

It started with bearings Federal Mogul rolls along the business railway

By JACKIE KLEIN

In 1889, William McKinley was president, Victoria ruled the British Empire and Nicholas II was Czar of Russia.

It was the year of hoop skirts, lawn tennis, moustache cups, well-groomed mares and shiny carriages. And it was the year Federal Mogul Corp., now headquartered in Southfield, was founded with a work force of two.

J. Howard Muzzy and Edward F. Lyon formed a Detroit-based firm, the Muzzy-Lyon Co., specializing in the sale of mill and factory supplies. Federal Mogul traces its origin to that small firm.

Most bearings in those days were made of a single type of metal. Muzzy

and Lyon recognized the need for different types of metals so they formed a subsidiary company to produce new bearing alloys. The company was called Mogul Metal.

Bearings were made by pouring molten metals directly into a motor block and shaping the metal to fit. To replace a bearing, a mechanic had to gouge out the old one and pour in new metal.

MUZZY AND Lyon bought an old printer's type casting machine and began experimenting. The die-cast machine was so successful, the partners dropped mill supplies and devoted full time to the promising new project.

Business mushroomed. Mogul Metal

moved into a new plant, and Bower Roller Bearing Co. was formed in Dayton, Ohio. Both firms grew steadily. Lyon withdrew and sold his interest in Mogul Metal. Bower moved to Detroit.

In 1915, Mogul Metal celebrated the production of 20,000 bearings in one month. Federal Brass Works, later to become the Federal in Federal Mogul, was formed and produced bearings, bronze castings and bushings.

In 1924, Federal Brass Works, renamed Federal Bearing and Bushing Co., joined forces with Muzzy. The new organization was named Federal Mogul Corp. The combined sales volume doubled in the first year and tripled in the second.

By late 1931, the company—along

with the rest of the country—faced the worst depression in the nation's history. To put some men back to work, the company developed a new marine propeller made popular by Gar Wood.

Sales gradually increased, and in 1941, under pressure by the defense program, a separate plant was established. Production continued to grow until all PT boats and many other allied craft were driven by Federal Mogul propellers.

THROUGH WORLD WAR II, the corporation manufactured bearings by the millions for weapons, carriers, Jeeps and ships. Allied fighter planes used Federal Mogul bearings and bushings as did combat vehicles in the African and European theaters.



Federal Mogul Corporation, with world headquarters in Southfield, has come a long way since it was formed in 1889 as a two-man operation selling mill and factory supplies. (Staff photo)

Exciting EthanAllen Values!

SAVE \$35 TO \$120 ON FINE UPHOLSTERED SOFA, CHAIRS AND OCCASIONAL TABLES

...and note the super values on a wide selection of Furniture Items throughout our Ethan Allen Galleries.

Ethan Allen has designed a warm, gracious American Traditional living room of lasting beauty. And... it can be yours at exceptional Winter Sale prices. Every place shown in this grouping is reduced including the rich, rich Wall Units. Of course, we honor sale prices on both in-stock and custom-orders.

| | Reg. | SALE |
|----------------|---------------|---------------|
| 81" Wing Sofa | from \$579.50 | from \$459.50 |
| Wing Chair | from \$339.50 | from \$269.50 |
| Lamp Table | from \$214.50 | from \$179.50 |
| Cocktail Table | from \$214.50 | from \$179.50 |

WIGGS TERMS, of course • open Mon. Thurs. Fri. 'til 9
644-7370 Since 1903
1980 TELEGRAPHED at Lodge Lake Rd. BLOOMFIELD HILLS

Bill collector put on students' tracks

Schoolcraft College will turn to a collection agency in an attempt to collect \$2,180 short term loans that students have failed to repay.

Altogether, 29 loans to 26 students are considered delinquent. The balances due range from \$20 to \$100.

Meanwhile, said Edward McNally, vice-president for student affairs, those students can receive no grades, no transcripts and no diplomas.

JOHN TOMEY, director of financial delinquency rate has ranged from three to seven per cent, depending on economic conditions. The current number of defaults represents nearly seven per cent of the short term loans out.

The administration realizes that while the percentage of delinquent short-term loans has remained relatively constant, the dollar value to be written off has increased. McNally said in a memo to the board.

Farmington Observer

MEANS DELIVERY SERVICE
NONASSURED
CARRIER

FINE FURNITURE SINCE 1917

Stewart-Glenn
Invites you to our
61st Annual Winter Sale

Almost everything's included and savings amount from 10% to 20% and more. All lamps, wall and table accessories, clocks, and accent pieces are included. Of course, special orders are at sale prices.

Look for very special savings in our Pennsylvania House Gallery, and remember, when you visit us, our interior decorators are available to assist you.

Stewart-Glenn

2600 N. WOODWARD AVE., BLOOMFIELD HILLS
Just South of Square Lake Road 332-8348
Monday, Thursday, Friday Evenings 'til 9 p.m.

RUG ABUSE

STOP ABUSING YOUR RUG
USE FERGUSON
RUG RESTORATION
AND SAVE!
FEBRUARY SALE!
15% OFF

- WALL-TO-WALL & LOOSE RUGS
- SHAGGED OR STEAM CLEAN

5 Mile
Stewart-Glenn
Interior
Decorators
JAMES SCHROEDER LTV. No. 525-1220

BARGAINS
in your hometown newspaper

Awrey's just reduced the calories in a slice of bread by 50%!

(but we haven't reduced the great taste)

Approximately 37 calories per slice

- No artificial preservatives
- No sugar added
- Enriched

Makes great sandwiches
Even 3 deckers.
Let's the flavor of the filling come through.

NO ARTIFICIAL PRESERVATIVES — NO SUGAR
SLIM SLICE AWREY'S BAKING WHITE BREAD
16 OZ. (1 LB.) 59¢
AWREY BAKERIES INC. LIA. MIA. MICHIGAN 18702

INTRODUCTORY PRICE
White 53¢
Wheat 63¢

AWREY

Mr. Gil Le Fleur
(formerly of Hudson Northland)

Cutting hair in your home or business.

Mon.-Sat. 7 a.m. to 10 p.m.
Call 352-4498 for appointment.

A salon will be open in your area soon.

ATTENTION FIREPLACE OWNERS

—Free Heat Machine—
Demonstration
by Manufacturer's Representative
Coming Friday and Saturday
Feb. 10 and 11th • 10-5 P.M.

Wooden Heat Stove Works
744 STARKWEATHER • PLYMOUTH
459-0920
Hours: Mon-Thur 9:30 - 7
Fri 9:30 - 9 Sat 9:30 - 5

GARAGE DOOR OPENERS
BY ALLIANCE!
MODEL GS 450

\$175.00

INSTALLED
SOLID STATE CONTROLS
\$185.00
DIGITAL CONTROLS
1 YEAR WARRANTY.

ANTENNA SERVICE CO.
WESTLAND 326-7575 PARTS & SERVICE PONTIAC 335-9079.