

Dec. 27, 1966

A. CHANTLAND

3,294,218

BELT CARRIER

Filed Aug. 19, 1964

Alfred Chantland, Inventor
By *Rudolph A. Rowell*
Attorney



60

YEARS
1943 - 2003

Celebrating our 60th Anniversary as a world leader in the manufacture of material handling equipment.

INVENTOR
ALFRED CHANTLAND
BY *Rudolph A. Rowell*
ATTORNEY



CHANTLAND

MHS

Material Handling Solutions



It is with great pride and satisfaction that we look back over the past sixty years to reflect on our journey and to share with others some of the highlights.

We extend a heartfelt “Thank You” to our customers, past and present, who through their confidence have made it possible to prepare this historical overview.

The employees of Chantland-MHS

January 2003



Material Handling Solutions

BAG FILLERS

CONVEYORS

PALLETIZERS

SYSTEMS

A message from the president ...

Celebrating a milestone

This year the Chantland-MHS Company is proud to be celebrating our 60th year in business. From a modest beginning to a world leader in material handling equipment, we have always maintained a solid commitment to both quality and customer satisfaction.

Throughout our storied history, we've kept our sites on both the present and the future. We have taken lessons that we have learned from the past and have converted them into positive changes to ensure we will be here for another sixty years. We have created an environment where safety is our number one priority and where our people are empowered to exchange ideas for continuous improvement on both our products and procedures.

We presently employ 84 people that average fifteen years experience in the material handling industry, all with one common goal: "To meet or exceed our customer's expectations." We accomplish this by delivering quality crafted equipment in a timely fashion, that performs per specification, and which

has a total price equal to that which was originally quoted, then provide after sales support that is unparalleled in our industry.

It is a tribute to all the people who have worked at the Chantland-MHS Company, both past and present, who have enabled us to reach this impressive milestone. I wish to take this opportunity to thank them all for their valued efforts and contributions. Also, on behalf of these people, I would like to thank you, our customer, which we consider our most valued asset.

I invite you to take a few minutes to read through this brochure to learn more about the history of our company.

James M. Flot
President/COO
The Chantland-MHS Company



The original wooden conveyor constructed by Al Chantland, 1943.



Model 1500A Automatic Bag Palletizer – Monsanto, Grinnell, IA

THE CHANTLAND MFG. CO.

BADGER, IOWA, U.S.A.

Al Chantland, founder of The Chantland Company, grew up on a farm near Badger, Iowa, where he also worked in the family's seed and milling business.

One of the most strenuous tasks in the business involved handling seed and feed sacks that weighed up to 120 pounds. Injuries occurring from this work encouraged Chantland to consider ways in which mechanical conveyors might be utilized. At nights, in their garage at home, he began construction of the first "Chantland" conveyor. It was a chain and wooden slat conveyor that was driven by an electric motor. The conveyor proved successful in its initial trials at the seed cleaning plant and an idea was about to become a company.



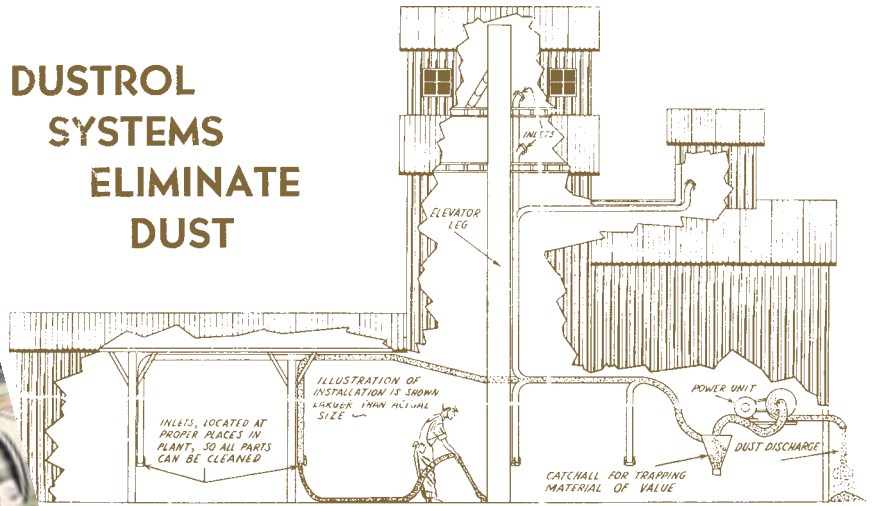
Al next to BA-Series "King Size" Conveyor.

OUR BEST SALESMEN ARE THE 2500

1943 ~ 1957



DUSTROL SYSTEMS ELIMINATE DUST



SKETCH SHOWING HOW AN ELTON DUSTROL IS INSTALLED
Dust is a major problem in any plant. An Elton Dustrol System is the answer to it.

With the help of his fiancé, Oline, Al mailed circulars to other seed businesses throughout Iowa and received many serious replies. He decided to build six more conveyors, which were sold before completion. It was 1943 when Al, at 28 years of age, launched The Chantland Manufacturing Company.

The company rapidly outgrew the capacity of the garage, and in 1945 Chantland purchased a building in Badger, Iowa, and the business was moved from the farm. Ideas continued to be developed into new product designs encompassing stationary and portable conveyors for bags, boxes and bulk materials. In addition to conveyors, Chantland also designed and marketed the Elton Dustrol Vacuum System, a dust control system for use in mills and plants, and later, he developed cast alloy buckets for elevator legs.

By utilizing manufacturer's representatives, over 1,700 conveyors had been shipped throughout the United States, Canada, Mexico, Central and South America, the Caribbean Islands, and several European countries during the first ten years of business. Al manufactured small conveyors which could be moved manually, telescoping conveyors for loading box cars and conveyors larger than the plant, which required final fitting to be performed outside, sometimes working from the roof of the building. Obviously the company needed more room.



Boone Valley Co-op Processing Association,
Eagle Grove, Iowa.

CONVEYORS WE HAVE IN OPERATION

THE CHANTLAND COMPANY, INC.



MANUFACTURERS OF MATERIALS HANDLING EQUIPMENT FOR MODERN INDUSTRY — HUMBOLDT, IOWA, U. S. A.
Representatives in all major cities PHONE 328

In 1956, in order to focus solely on his conveyor company, Al sold the Elton Seed & Milling Company to Maurice Johanson of Badger and began looking for places to expand his manufacturing business. There were offers from several groups who wanted the growing company to relocate to their communities. Chantland, not wanting to be obligated to outside interests, decided to purchase land south of Humboldt, Iowa, where he began construction of a new manufacturing facility with offices, completing the project in late 1957. In 1958, the company was incorporated as Elton Corporation, with Al and Oline as sole stockholders.



Merle Larson, Engineering. Retired as Conveyor Department Manager after 42 years of service.



DEKALB, Humboldt, Iowa

Chantland introduced the 'Hydro-Crown' line of conveyor pulleys in 1959, which utilized a proprietary method of hydraulically crowning the pulleys providing excellent concentricity and tracking characteristics. These pulleys had been developed for use in our own



equipment, but Al soon realized that a market existed with other conveyor and machine manufacturers. The only catch was that many of those other companies

were our competitors! By 1962 the growing business needed more room. An addition was constructed that more than doubled the size of our plant space. Al's inventiveness continued to show when, in 1966, he received his first patent for an adjustable belt carrier. That same year he purchased a plant and its manufacturing equipment in Eagle Grove, Iowa, selling the building in 1967.



1957 ~ 1968



Original Humboldt plant



Early car unloader and booster conveyor.



Midwest Limestone, Gilmore City, Iowa



THE CHANTLAND COMPANY, INC.

MANUFACTURERS OF MATERIALS HANDLING EQUIPMENT FOR MODERN INDUSTRY
Representatives in all major cities



HUMBOLDT, IOWA, U. S. A.
Phone: Area Code 515 332-1291

To our customers:

Here is our completely revised catalog covering Elton material handling equipment. In planning this catalog we wanted to present our products as completely as possible, so that selecting the right unit for the job would be easy. This we believe has been accomplished. Also the pricing system has been simplified. A lot of work has gone into this catalog, but it is worth it.

The equipment shown represents many years experience in the material handling field. The guide lines this company has always followed has been: **BUILD QUALITY EQUIPMENT. THEN BACK IT UP.** How this is done is listed below:

1. Only the best materials are used.
2. Engineering is the result of information gathered from businesses in which this equipment will be used.
3. Replacements and service can still be obtained for conveyors built at the time this company was started in 1943.

We hope when material handling requirements come up in your plant, you will contact us. If you wish, a representative will call. This puts you under no obligation. If you do not wish this, please advise. We are as near as your phone.

When you install our conveyors or allied products, we know you will feel positive that the right choice has been made. It is equipment which will give many years of trouble free service, and will repay its cost many times over.

THE CHANTLAND CO., INC.

Al Chantland, Pres.





Bulk sugar from ship to bag with Vol-Pac Fillers.

HANDLING MATERIALS IS ONE OF THE MOST COSTLY OPERATIONS IN ANY PLANT. ELTON PRODUCTS ARE DESIGNED TO SAVE TIME, LABOR AND SPACE.



Al, 1958

ELTON PRODUCTS ARE PRODUCED IN A MODERN PLANT PROVIDED WITH THE BEST IN EQUIPMENT. ABOVE ALL, IT IS STAFFED BY PEOPLE WHO ARE INTERESTED IN THEIR WORK AND AS A RESULT, BUILD QUALITY PRODUCTS.





THE CHANTLAND COMPANY

DIVISION OF DOUGLAS & LOMASON COMPANY

P.O. Drawer A, Humboldt, Iowa 50548-0755 Tel: 515-332-4040 TWX: 910-523-6942

The daily responsibilities of owning and managing a large company required constant attention and, after more than twenty years of continual growth and expansion, Al decided to offer the company for sale. Originally intending to sell only the larger conveyor segment of the business, the company was sold in whole during 1968 to Douglas & Lomason Corporation (D&L) of Detroit, Michigan.

Douglas & Lomason, an automotive trim and seating manufacturer, had decided to expand through geographic and product diversification. In 1967 they established a plant in Red Oak, Iowa, for the manufacture of packaging equipment, specifically bag, box and drum filling machines for dry bulk materials and powders. After purchasing Chantland Manufacturing, D&L expanded its market presence and product lines by purchasing The Travis M. Tinsley Company, a California based packaging equipment manufacturer, moving it to the Red Oak plant in 1969.

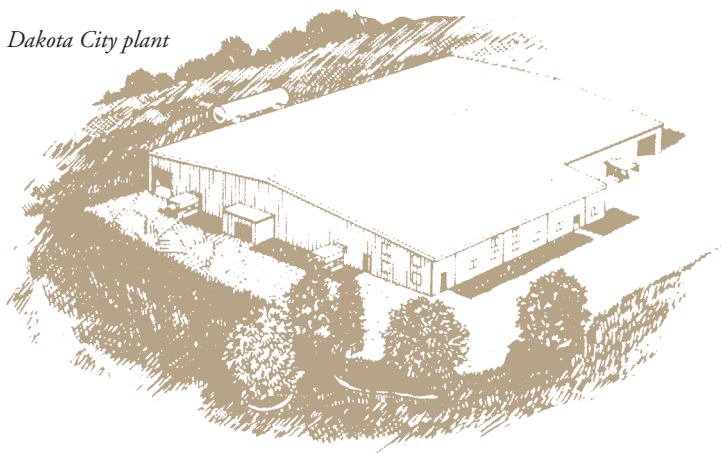
In 1971, Al Chantland retired and Kermit Chantland was named Division Manager. Kermit, who was Al's cousin, had worked for the company most of his life and had a solid knowledge of all facets of the business, ensuring

its continued success. Innovation and growth continued throughout the 1970's, with Kermit and Al being jointly awarded a patent for their portable conveyor design in 1972. In 1974, Red Oak Packaging was moved to Humboldt in order to centralize the manufacture of the complimentary products. A sixth expansion added 30,000 square feet to the plant to accommodate this move. By 1977 we had again outgrown our plant capacity. Rather than add on this time, we purchased a newer vacant manufacturing facility in Dakota City, Iowa, only three miles north of the Humboldt plant. The offices, conveyor and packaging manufacturing were moved into this new facility in the spring of 1978, allowing the pulley production to expand into the vacated space of the original Humboldt plant. The spring of 1978 also marked the passing of Al Chantland.



Humboldt plant

Dakota City plant



The 1980's started off with a patent awarded to one of our veteran electrical engineers, Marshall Nemechek. Patent #4,401,174 protected the design of a "weigh scale machine with solid state controller." Marshall perfected the design, applied for the patent and installed many of the new controllers, only to turn to new technology in the form of programmable controllers before he formally received his patent. In 1986, a patent was awarded jointly to Paul Wright, packaging production foreman, and Dale Hill,

1968 ~ 1996

packaging department manager, for their “valve bag placing machine and method design.” By 1987 the growth of our pulley group resulted in our eighth expansion adding 13,200 square feet to the production area and the installation of equipment for vulcanizing various rubber compounds to pulleys and shafts. In 1989 Jamie Flot, then a partner of MHE Company of Santa Ana, California, and designer of the automatic bag palletizer, was awarded patent #4,883,162 for a “bag turning apparatus,” one of the key features making our palletizer unique in the industry. In all, six patents have been awarded to employees of Chantland throughout the years, but this is only a sampling of original and innovative designs which have helped us and our customers prosper over the last six decades.

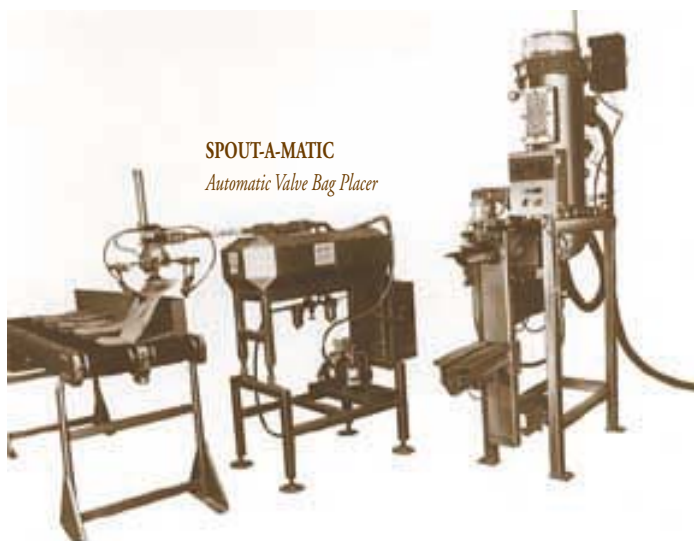
After twenty years leading the company, Kermit Chantland retired and George Flurey was named his successor in 1992. George emigrated from Scotland to the United States in 1967 and accepted a part-time job with Chantland in 1969. Later that year, he became a full-time employee as the pulley production foreman. The company continued to grow under George’s leadership, acquiring the MHE Company in 1993 and moving it from California to the Dakota City plant. The acquisition of this company provided Chantland with fully automatic bag palletizers and impeller valve bag packers, which rounded out our product lines. To make room, we added 40,000 square feet of production space, along with 4,000 square feet additional to the offices at the Dakota City plant in 1994.



FEED-O-MATIC
Automatic Open Mouth Bag Placer



PALLETIZER
Fully automated bag palletizer



SPOUT-A-MATIC
Automatic Valve Bag Placer

CHANTLAND PVS Material Handling Solutions

During 1996 our parent company, Douglas & Lomason, was purchased by a Canadian automotive accessory manufacturer, Magna International. As Chantland did not fit with Magna's core business, we were split off, and in 1998 were purchased by PVS Holdings of Detroit, Michigan, being renamed Chantland-PVS Company. George Flurey was retained as President and CEO; a position he held until retirement at the end of 1999. This same year 44,000 square feet of production was added to the pulley plant, training rooms were added and several million dollars of new machinery were installed at both facilities. Total combined production space neared 250,000 square feet and we reached an all time high of 455 employees.

Vice President Larry Askelson acted as interim President after George's retirement, while a search was underway for an outside candidate to oversee the two operating groups. Robert Nagy was named President and CEO, serving throughout 2001 until early 2002, at which time PVS Holdings decided to split the manufacturing groups into two distinct and independent companies. In order to maintain recognition, each group was able to retain the Chantland name. The pulley group as The Chantland Company Pulleys and Rollers and the material handling group as Chantland-MHS (Material Handling Solutions). Jamie Flot was named President and COO, bringing with him 27 years of knowledge and experience in the industries we serve. His appointment reinforced the entrepreneurial spirit on which this company was founded.

In 2003 we celebrate our 60th Anniversary. Our people have had vision to seize opportunities and courage to face difficulties in order to bring us to this milestone and behind all of that is you, our customer, who appreciates the value of quality.

Al's founding principle, "Build Quality Equipment – Then Back It Up," has worked for sixty years!

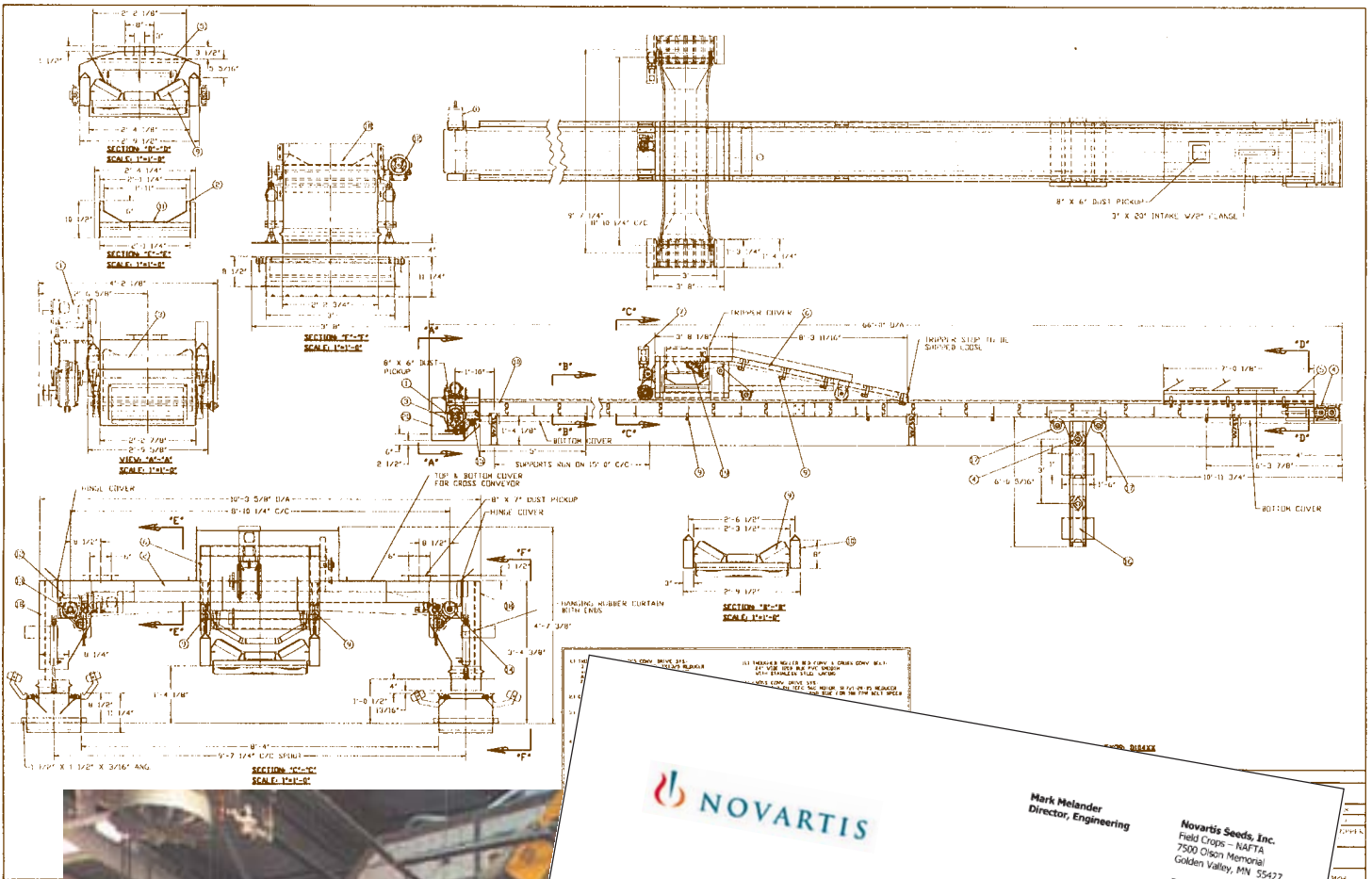


Automatic Bulk Bag Filler



CNC Laser

1996 - 2003



Vertical Sidewall Belt Conveyor –
Kemin Industries, Des Moines, IA



Mark Melander
Director, Engineering

Novartis Seeds, Inc.
Field Crops - NAFTA
7500 Olson Memorial
Golden Valley, MN 55427
P.O. Box 929
Minneapolis, MN 55440
Tel (612) 593-7198
Fax (612) 593-7238
Web site: www.nk.com
e-mail: mark.melander@seeds.
novartis.com

September 15, 1998

Mr. Steve Hartmann - Project Manager
The Chantland Company
Hwy. 3 East
Humboldt, IA 50548

Re: Chantland Conveyors
Horizon Project - Longmont, Colorado

Dear Steve,

We wanted to thank you and the rest of the employees at Chantland Company for the excellent design and workmanship on all of the conveyors which you supplied to the Horizon Project in Longmont, Colorado.

All the conveyors work very well including the slave driven cleaning brushes. But, without question, the entire tripper conveying system with its retractable transitions are fantastic! As you may remember from one of our design meetings, sugarbeet seed dust is a major concern in terms of fire and plant cleanliness in general. With your innovative design, we completely contain the dust and seed spillage.

Your thoroughness in designing and supplying details such as conveyor covers, starter boxes and transitions also made the material handling aspects of the project a complete success! Please accept the enclosed token of our appreciation for a job very well done.

If you are ever in the "neighborhood" please feel free to stop at the plant in Longmont, Colorado for a tour. Again, many thanks for a great job.

Best Regards,

Mark D. Melander
Director, Engineering

cc: Mr. Jon Popp - Popp Engineering



M • I • L • E • S •

U.S. Patent Nov. 28, 1989

1943 – Alfred Chantland establishes Chantland Manufacturing.

1945 – Chantland moves from the original location on the farm to a building in Badger, Iowa.

1957 – Al buys land south of Humboldt, Iowa, and constructs a new manufacturing plant, moving the company from Badger.

1959 – Chantland begins marketing the recently developed 'Hydro-Crown' conveyor pulleys to other manufacturers.

1962 – Third expansion of the company more than doubles the original space.

1966 – Chantland purchases a plant and equipment in Eagle Grove, Iowa, selling the building in 1967.

1966 – Al is awarded patent #3,294,218 for his Belt Carrier design, applied for in 1964.

1967 – The future owner, Douglas and Lomason Corporation (D&L), establishes a packaging machinery plant in Red Oak, Iowa.

1968 – Douglas and Lomason purchases The Chantland Company.

1969 – D&L acquires The Travis M. Tinsley Company and moves it from California to Red Oak, Iowa.

1971 – Kermit Chantland is named General Manager.

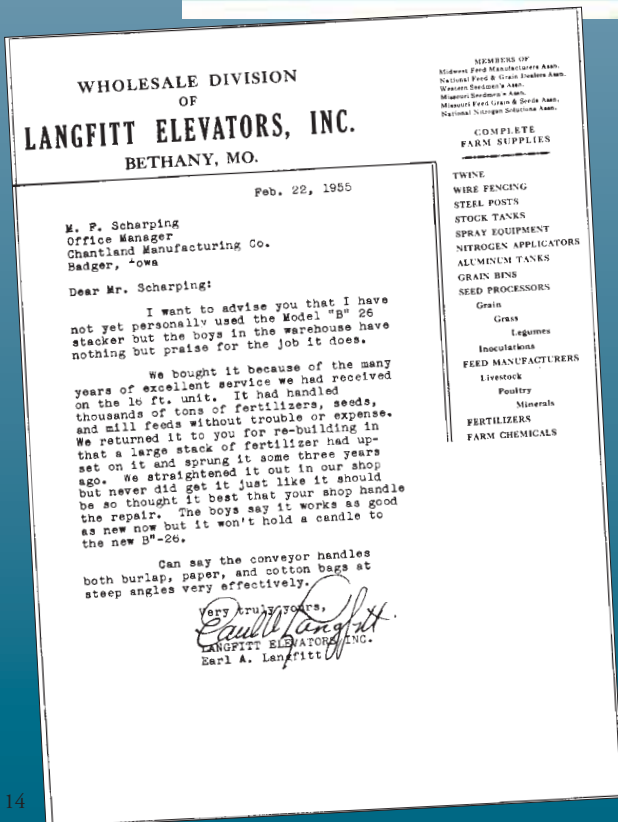
1971 – Al is awarded patent #3,618,671 for his grader blade design.

1972 – Al and Kermit are awarded patent #3,689,109 for their portable conveyor design.

1974 – Red Oak Packaging is moved to Humboldt. The sixth expansion adds 30,000 square feet to accommodate the product group.

1977 – Chantland purchases an existing plant in Dakota City, Iowa, and moves packaging and conveyor production, as well as offices to this new location. Pulley production expands in original plant.

1981 – Marshall Nemechek, an electrical engineer at Chantland, is awarded patent #4,401,174 for a weigh scale



T • O • N • E • S

Sheet 1 of 5

4,883,162

machine with solid state controller.

1986 – Paul Wright and Dale Hill, design supervisors, are awarded patent #4,577,454 for their valve bag placing machine and method design.

1987 – Growth of pulley group results in eighth expansion adding 13,200 square feet. Equipment is purchased to begin vulcanizing rubber to the pulleys.

1989 – Jamie Flot, partner of MHE company and designer of the automatic palletizer, is awarded patent #4,883,162 for his bag turning apparatus design.

1991 – Kermit Chantland retires and George Flurey is named General Manager. Ninth expansions adds 17,000 square feet to pulley plant.

1993 – Chantland acquires MHE Palletizer company and moves it from Santa Ana, California, to the Dakota City plant.

1994 – 40,000 square foot expansion, the eleventh, is added in Dakota City to provide room for the new acquisition. 4,000 square feet is also added to offices.

1996 – Parent company, Douglas and Lomason, is purchased by Magna International, a Canadian based automotive accessory manufacturer. Chantland is placed for sale due to our non automotive focus.

1998 – PVS Holdings of Detroit, Michigan, acquires The Chantland Company. George Flurey is retained as President and CEO. 44,000 square feet are added to the pulley plant and training rooms constructed at both facilities. Combined manufacturing approaches 250,000 square feet.

2002 – PVS Holdings splits the two manufacturing groups into separate companies. The material handling group, consisting of conveyors, packaging machines and palletizers, is named Chantland-MHS (Material Handling Solutions).

2002 – Jamie Flot is named President and COO of Chantland-MHS.

2003 – We celebrate our 60th Anniversary as a world leader in the manufacture of material handling machinery. We have produced more than 33,000 machines and shipped throughout North America, South America, Europe, Africa, Asia and Australia.





Material Handling Plant – Dakota City, Humboldt in background (upper right hand)

*For 60 years ...
A world leader in the manufacture
of material handling equipment.*



BAG FILLERS

CONVEYORS

PALLETIZERS

SYSTEMS

Hwy. 3 East, PO Box 279, Humboldt, Iowa 50548 / Ph. 515.332.4045 Fax 515.332.1502

www.chantland.com