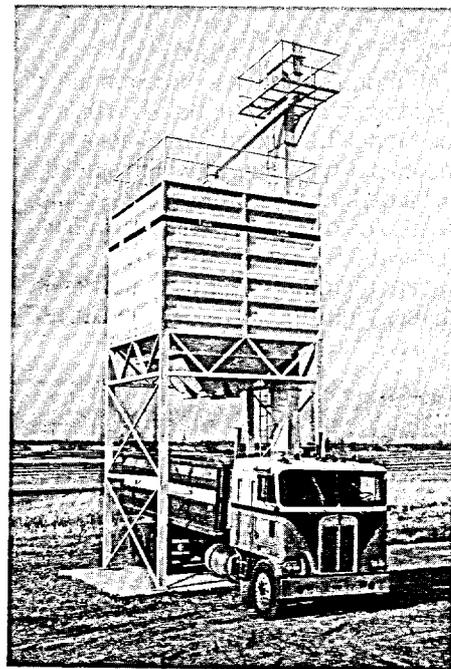
Diameter:
 4.88 m (16 in.) and 4.27 m (14 ft.)

Hopper Slope: 40°

Exterior Finish:
 high resistance, rubber-based

Interior Finish: epoxy paint

Support:
 6 legs, double-band mounted
 and boxed



Trail Rite blending towers combine superior construction with superb efficiency.

Transfeeder Inc.
P.O. Box 2445
Olds, Alberta
Canada T0M 1P0
Tel: (403) 556-6968

Contact:

Mr. Kent Ward
Director, Product Design and
Development

Transfeeder Inc. has specialized in the development of new concepts and equipment for the mechanization of round-bale handling since 1975.

The company makes round bale handlers, stackers, and shredders. Transfeeders products load, transport, retrieve, and feed. They offer in-cab control, width and diameter adjustments, and positive hydraulic controls. They have load capacity of 907 kg (2,000 lbs.) per bale and vary in the number of bales they handle.

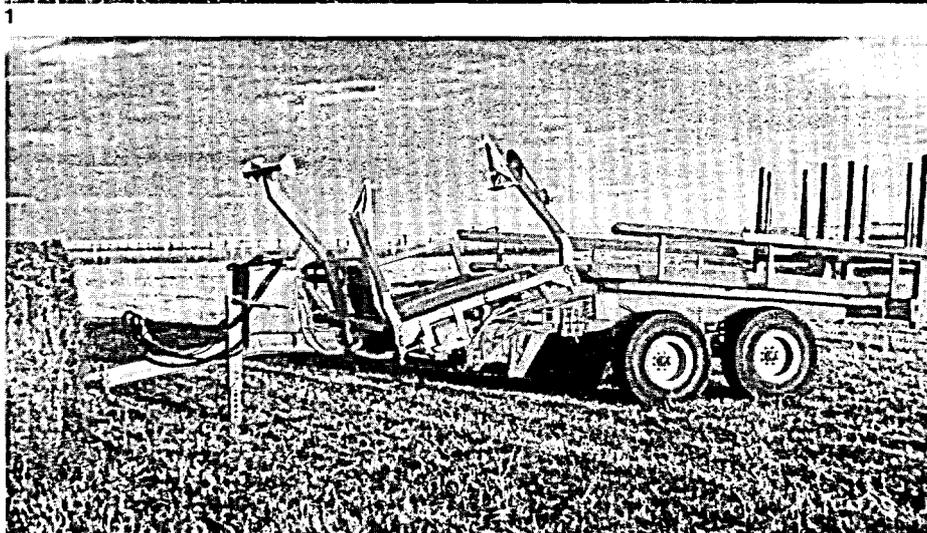
The Model 120 Round Bale Handler is a three-point hitch handler which attaches to all three-point equipped tractors and handles one bale. Models 230 and 230E Round Bale Handlers are truck-mounted which feature manual or electric controls and handle two bales. The Model 812 Round Bale Stacker is a tractor-pull type stacker which stacks six bales, three high, and allows for the bales to be covered with tarpaulin. The Model 480 Round Bale Shredder/Stacker attaches to a tractor, stacks 4 bales, 2 high, and will shred feed for controlled feeding.

Specifications for Model 230 Round Bale Handler

Weight: 436 kg (960 lb.)
Payload: 1818 kg (4000 lb.)
Gross Weight: 2254 kg (4960 lb.)
Length Total: 266.7 cm (8 ft. 6 in.)
Width Total: 182.9 cm (6 ft.)
Height Total: 142 cm (4 ft. 8 in.)

Operations Power:

Hydraulic pump belt-driven
Width adjustment:
threaded 1.2 m - 1.7 m
(4 ft. - 5 ft. 6 in.)
Diameter adjustments:
2 positions — 1.5 m or 1.8 m
(5 ft. or 6 ft.)
Hydraulic pressure:
12420 KPa or (1800 psi)
Enclosed storage stands and
breakaway couplings



1 With its cold weather reliability, fast installation and removal, and its even weight distribution, Transfeeder's Model 230 is a fast, convenient way to move two bales per load.

2 Transfeeder's Model 812, with pushbutton control, is a six-bale stacker that stacks three bales high with production rate of 13.5 to 22.5 tons per hour.

Triple "T" Enterprises (1986) Ltd.
326 Mill Street,
P.O. Box 827
Regina, Saskatchewan
S4P 3V1

Contact:
Mr. Ken Hassman
President

Triple "T" Enterprises (1986) Ltd., formed in 1973, was restructured in 1986. The company is involved in the manufacture of fibreglass reinforced plastics and structural components, as well as producing injection moulded plastics.

The company produces a very successful fibreglass penning and flooring system, Fibreglass Permagrating, for large scale hog production. The product's main selling points are its high strength to weight ratio, non-corrosive nature, ease of cleaning, light weight, ease of installation, and custom-made sizes. Fibreglass Permagrating is a durable, high quality product designed and built for long life and economy.

TY-CROP Welding and Mfg. Ltd.
48945 Yale Road E.
Chilliwack, British Columbia
Canada V2P 6H4
Tel: (604) 794-7078

Contact:

Mr. C.R. Nickless
Sales and Marketing Director

TY-CROP's founder saw a need for stronger, more durable equipment to meet the specialized needs of Western farmers. In 1979 the company was incorporated and began by building a better forage wagon. Soon the company had orders from neighbouring farmers for similar equipment. Sales grew rapidly, necessitating expansion to a 558 m² (6,000 sq. ft.) plant in 1982.

The firm has grown in size and sales to the point where it is now producing a wide range of farm and industrial equipment. Its main products include: truck-mounted forage boxes, patented forage hy-dump wagons, forage and feed wagons, and other pieces of equipment used primarily by dairy and beef farmers. TY-CROP has customers throughout Western Canada, Ontario the northwestern United States and the USSR.

TY-CROP's 12-ft. Model TY-DUMP self-unloading forage wagon offers heavy-duty construction and trouble-free operation and is ideal for all silage crops, as well as the harvesting of vegetable crops.

TY-DUMP Self-Unloading Forage Wagon

The TY-DUMP Forage Wagon offers the unique combination of strong, rigid frame construction, total ease of operation, and a fast unloading cycle. Other features include large flotation tires for all-weather and all-terrain use. The TY-DUMP Wagon is particularly suitable for

wet weather conditions and can be used for a wide variety of crops including grasses, corn, beans, peas, beets, and sorghum. Three models are currently available: Model 1200 TY (hopper length 3.7 m (12 ft.); Model 1400 TY (hopper length 4.9 m (16 ft.); and Model 1600 TY (hopper length 4.9 m (16 ft.) but with a longer length over-all than the 1400 TY.



Univerco Hydraulique (1978) Inc.

246 St-Martin

Napierville, Québec

Canada J0J 1L0

Tel: (514) 245-7152

Contact:

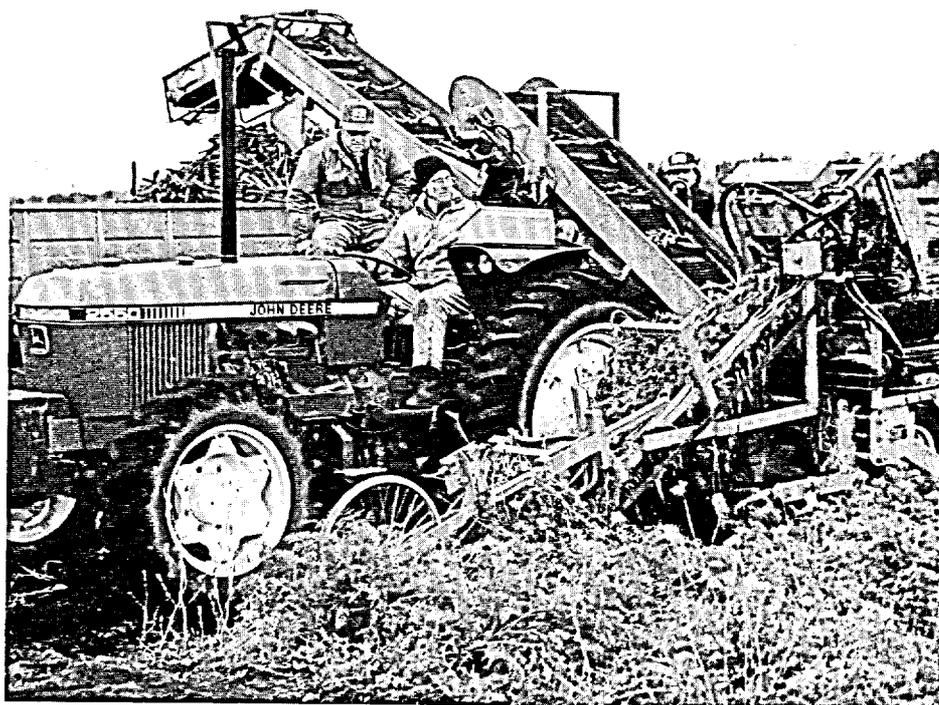
Mr. Paul Bisailon

Since its foundation in the early 1960s, Univerco has offered services and produced diversified machinery for industrial needs. The company specializes in the farming sphere and keeps ahead of competition by offering new technology applications. In 1980, Univerco formed an association with Simon, a company based in France, which specializes in carrot harvesting. Univerco now offers both Simon products as well as its own for a full range of carrot, red beet, and turnip harvesting models.

Economy Model

Lightweight, yet sturdy, this model requires minimal maintenance. The driver can operate all Univerco harvesters without additional help.

Equipped with a hydraulic power unit and pump, driven by the tractor P.T.O. shaft, this machine gives unbeatable output and smoothness of operation. Separate speed adjustments for the picker belts and loading conveyors are located at finger tips. The Economy Model is well known for its high floating capacity through all weather and ground conditions (weight: 1365 kg/ 3,000 lbs.). Other features include: double action hydraulic three-point hitch attachment; choice of regular points at the picker head or hydraulic power points; conveyor belts of much better quality than hook chains, due to PVC covering which eliminates vegetable damage; sealed bearing rotating knives which can be changed for red beet and turnip harvesting; mini-carrot harvesting is also possible with minor modifications.



Automatic Plus

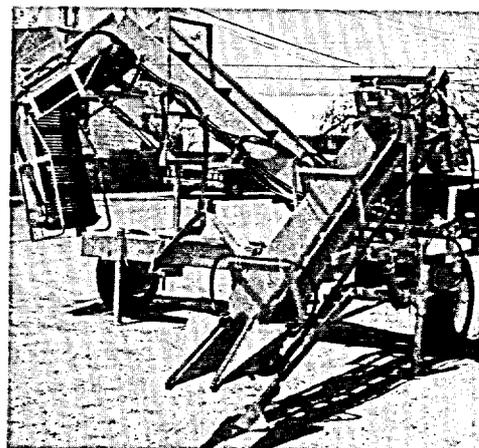
The Automatic Plus Carrot Harvester features:

- row and ground detectors relieving the driver from continuous concentration;
- hydraulic power and solenoid valve electrical system;
- controls at finger tips (automatic model).

After the topping, carrots drop from one conveyor to another, thus allowing a better cleaning process before loading. Loading on trailers or pallets is done by Univerco's double strap hinge conveyor.

The sturdy yet lightweight Economy Model carrot harvester from Univerco Hydraulique operates well even in adverse ground or weather conditions.

Univerco Hydraulique's Automatic-Plus carrot harvester can also be used for red beets, turnips and parsnips.



Vana Industries Ltd.
92 DeBaets Street
Winnipeg, Manitoba
Canada R2J 3S9
Tel: (204) 661-6660
Telex: 07-55278

Contact:

Mr. Bob Lodder
Vice President

Vana Industries was incorporated in 1982 for the purpose of developing, manufacturing and selling pneumatic grain conveyors. Today, the company has on staff a group of highly skilled and dedicated employees which provides it with an excellent base for further expansion.

CONVEYAIR, the company's key product, has been well received in the market place. Its capacity generally exceeds that of comparable products offered by competitors. Initially, only one type of machine was offered, but when market reaction indicated that a range of products was in demand, modifications were made to the original offering. Today seven models are available. Patent applications for the Separator Filter System and for the Boom Positioning System have been granted in the United States.

At the heart of the system is the computer-designed DuroFlow (formerly Schwitzer) P.D. air pump. Extra pump efficiency means smaller, easier to handle hoses and extended intake with no capacity loss. Dual oil level sight glasses ensure easy maintenance and help prevent expensive burn-out.

The large capacity Vana hydraulic airlock is precision engineered to seal air pressure, assuring a powerful intake vacuum and an equally efficient discharge. The CONVEYAIR airlock features adjustable stainless rotor tips for maximum performance and reversible motor for fast clearance of foreign objects.

CONVEYAIR's patented separation easy-clean filtering system protects the pump from dust and stray grains.

Specifications:

3000, 3500, 4000 —
1950, 2450, 2950, 3950

Length:

2.77 m (8 ft. 10 in.) —
2.77 m (8 ft. 10 in.)

Width:

2.41 m (7 ft. 11 in.) —
2.36 m (7 ft. 9 in.)

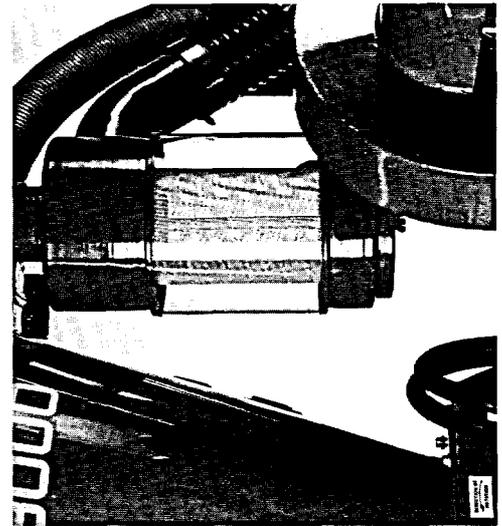
Height (transport):

2.36 m (7 ft. 9 in.) —
2.36 m (7 ft. 9 in.)

Max. clearance:

3.70 m (12 in.) —
3.60 m (11 ft. 10 in.)

Vana Industries' CONVEYAIR has a patented separator filter system.



Whether loading or unloading flat storage, Vana Industries' CONVEYAIR has the powerful intake and discharge to handle the toughest jobs.

Vary Industries (1982) Ltd.
317 South Service Road, W.,
P.O. Box 160
Grimsby, Ontario
Canada L3M 4N6
Tel: (416) 945-9691 Telex: 061-5436

Contact:
Mr. Don Fleischer
President

Vary Industries, established as a regional greenhouse manufacturer in southern Ontario, progressed through the Seventies, gradually expanding its markets and product line in Canada and the northeastern United States. In the Eighties, Vary opened a sales office and warehouse in Langley, British Columbia, to serve the western Canadian market. It also appointed exclusive distributors in the northeastern United States and on the West Coast.

Today, Vary's product offering encompasses a full line of greenhouses which are engineered to withstand heavy snow and wind loads and spans ranging from 5.5 m (18 ft.) to 12.8 m (42 ft.). To complement its greenhouse structures, Vary manufactures and warehouses many types of greenhouse glazing materials including: shade cloth; ventilation, circulation and cooling equipment; heating systems, including its exclusive Root Zone™ Microclimate Heating System; materials handling equipment; and irrigation equipment.

Vary's Rolling Bench system is uniquely designed to incorporate the Root Zone™ system. This bench system is suitable for use in high traffic areas due to its clean line finish.

1 Vary Industries' gutter-connected greenhouses create a controlled environment for growing under a large roof area such as this 3.6-ha (nine-acre) project.

2 The Root Zone™ from Vary Industries is closely spaced to provide even, accurate heat to the plants' roots and foliage.

The Vary "Hilite" H.I.D. system allows the grower to control the number of daylight hours regardless of the season.

Gutter Connect Greenhouses

Sizes: 5.5 — 12.8 m (18 ft. — 42 ft.)

Standard features:

- Pre-fabricated for quick construction
- Flexible gutter height
- Gable arches complete with applicable closures factory installed
- Arches on 1.22 m (4 ft.) centres
- Engineered for effective steel use
- Construction drawings included



1



2

Versatile Farm Equipment Company

P.O. Box 7300

1260 Clarence Avenue

Winnipeg, Manitoba

Canada R3C 4E8

Tel: (204) 284-6100

Contact

Mr. Reg Walsh

Manager, International Sales

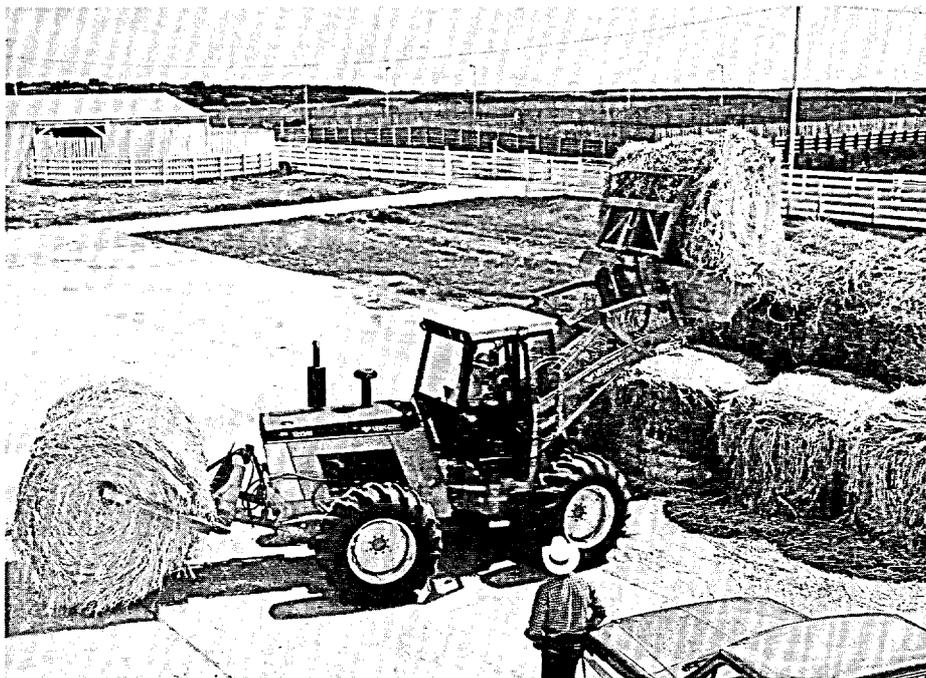
Versatile Farm Equipment Company is a leading manufacturer of specialized agricultural equipment distributed through a dealer network primarily in western Canada and the small grain growing areas of the United States. Other markets include eastern Canada, the US corn belt and delta regions, as well as Australia and other countries.

Versatile was founded in 1945 by a partnership that guided the company through more than 30 years of innovative products and market development which is the envy of the industry today. In 1976, the partnership sold its interests to Cornat Industries Limited, a Canadian-based management and investment company which, through various acquisitions, formed a diversified company, Versatile Corporation, with principal operations in marine and industrial, agricultural, cold storage, oil, gas, and credit ventures.

Today, Versatile Farm Equipment Company facilities include a 85,057 m² (914,600 sq. ft.) manufacturing plant and offices in Winnipeg, Manitoba, where a specialized product line is manufactured that includes ten models of four-wheel drive tractors 74.6 to 350.6 kW (100 H.P. to 470 H.P.), self-propelled and pull-type swathers, and pull-type combines.

1 Versatile Farm Equipment's Series 256 tractor, with front- and rear-mounted implements, matches the strength of heavier tractors while providing the advantages of light weight.

2 Versatile's Series 856 tractor is shown doing ROP (Record of Performance) crop cultivation.



Versatile Noble Cultivators Company

P.O. Box 60

Nobleford, Alberta

Canada T0L 1S0

Tel: (403) 824-3711

Telex: 03-849201

Contact:

Mr. Richard Albutt
General Manager

Versatile Noble Cultivators Company (a division of Versatile Farm Equipment Company — Versatile Corporation) is an 11,000 m² (118,400 sq. ft.) manufacturing facility situated in Nobleford, Alberta, which employs 250 people. The company began in 1936, manufacturing wide sweep blade cultivators under the name of Noble Blade. It was purchased in 1980 by Versatile Corporation and now sells its products overseas through Versatile Corporation's export marketing department. In addition to the original wide sweep blade cultivators, the company manufactures high clearance hoe drills, double disc drills, and field sprayers at its Nobleford facility.

Versatile Noble Blade Plow (Wide Sweep Blade Cultivator)

Size:

1.6 m (5.25 ft.) sweeps in 3, 5, 7, or 9 sections, cutting 4.5 to 15 m (14.8 to 49.2 ft.)

Weight:

Four basic models — 1495, 2800, 4086 or 5610 kg

Transport Height:

2.47 to 3.57 m (8.1 to 11.7 ft.)

Transport Width:

4.0 to 6.3 m (13.1 to 20.7 ft.)

Depth Control: Hydraulic

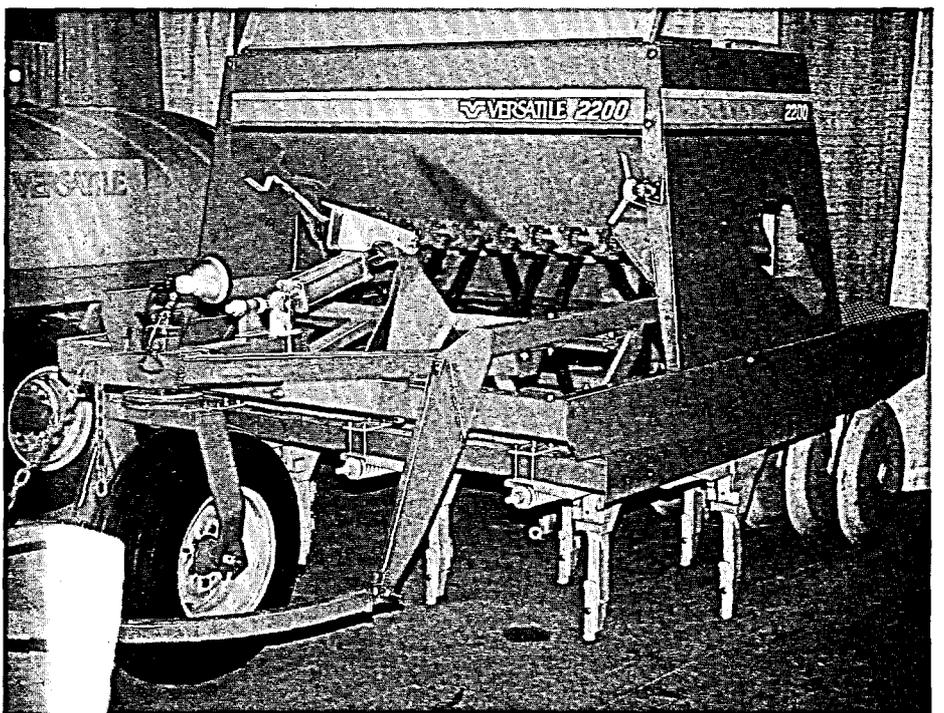
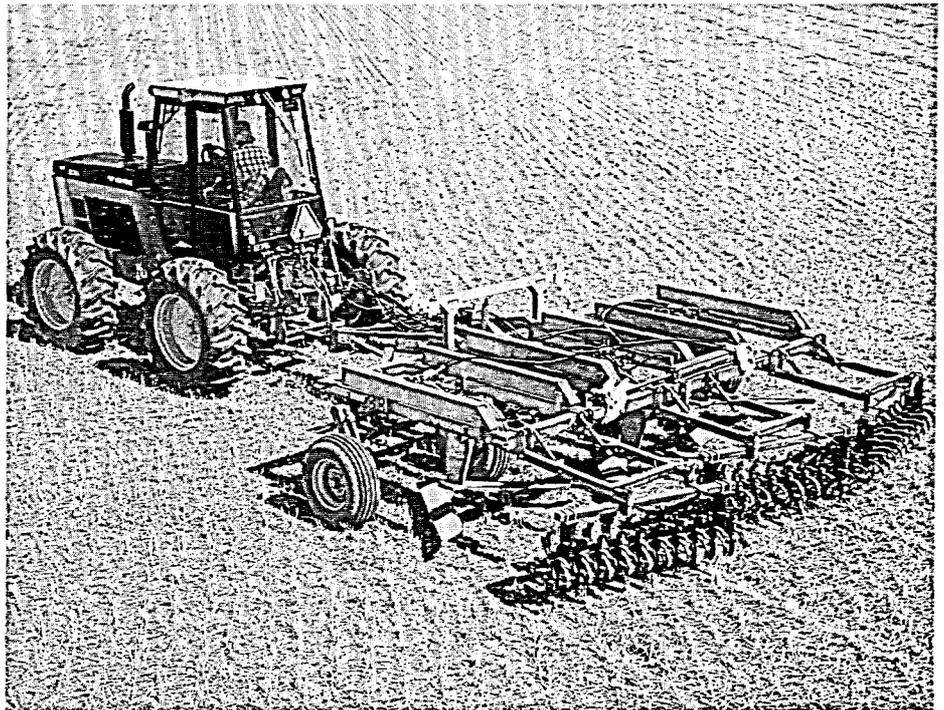
Wing Lift: Hydraulic

Shank Trip:

Straight back shear type or multi-direction hydraulic reset

1 The Versatile 5000 Series blade cultivator, with the Versatile 5055 stubble treader, completes two operations in a single pass.

2 Use of the Versatile 2200 hoe drill can lead to greater moisture retention and improved soil conservation with resultant higher crop yields.



Vicon Inc.
P.O. Box 1240
1225 Franklin Boulevard
Cambridge, Ontario
Canada N1R 6C9
Tel: (519) 622-2800

Contact:

Mr. Tineke Nieuwenhuizen

Vissers Construction Nieuw Venneep, today known as Vicon, is a company which aims to develop original, versatile and high quality machinery for the agricultural world, including remote areas where millions still have sub-standard living conditions.

More than 90 per cent of the total manufacture is exported to more than 70 countries. One third of the Vicon staff of approximately 1,000 people works abroad to advise, train and help local dealers and their staff to make sure that Vicon machinery will satisfy the farmer.

This flexible eastern Canadian plant in Cambridge, Ontario, manufactures round balers, sprayers, and cultivators for the North American market utilizing automated assembly line and painting techniques proven in other Vicon plants. An advanced robotized powder painting system provides paint quality that ranks at the top of the industry.

The Vicon group spans the world with a network of factories, sales and distribution centres and agents. Production facilities include three plants in the Netherlands (agricultural machinery, plastics and castings) as well as plants in Spain, Belgium, Canada, Brazil and India. Subsidiary sales companies are established in the Netherlands, Belgium, France, Spain, West Germany, United Kingdom, Denmark, USA, Canada, Japan and Brazil. Export activities outside the Vicon subsidiary areas are co-ordinated by Vicon International B.V., based at the company headquarters in Nieuw Venneep, in the Netherlands.

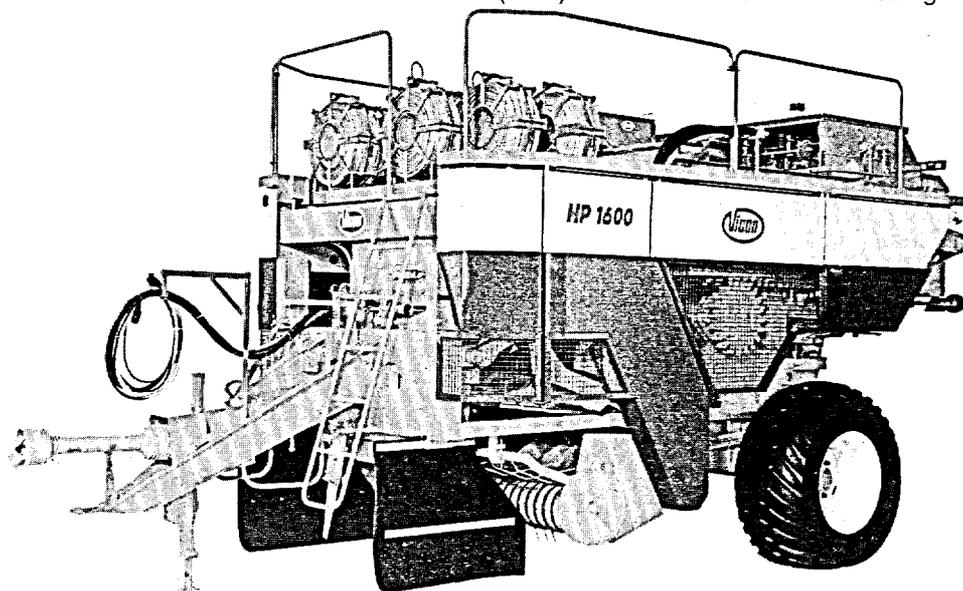
Vicon's product line includes: chisel plows, field cultivators, fertilizer seeder/spreaders, precision field sprayers, disc mowers, rakes and tedders, square and round balers, high density baling systems, and silage cutters. A description of just one of the many fine products Vicon makes is provided below.

Disc Mowers

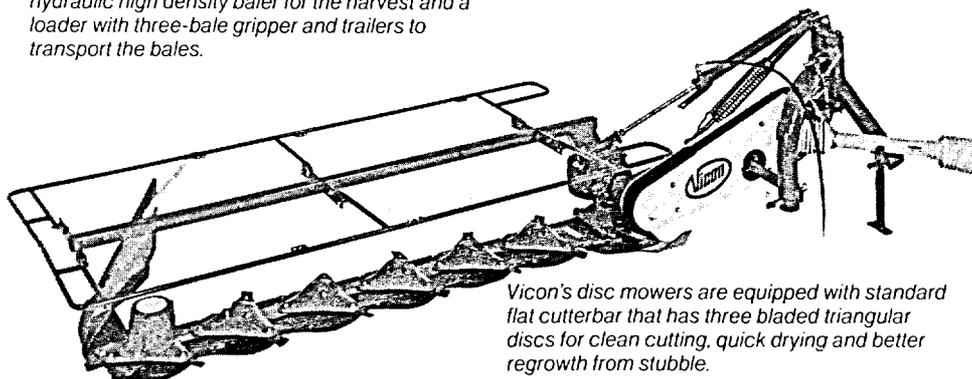
All mowers incorporate the same standardized flat cutterbar equipped with three bladed triangular discs which ensure clean cutting, quick drying, and better regrowth from stubble.

Vicon disc mowers are available in working widths of 1.5 m, 1.65 m, 2.13 m, and 2.4 m (5 ft., 5 ft. 5 in., 6 ft. 12 in., and 7 ft. 10 in.). The flat cutterbar tackles heavy standing grass as well as laid and tangled crops, carrying the grass over the cutterbar in a constant and unrestricted flow.

A disc mower therefore needs considerably less horsepower than a drum type mower and can work at high speed. The three-bladed triangular discs revolve at 3000 rpm. At a forward speed of 8 km/h (5 mph), only 1.27 cm (1/2 in.) of the blade has to do the cutting.



Vicon's high density baling system consists of a hydraulic high density baler for the harvest and a loader with three-bale gripper and trailers to transport the bales.



Vicon's disc mowers are equipped with standard flat cutterbar that has three bladed triangular discs for clean cutting, quick drying and better regrowth from stubble.

Weninger Industries Ltd.
 North Corman Industrial Park
 P.O. Box 7949
 Saskatoon, Saskatchewan
 Canada S7K 4R6
 Tel: (306) 931-2855

Contact:

Mr. Oswald Weninger
 President

Weninger Industries Ltd. was incorporated in 1978. In 1980, the firm expanded by buying 4.08 hectares (10 acres) of industrial land and erecting a 558 m² (6,000 sq. ft.) factory. Since 1980, the company has grown rapidly to 1488 m² (16,000 sq. ft.) and now employs 30 people.

The major products are: hydraulic bin cleaners which drag grain to the farm auger, reducing shovelling labour; a line of hopper bins used for grain and fertilizer storage for farm and industry; and a hydraulic drill fill auger for filling seed drills with grain or fertilizer.

The company also manufactures two pieces of equipment which may be purchased as options. Aeration units can be installed in all bins and are used for aerating, cooling, or drying. Diamond fertilizer tanks are used in truck boxes to separate fertilizer from grain.

Hopper Bins

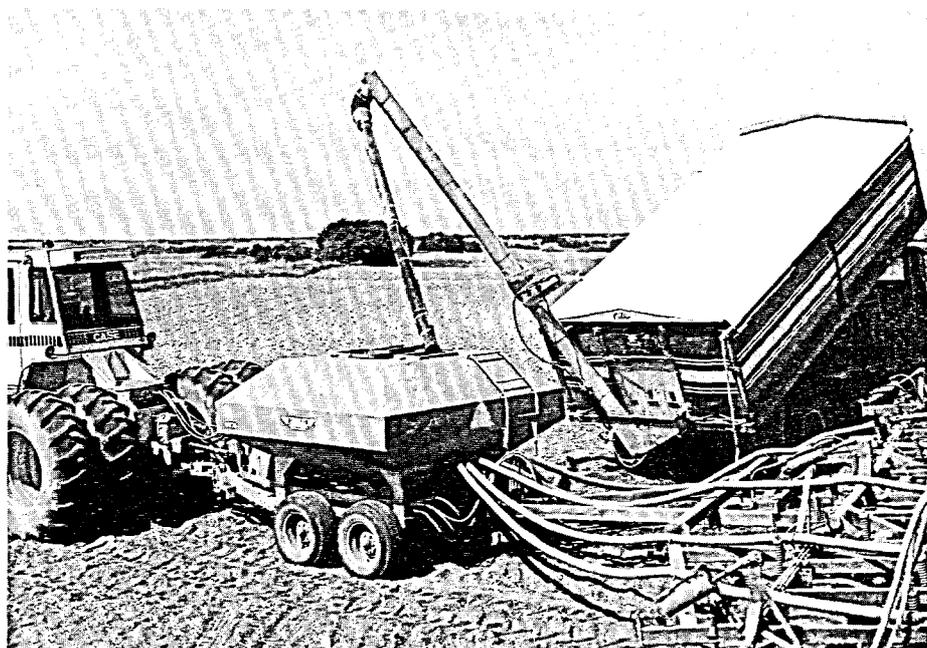
Sizes:

Ranging from 16.57 m³ (585 cu. ft.)
 to 92.20 m³ (3256 cu. ft.)

Heights:

Ranging from 4.88 m (16 ft.) to
 9.14 m (30 ft.)

Diameters: 4.27 m (14 ft.)



Hydraulic tailgate drill fills from Weninger are used for filling seed drills with grain or fertilizer.

Weninger's hopper bins provide grain and fertilizer storage for both farm and industry.

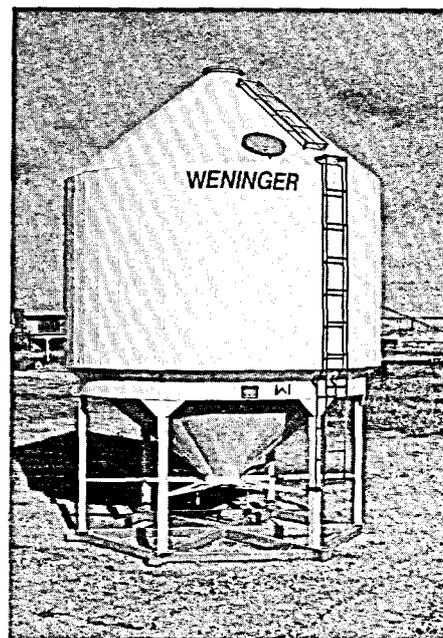
Hydraulic Tailgate Drill Fills

Sizes:

4.42 m × 15.24 cm (14.5 ft. × 6 in.)
 4.88 m × 15.24 cm (16.0 ft. × 6 in.)
 5.49 m × 20.32 cm (18.0 ft. × 8 in.)

Capacities:

In Grain — 15.24 cm (6 in.) —
 1029 L/min (28.3 bu./minute)
 20.32 cm (8 in.) — 1818 L/min.
 (50.0 bu./minute)
 In Fertilizer — 15.24 cm (6 in.) —
 1 tonne (1.1 ton) in 5 minutes
 20.32 cm (8 in.) — 1 tonne (1 ton)
 in 2.5 minutes



Westbrook Greenhouse Systems Ltd.

P.O. Box 99

270 Hunter Road

Grimsby, Ontario

Canada L3M 4G1

Tel: (416) 945-9611 Telex: 061-5291

Contact:

Mr. John Bergshoeff
Manager

Westbrook Greenhouse Systems and their associated companies, operate one million sq. ft. of greenhouses in Ontario and in New York State. The structures and systems they now offer were originally designed for Westbrook's own use. Over the years, the interest expressed by fellow growers in their equipment and facilities encouraged them to expand their capabilities to include manufacturing.

The company specializes in arched, gutter-connected greenhouses covered in either inflated double poly or tempered glass. The coverings are interchangeable. The company also offers a complete line of operating systems such as heating, irrigation, lighting, shading, and monorail systems.

Westbrook Solar — (18 ft.) Gutter-Connected Greenhouses

Anchor Posts:

7.3 cm (2 7/8 in.) OD 71 cm
(28 in.) long 56.7 g (2 oz.)
pregalvanized 12 ga.

Posts:

7.3 cm (2 7/8 in.) OD 27.9 cm
(11 in.) long 56.7 g (2 oz.)
pregalvanized 12 ga.

Gutters:

27.9 cm (11 in.) wide by 13.97 cm (5
1/2 in.) deep by 3.66 m (12 ft.) long.
Male and female connectors
prepunched galvanized 12 ga.

Bows:

2.54 cm × 5.08 cm (1 × 2 in.)
galvanized 14 ga.

Truss:

3.18 cm × 3.18 cm (1 1/4 in. ×
1 1/4 in.) square tubing. Top and
bottom galvanized. 3/8 rod
webbing. 14 ga.

Purlins or Ridge:

4.13 cm × 4.13 cm (1 5/8 in. ×
1 5/8 in.) strut section galvanized.

Gable Ends:

Rectangular tubing 2.54 cm ×
5.08 cm (1 in. × 2 in.) rectangular
tubing, galvanized. 14 ga.

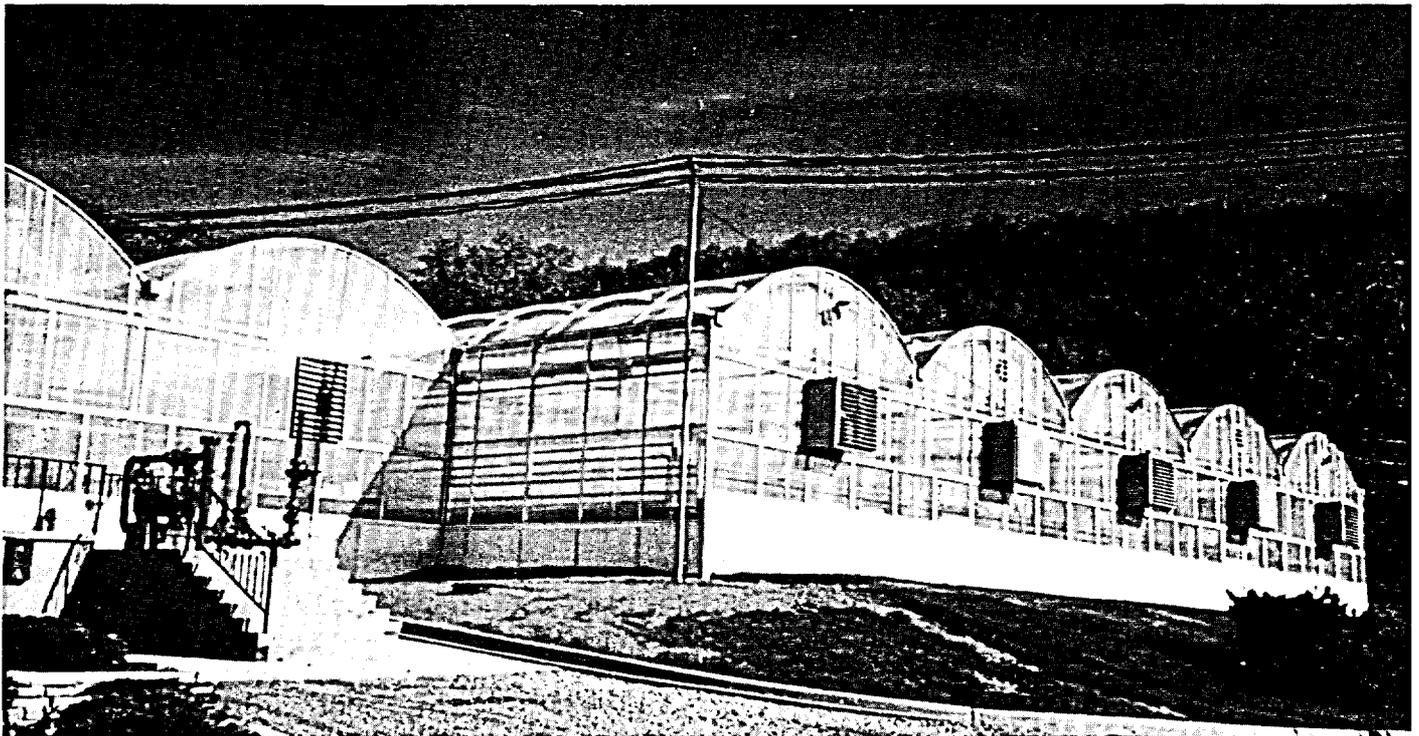
Gable Posts:

2.54 cm × 5.08 cm (1 in. × 2 in.)
rectangular tubing, galvanized.
14 ga.

Gutter Assembly:

Prepunched H.D. galvanized.

The Westbrook greenhouse, designed in accordance with national building codes, combines strength and practicality with flexibility and efficiency.



Westeel Agricultural Products
Division of Jannock Limited
P.O. Box 792
Winnipeg, Manitoba
Canada R3C 2N5
Tel: (204) 233-7133 Telex: 07-57893

Contact:
Mr. Don Taylor,
Vice President

High yields, high quality and modern technology are essential to Canada's success as a leading exporter of grain products. Westeel can be said to have played a key role in the remarkable growth of this industry. The company had its start over 100 years ago supplying the basic protective storage and has expanded its lines to include grain aeration and handling equipment, crop sprayers, fertilizer applicators, steel roofing and siding. As agriculture grew, so did Westeel, leading the way with innovation to meet ever increasing rates of production.

Today Westeel products can be found in many countries. Over 200,000 silos have been produced to meet domestic and export demands. No matter which country or climate condition, Westeel products help crops to a healthy start, provide protection in the field, lower final costs through automatic handling, and provide absolute protection for prolonged periods of storage.

Westeel's specialization in grain handling, conditioning and storage has led to an unexcelled product range. The company can supply silos in sizes from 35 to 10000 t (38.5 to 11,020 tons), from "on farm" storage to rural grain elevators, from flour and feed mills to waterfront grain terminals.

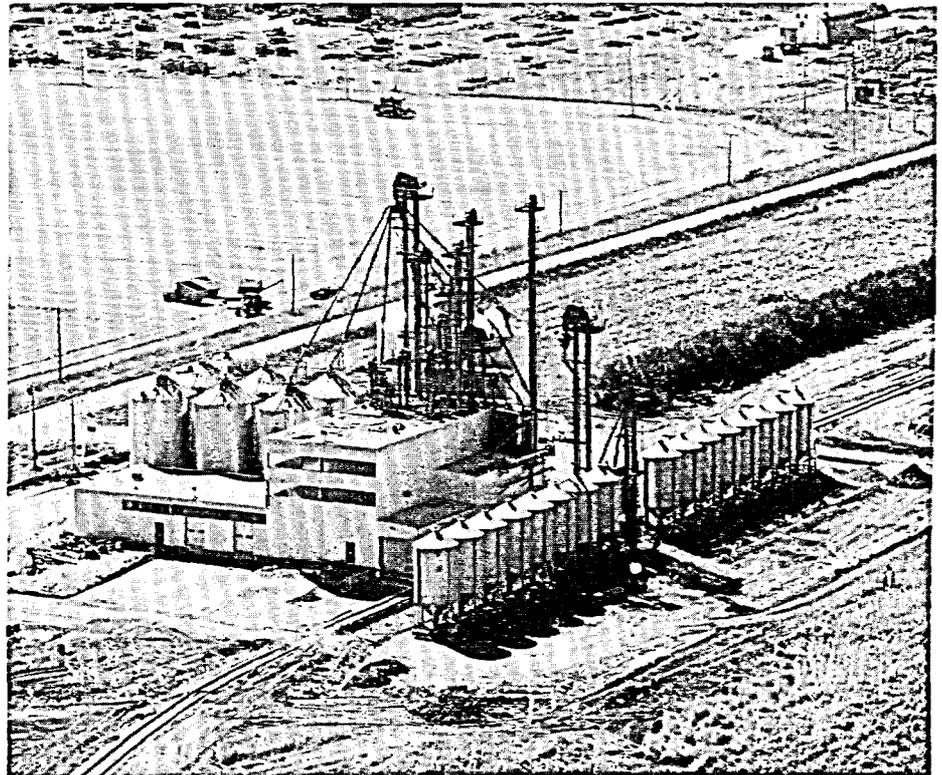
Wide Corr® Super Series Grain Bins

Designed for:

- free flowing material up to 880 kg/m³ (55 lbs./cu. ft.)
- max. wind speed of 151 km/hr (94 mph)
- Canadian or USA Seismic Zone II
- snow load 97.55 kg/m² (20 lb./ft.²)
- peak load series 21.7 — 1360.7 kg (48 - 3,000 lbs.)
- peak load series 27.2 — 2268 kg (60 - 5,000 lbs.)
- peak load series 34.0 — 2268 kg (75 - 5,000 lbs.)
- peak load series 40.8 — 3175 kg (90 - 7,000 lbs.)

Hopper Tanks

Westeel offers a complete line of hopper tanks with all of the features of its commercial bins. In addition, Westeel hopper tanks reduce labour costs and clean out easily. The rugged hopper structure provides the base for these huge bins. Full 15.24 cm (6 in.) structural legs ensure strength and safety in every tank. Cross-bracing, manufactured from steel threaded rods is used between every leg to eliminate twisting and increase the structural rigidity of the base. Westeel's unique compression ring assembly rests on the structural legs. A steel sealing strip is continuously welded to the compression ring assembly to assure a water-tight fit.



Westeel supplied the grain bins and building cladding for the seed cleaning plant of Inter-Continental Grain Co. Ltd., at Carman, Manitoba.

Western Industries (St. Gregor) Ltd.

P.O. Box 104

Highway No. 5 W.

St. Gregor, Saskatchewan

Canada S0K 3X0

Tel: (306) 366-2054

Contact:

Mr. J. Menz
President

Western Industries (St. Gregor) Ltd. began operations in 1973. Since then, the company has grown dramatically by introducing new products and updating others to meet market demands. Western Industries designs and manufactures farm equipment tailored to farming in the 1980s. An original design of the company is Western Industries rear-mount Hydraulic Drill Fill and Fertilizer Box. The box is complete with floor and end gate which permits unloading of grain and fertilizer with one auger. Another original design is the maxi and mini Agra Mixer, manufactured to meet the increasing use of seed treatment. Other product lines include the Western Fold-Away Hitch designed to pull any farm implement and the Western Workbench for any workshop or

garage. The Grain Body, Hydraulic Drill, Fold-Away Hitch and Workbench are all best sellers today. Satisfied customers are found throughout Western Canada and the American Midwest.

The Western Industries Grain Body has a superior design and construction which creates an attractive streamlined look outside and gives plenty of space inside.

- Sizes: 2.74 m (9 ft.) thru 7.31 m (24 ft.)
- 1.53 mm (14 gauge) steel side walls, front and rear
- 3.05 mm (10 gauge) steel floor features heavy duty cross members
- end gate has bolt-free swinging centre and end panels which lift off easily for quick removal

The Western Multi-Purpose Farm Wagon provides nearly double hauling capacity to the elevator. It is equipped

with a Nordic hoist which uses hydraulic power from a truck or tractor. It can be used as a second unit at harvest, by towing it with a tractor, or using a half ton truck to move the empty unit from one location to another. It features a ring ball steering table for the ultimate in trailing with a locking device on the steering for ease in backing up.

- standard Western grain box sizes
- 4536 kg (10,000 lb.) axles and springs
- 8 - 24.13 cm (9.5 in.) — 41.91 cm (16.5 in.) tires
- 18.14 tonnes (20 ton) Nordic hoist
- vacuum or air over hydraulic brakes
- ring ball bearing steering table

The Western Grain Body and Farm Wagon can nearly double the farmer's hauling capacity to the elevator.



Wevea Canada Limited Partnership

P.O. Box 1120

Montague, Prince Edward Island

Canada C0A 1R0

Tel: (902) 838-3535

Telex: 014-44169 Fax: (902) 838-2474

Contact

Mr. Warren Howatt
President

DURABELT is the trade name for high quality belted chain manufactured by Wevea Ltd. in Prince Edward Island (PEI). The DURABELT manufacturing process originated in the Netherlands over 20 years ago. In 1985, Wevea bought out the Dutch company and moved the factory to Canada. Acceptance of the product in the North American market was immediate. In the company's first year, it produced belts that moved everything from PEI potatoes to California cole crops.

DURABELT is the only four-ply belt on the market. It features spring steel bars designed to run quietly and give years of maintenance-free service. But a belt is only as good as its drive and support system, and Wevea recognizes this by designing sprockets and rollers that fit perfectly. The result is the DURABELT system. It might also be called the "downtime eliminator" because it lasts up to four times longer than hook chain. Long life and consistency of operation are a result of Wevea's advanced technology, choice of materials, and care in manufacturing.

The system adapts to the user's operations, instead of the other way around. For example, DURABELTS come in stock sizes, but they can also be made to custom specifications on short notice.

Specifications

Fabric: EP1000/4

Tensile Strength:

1000 kg/cm (5,600 lbs./in.)

Elongation:

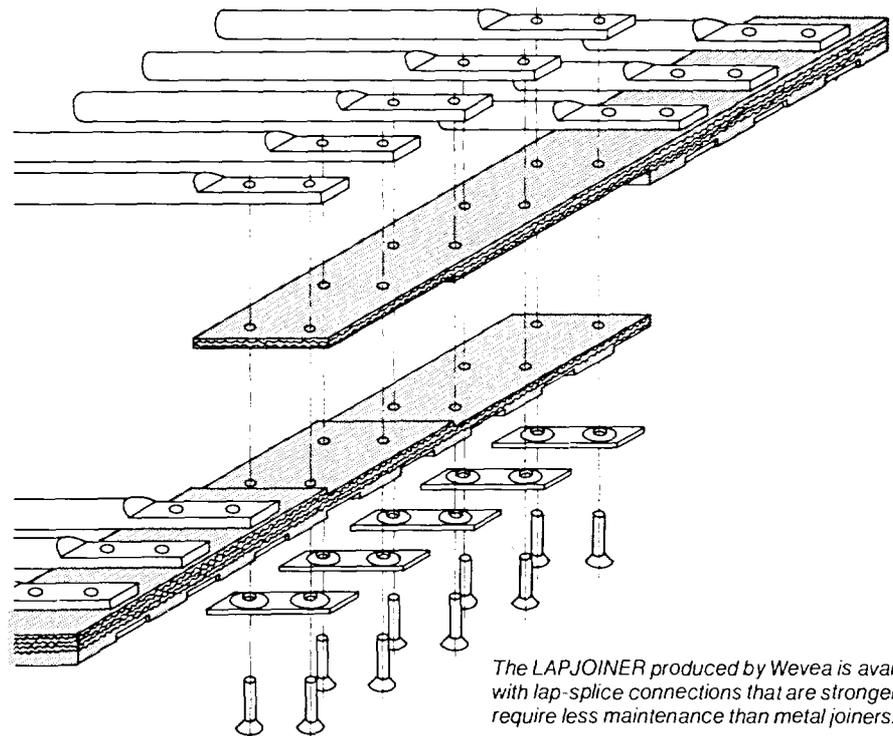
1.5 per cent at 1/10 of
tensile strength

Rubber hardness:

70 Shore/Durometer A



Wevea's DURABELT, the only four-ply belt on the market, is noted for its great strength, its resistance to weathering, and its years of maintenance-free service.



The LAPJOINER produced by Wevea is available with lap-splice connections that are stronger and require less maintenance than metal joiners.

Wheatheart Hydrostatic & Machine Ltd.

855 - 60th Street E.

Saskatoon, Saskatchewan

Canada S7K 5Z7

Tel: (306) 934-0611

Contact:

Mr. D. Quick
Secretary-Director

This five-year-old company has made its mark in grain handling in Western Canada and the northern United States. The principals are all farmers from the heart of wheat growing country and the products are inventions that were designed and first constructed in farm machine shops in Saskatchewan.

The Wheatheart Hydrostatic Binsweep attaches right onto the grain auger and is immediately operational. The Binsweep reduces shovelling to just sweeping up and has a built in Safe T Valve to protect operators from injury while working in the bin. The self-contained hydraulic pump and tank is powered from the gas or electric engine on the grain auger. P.T.O. models are also available.

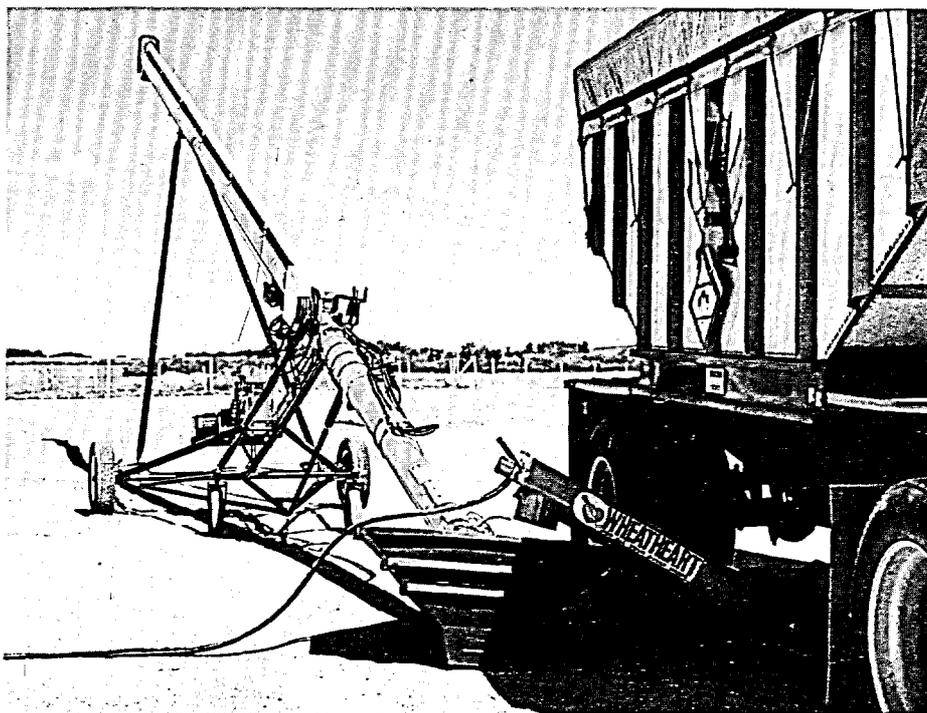
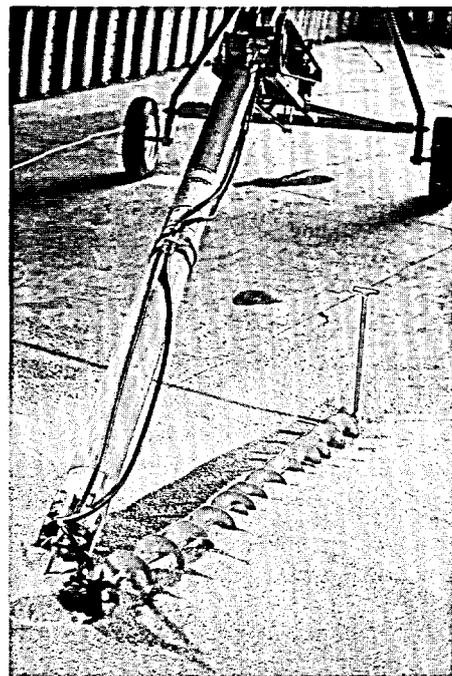
Sweep packages feature proven hydraulic components and come with 3.05 m (10 ft.) of large 17.78 cm (7 in.) flighting. Extensions may be added. Pulleys, belts, hoses, fittings and brackets are included.

The Self-Propelled Auger Transport is as its name suggests, a self-propelled kit to drive grain augers from bin to bin, and put the auger right into place. Its bolt-on design allows simple on-farm installation. Never push, pull, or lift an auger again. Simply use the hydraulic winch to raise the discharge end, lift

ram off dolly wheel frame to adjust the intake end of the auger, and engage gear drives to both main wheels to provide the drive.

The Auger Transport's Positive Lock Winch will not drop even if the hydraulic connection is broken. The centrally located "dead-man" controls give the operator full view while walking beside the auger. The control panel features steering, winch control, forward and reverse drive and ram control on the intake end.

Wheatheart's Hydrostatic Binsweep features variable speed and pressure relief all in one valve for the utmost in operator safety.



The "L'il Auger" under-semi transfer auger from Wheatheart is easily moved into position under bin or truck.

WIC Inc.
784 Route 139
Wickham, Johnson County, Quebec
Canada J0C 1S0
Tel: (819) 398-6822
Telex: 05-838550

Contact:

Mr. Clement R. Lariviere
Sales Director

Established in 1970, WIC Inc. is an entirely Canadian company which manufactures farm equipment. In the beginning, WIC Inc. manufactured a silo unloader (discontinued in 1976), as well as a motorized silage and feed cart. This cart is still a major sales product for the company. Despite the success of these two products, the company owes its world-wide recognition to the invention of a small machine for chopping straw — the Bedding-Chopper.

WIC Inc. has obtained both Canadian and American patents for this machine which is used mainly for chopping straw to provide litter for cattle. Chopped straw is much more absorbent and comfortable, and can also save up to nearly 35 per cent in consumption. As well, chopped straw litter makes cleaning easier.

Since its invention, the Bedding-Chopper has been adapted for additional uses such as strawberry mulching and landscaping. When equipped with a blower, the unit can be used inside chicken coops. The blower uses either a rigid hose, or a flexible hose up to 13 m (42.6 ft.) long, which allows the operator to blow the straw where desired. All models are available with either a gas (petrol) or electric motor, or they may be P.T.O. driven.

Over the years, WIC Inc. has enlarged its plant four times and has added many new pieces of equipment to its product line — roller and hammer mills; fodder and feed-handling equipment such as conveyors and flexible or rigid grain augers; and liquid manure spreaders are just a few of this company's products.

Bedding-Chopper

In only one operation, chops and spreads straw or rotten hay evenly.

The Gas Bedding-Chopper

The most popular model, the Gas Bedding-Chopper features simple operation and great manoeuvrability. Motor 3.7, 5.2, 7.5 kW (5, 7, 10 H.P.) 4 cycles.

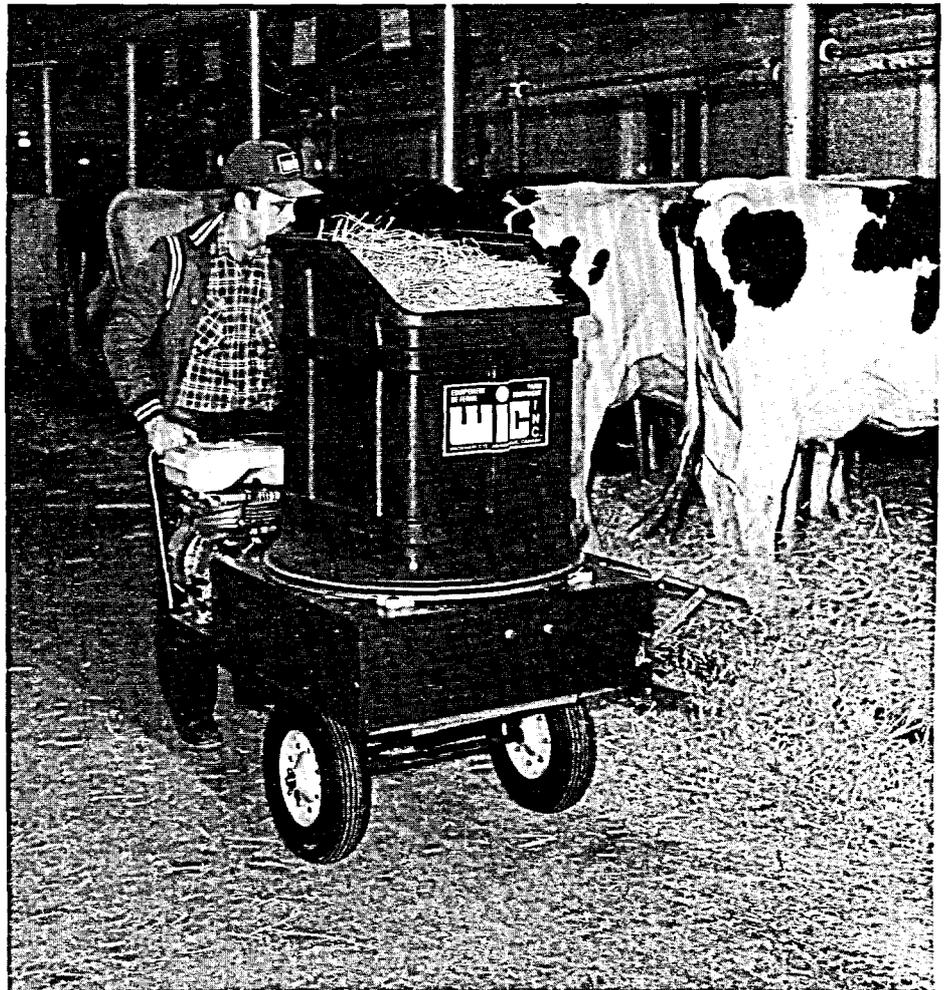
The Bedding-Chopper P.T.O. Driven

With an attachment of three-point hitch, the Bedding-Chopper functions on the P.T.O. of a tractor. Easy to install, it is ideal for free stall barns.

Bedding-Chopper Blower

This Blower has either a rigid or flexible hose and fits on P.T.O. models, either gas or electric.

WIC's bedding chopper chops and spreads straw or rotten hay evenly underneath your herd in one efficient operation.



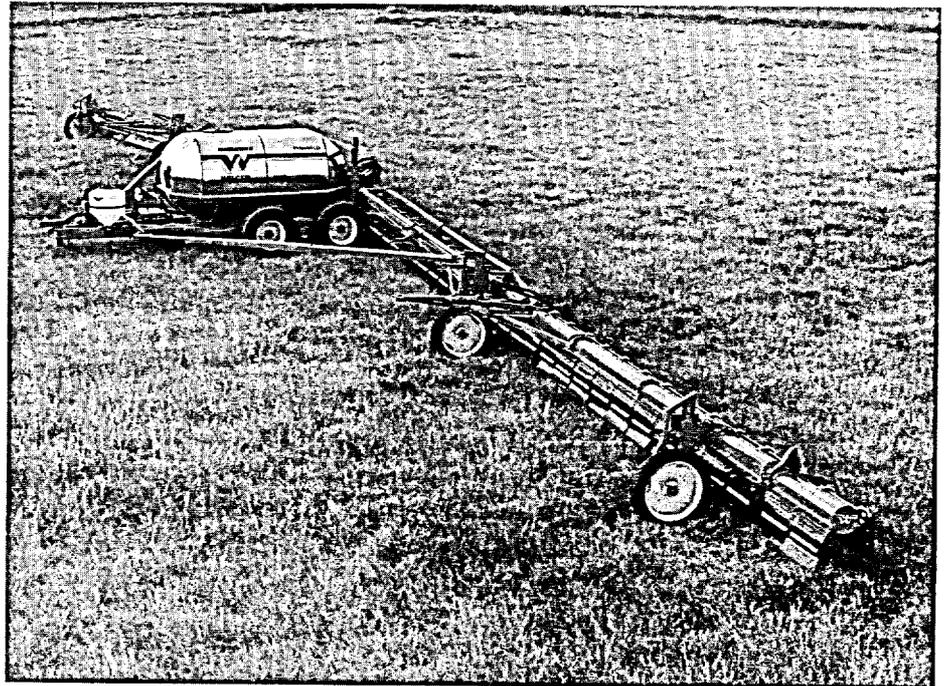
Wilger Industries Ltd.
2409 Thayer Avenue
Saskatoon, Saskatchewan
Canada S7L 5Y1
Tel: (306) 242-4121

Contact:

Mr. Wilf Wilger
President

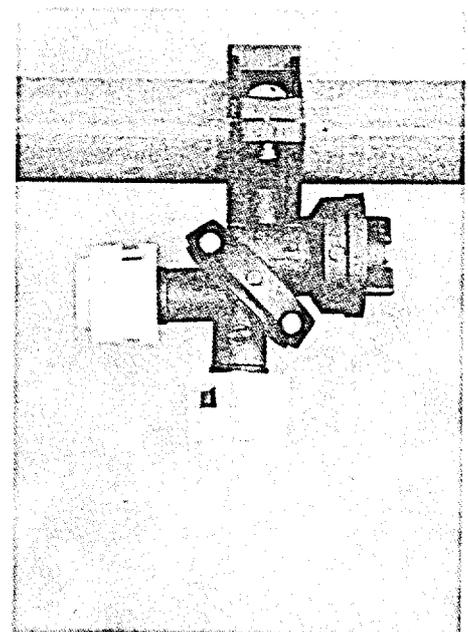
Wilger Industries Ltd., a manufacturer and marketer of tractor-drawn farm field sprayers, was established in 1976. The company's initial models were designed to be more rugged and to have higher spray application than most models offered by competitors. Larger wheels were used to support the spray booms, resulting in a more even application. Later, a spring and shock absorber suspension system design for the boom wheels further enhanced even distribution and speed of application. A generically sound product and the many ensuing innovations made by Wilger Industries have enabled the company to establish a market share throughout Western Canada and in the northern and mid-western United States over the past ten years.

In 1986, Wilger Industries introduced a completely re-designed line of field sprayers. This new line incorporates most of the features of the previous models, such as 1800 and 3600 L (400 and 800 gallon) stainless steel tanks and boom wheel suspension systems. The new line adds many unique features like the modular boom design which allows the width of application to be any size between 15 and 30 m (50 to 100 ft.); a special boom structure allowing spraying down to ground level or up to grown crop height — even with the use of optional wind screens; and an optional hydraulic folding design for fast and easy transfer between field and transport positions.



The modular design of the Wilger Generation II field sprayer allows for interchangeability of components and addition of options to suit many applications.

The company also manufactures Swivel-Jet, a dual-head nozzle body assembly used on the Wilger field sprayers which is also marketed independently. The Swivel-Jet nozzle body provides a quick and convenient way to change from one spray rate to another. Self-aligning snap-on caps are colour coded and accept popular flat spray tips. A diaphragm check valve provides a positive nozzle shut-off. These durable and corrosion resistant nozzle bodies are available for 19 mm (3/4 in.) and 25 mm (1 in.) pipe sizes.



Wilger's Swivel-Jet nozzle body is adaptable to most sprayers and affords a quick change of chemical spray rates in the field.

Wy-Lee Industries Ltd.
P.O. Box 1351
North Battleford, Saskatchewan
Canada S9A 3L8
Tel: (306) 445-4580

Contact:
Mr. R.J. Molle
President

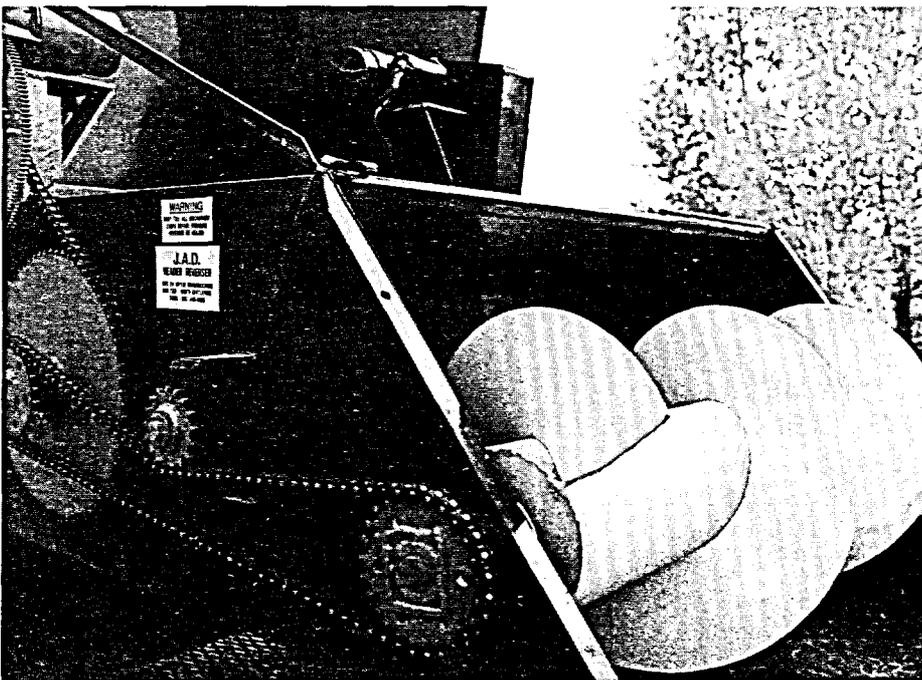
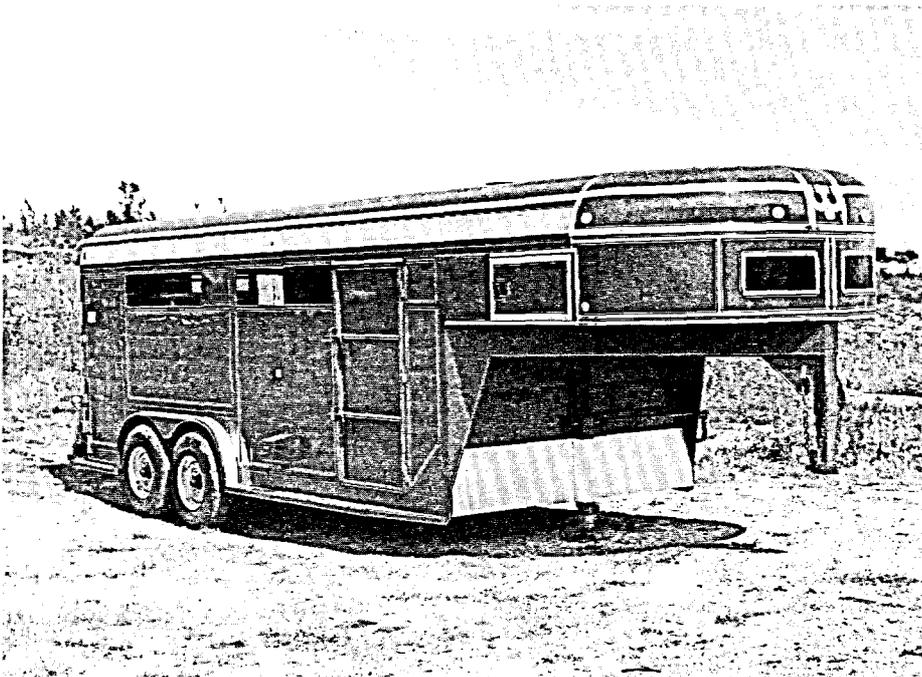
Wy-Lee Industries Ltd. was established in 1972 as a manufacturer of horse and stock trailers and has since expanded into several other lines of agricultural equipment, including its patented revolutionary J.A.D. Combine Header Reverser. All manufacturing is done in North Battleford, Saskatchewan, the heart of a rich mixed farming area. The equipment manufactured by Wy-Lee is totally engineered and tested under all possible field and weather conditions before it is marketed.

Wy-Lee trailers have many innovative features that have made them leaders in the industry. Horsemen, cattlemen, and the industrial user recognize the quality of their engineering.

The J.A.D. Combine Header Reverser is an example of the awareness Wy-Lee has of the farmer's valuable time. The J.A.D. is capable of dislodging field material from a combine header in seconds, whereas this same procedure performed manually could take several hours. The J.A.D. is driven by a specially designed 12 volt motor which is connected to the existing power supply on a combine. Mounting is simple and can be done in a few hours with no welding necessary. Models are available for most combines.

1 The Wy-Lee Gooseneck stock trailer is available in a number of styles and sizes.

2 Made to fit most combines, the J.A.D. Combine Header Reverser from Wy-Lee reduces delays during valuable harvest time by clearing the material lodged in the combine header in moments rather than hours.



2

CROSS REFERENCE INDEX OF COMPANIES BY PRODUCT

AGRICULTURAL TRACTORS, SKID STEER LOADERS AND FORK LIFTS

G & C Béchard Sales and Service Ltd.
Jodale-Perry Corporation
Leon Ram Enterprises Inc.
Sellick Equipment Ltd.
Thomas Equipment Ltd.
Versatile Farm Equipment Company

ANIMAL HUSBANDRY AND DAIRY FARM EQUIPMENT

Agro Plus Ltd.
Arnold Farm-Vet Ltd.
BCB Agricultural Equipment Company
Canada Limited
BRG Intercontinental Limited
Bonar Plastics Western Ltd.
Edwards Rod Weeder Ltd.
Équipement Agricole Côté Inc.
Farmatic Inc.
Faroex Ltd.
Faromor Inc.
Frey Livestock Equipment
Holland Equipment Limited
Husky Farm Equipment Limited
Ketchum Manufacturing Sales Limited
Lewis Cattle Oiler Co. Ltd.
Prairie Pride Enterprises Ltd.
Schouten Feeders Inc.
Sellick Equipment Ltd.
Stirco Inc.
Triple "T" Enterprises (1986) Ltd.
WIC Inc.
Wy-Lee Industries Ltd.

COMPONENTS, SPARES, MONITORING AND MEASURING EQUIPMENT, AND ACCESSORIES

BRG Intercontinental Limited
Baker Electronic Enterprises Inc.
Canadian Tool & Die Ltd.
Edwards Rod Weeder Ltd.
Fair-Grade Scales
Farm King Allied Inc.
Howard Concave Corp.
Kenhar Products Inc.

Labtronics

Leon Ram Enterprises Inc.
M.K. Rittenhouse and Sons Limited
Ralph McKay (Canada) Ltd.
RENN Division of Anthes Industries Inc.
Sullivan Strong Scott Ltd.
Western Industries (St. Gregor) Ltd.
Wy-Lee Industries Ltd.

CROP PROTECTION EQUIPMENT

BRG Intercontinental Ltd.
Beline Manufacturing Co. Ltd.
Ber-Vac Inc.
Bonar Plastics Western Ltd.
Brandt Industries Ltd.
Cereal Implements
Degelman Industries Ltd.
Edwards Rod Weeder Ltd.
Flexi-Coil Ltd.
Hardi Inc.
Holland Equipment Limited
KEHO Alta Products Ltd.
Kello-Bilt Industries Ltd.
Leon Ram Enterprises Inc.
M.K. Rittenhouse and Sons Limited
McCoy Brothers Group
Morris Rod-Weeder Co. Ltd.
Prairie Pride Enterprises Ltd.
Richardson Great Northern
Manufacturing Inc.
Rite Way Mfg. Co. Ltd.
Rogers Engineering Inc.
Schulte Industries Ltd.
Spierco Industries Ltd.
Versatile Farm Equipment Company
Versatile Noble Cultivators Company
Vicon Inc.
Westeel, Division of Jannock Limited
Wilger Industries Ltd.

GRAIN HARVESTING AND HANDLING EQUIPMENT AND ACCESSORIES

Agri-Canvas Inc.
Behlen Industries Limited
Brandt Industries Ltd.
Cereal Implements
Chapman's Grain Equipment Ltd.
Dika Industries Ltd.
Équipement Agricole Côté Inc.
Farm King Allied Inc.
Forever Industries (1971) Ltd.
Honey Bee Manufacturing Ltd.
Howard Concave Corp.
John Deere Welland Works of
John Deere Limited
KSL Industries Ltd.
KEHO Alta Products Ltd.
MacDon Industries Ltd.
Massey Combines Corporation
Omega Machinery Ltd.
Prairie Pride Enterprises Ltd.
RENN Division of Anthes Industries Inc.
Rock-O-Matic Industries
Simon-Day Ltd.
Sullivan Strong Scott Ltd.
Vana Industries Ltd.
Versatile Farm Equipment-Company
Vicon Inc.
Westeel, Division of Jannock Limited
Wheatheart Hydrostatic & Machine Ltd.
Wy-Lee Industries Ltd.

GREENHOUSES, EQUIPMENT AND ACCESSORIES

Vary Industries (1982) Ltd.
Westbrooke Greenhouse Systems Ltd.

HAY AND FORAGE HARVESTING AND HANDLING EQUIPMENT

Agri-Canvas Inc.
B & R Choinière Ltée
Bonar Plastics Western Ltd.
Cereal Implements
Dika Industries Ltd.
Farm King Allied Inc.
John Deere Welland Works of
John Deere Limited
La Compagnie Normand Limitée
(Normand Company Ltd.)
Les Industries Desjardins Limitée
MacDon Industries Ltd.
Massey Combines Corporation
Morris Rod-Weeder Co. Ltd.
RENN Division of Anthes Industries Inc.
Transfeeder Inc.
Univerco Hydraulique (1978) Inc.
Vana Industries Ltd.
Vicon Inc.
Wy-Lee Industries Ltd.

IRRIGATION EQUIPMENT

L.H. Resource Management Inc.
Monarch Industries Limited
Vary Industries (1982) Ltd.

LAND CLEARING EQUIPMENT

Degelman Industries Ltd.
Dika Industries Ltd.
Edwards Rod Weeder Ltd.
Leon Ram Enterprises Inc.
Maritime Farm Implements Ltd.
Rite Way Mfg. Co. Ltd.
Rock-O-Matic Industries
Schulte Industries Ltd.

LOADERS AND ATTACHMENTS

Farm King Allied Inc.
John Deere Welland Works of
John Deere Limited
Kenhar Products Inc.
Leon Ram Enterprises Inc.
Les Équipements Hardy inc.
Rotheisler Equipment Limited
Versatile Farm Equipment Company

MAPLE SYRUP PRODUCTION EQUIPMENT

IPL Inc.

PLANTING, SEEDING AND FERTILIZING EQUIPMENT

Accu Agricultural Implements Ltd.
Agro Plus Ltd.
Beline Manufacturing Co. Ltd.
Ber-Vac Inc.
Bonar Plastics Western Ltd.
Cereal Implements
Degelman Industries Ltd.
Dika Industries Ltd.
Edwards Rod Weeder Ltd.
Équipement Agricole Côté Inc.
Fair-Grade Scales
Farm Land Agro Supply (Red Deer) Ltd.
Flexi-Coil Ltd.
Green Drop Equipment Ltd.
Holland Equipment Limited
Husky Farm Equipment Limited
John Deere Welland Works of
John Deere Limited
Leon Ram Enterprises Inc.
Machinerie Idéale Cie Ltée
Massey Combines Corporation
Morris Rod-Weeder Co. Ltd.
Prairie Pride Enterprises Ltd.
Prairie Systems & Equipment Ltd.
RENN Division of Anthes Industries Inc.
Rite Way Mfg. Co. Ltd.
Rogers Engineering Inc.
Spierco Industries Ltd.
Sutherland Steel Foundry Ltd.
Ty-Crop Welding and
Manufacturing Ltd.
Versatile Noble Cultivators Company
Vicon Inc.
Westeel, Division of Jannock Limited
Western Industries (St. Gregor) Ltd.
WIC Inc.

PROCESSING EQUIPMENT

Adams Grain Dryer Co. Ltd.
Agro Plus Ltd.
Berglund Industrial Supply Co. Ltd.
Farm King Allied Inc.
Farmatic Inc.
Forever Industries (1971) Ltd.
Les Industries Desjardins Limitée
Machinerie Idéale Cie Ltée
Magikist Ltd.
Omega Machinery Ltd.
RENN Division of Anthes Industries Inc.
Simon-Day Ltd.
Stirco Inc.
Sullivan Strong Scott Ltd.
WIC Inc.

SOIL PREPARATION EQUIPMENT

BRG Intercontinental Limited
Ber-Vac Inc.
Cereal Implements
Degelman Industries Ltd.
Dika Industries Ltd.
Farm King Allied Inc.
Flexi-Coil Ltd.
Holland Equipment Limited
John Deere Welland Works of
John Deere Limited
Kello-Bilt Industries Ltd.
Les Industries Desjardins Limitée
Leon Ram Enterprises Inc.
Maritime Farm Implements Ltd.
Morris Rod-Weeder Co. Ltd.
RENN Division of Anthes Industries Inc.
Rite Way Mfg. Co. Ltd.
Versatile Noble Cultivators Company
Vicon Inc.

SPECIALTY CROP EQUIPMENT

Agri-Canvas Inc.
BRG Intercontinental Limited
Bari Crop Dusters
G & C Béchard Sales and Service Ltd.
KSL Industries Ltd.
Les Équipements Tardif inc.
Les Industries Desjardins Limitée
Magikist Ltd.
Rotheisler Equipment Limited
Thomas Equipment Ltd.
Univerco Hydraulique (1978) Inc.
Wevea Canada Limited Partnership

SNOWBLOWERS

Ber-Vac Inc.
Farm King Allied Inc.
John Deere Welland Works of
John Deere Limited
Schulte Industries Ltd.

**STORAGE, PRE-ENGINEERED
BUILDINGS AND ACCESSORIES**

Behlen Industries Limited
Central Canadian Structures Ltd.
Chapman's Grain Equipment Ltd.
Fairford Industries Ltd.
KEHO Alta Products Ltd.
Omega Machinery Ltd.
Sass Manufacturing Limited
Simon-Day Ltd.
Sullivan Strong Scott Ltd.
Techtrol Ltd.
Trail Rite Flatdecks Ltd.
Weninger Industries Ltd.
Westeel, Division of Jannock Limited

**TRANSPORTATION AND CROP
HANDLING EQUIPMENT**

Del Equipment Ltd.
Holland Equipment Limited
Jodale-Perry Corporation
KSL Industries Ltd.
La Compagnie Normand Limitée
(Normand Company Ltd.)
Lanark Equipment Ltd.
Midland Mfg. Limited
Prairie Systems & Equipment Ltd.
Simon-Day Ltd.
Trail Rite Flatdecks Ltd.
Western Industries
Wy-Lee Industries Ltd.

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