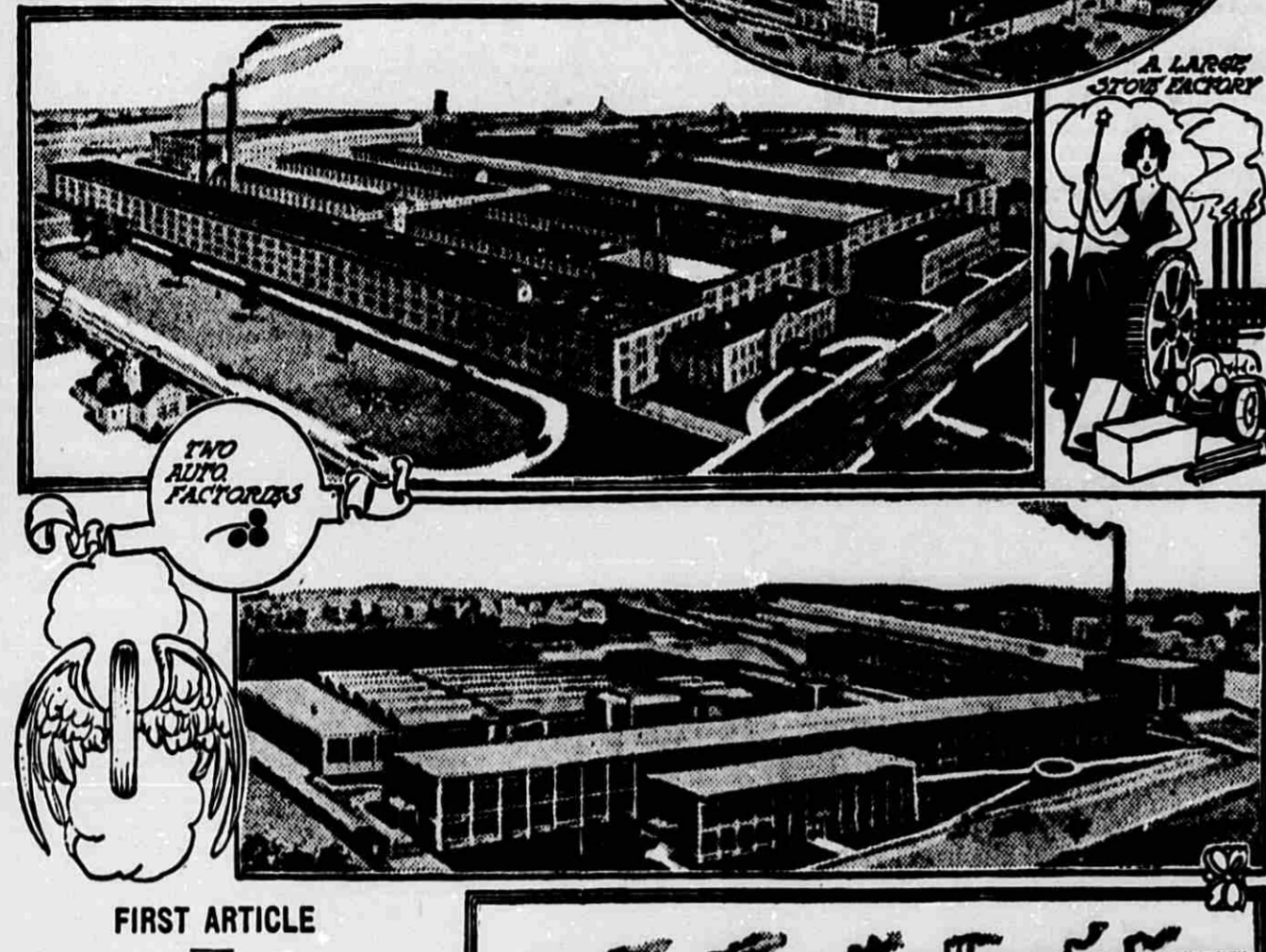


MICHIGAN'S MANUFACTURING INDUSTRIES



FIRST ARTICLE

Michigan is the land of plenty. No state in the Union offers greater opportunities to the manufacturer than Michigan. The history of the growth of the manufacturing industries of the state is proof conclusive of the truth of this assertion.

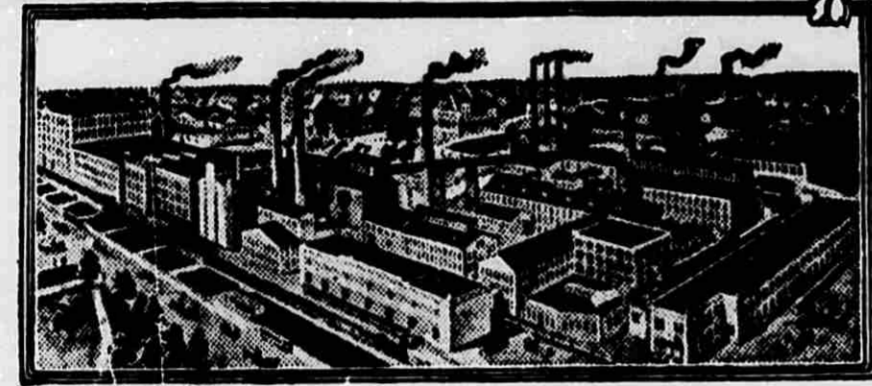


Table with 2 columns: Industries and Value of products. Lists items like Automobiles, Lumber and timber products, Foundry and machine shop, etc.

Manufactures. Five leading industries of Michigan as measured by value of products in 1909:

Manufactures. The manufacture of automobiles in Michigan on any considerable scale commenced in Detroit less than a decade ago, although it had been carried on to a limited extent prior to that time.

Michigan has for many years been one of the leading manufacturing states. In 1849 the value of its manufactured products amounted to \$11,169,000; by 1899 it had increased to \$118,395,000, and in 1909 it amounted to \$685,109,000.

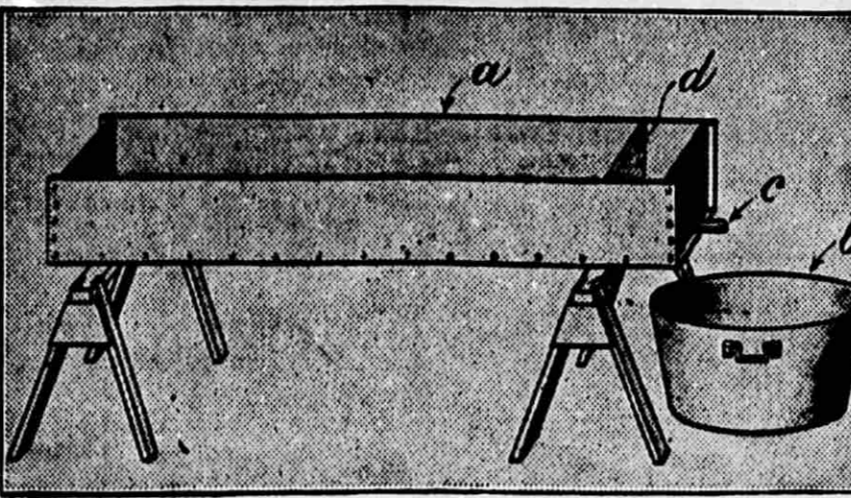
During this period the gross value of manufactured products for capita of the total population of the state increased from \$28 to \$344. The proportion which the manufactures of the state represented of the total value of the products of manufacturing industries in the United States increased from 1.1 per cent in 1849 to 3.8 per cent in 1899 and 3.3 per cent in 1909.

Steel Pipe Piles. Piles of steel pipe 14 inches in diameter and three-quarter inch thick have been driven for the new quarantine landing at Balboa, Canal Zone.

Cost of Sugar Beets. A recent investigation into the cost of sugar beet growing in England showed that the expense incurred by the farmer in growing an acre of sugar beets was approximately \$40.

Blame Condition of Mind. John Bunyan a man whom Fate had singled out as a Confirmed Hypochondriac.

SMUT OF WHEAT IS PREVENTABLE DISEASE



Simple Apparatus for the Formalin Treatment Consisting of Trough, Tub and Sawhorse—A, Trough; B, Tub; C, Pins Plug; D, Perforated Tin Plates.

Wheat growers in this country not infrequently experience serious losses caused by preventable diseases. Wheat is preyed upon by a number of parasitic fungi, three of which are classed as smuts.

USE OF CARBON BISULPHIDE

Affords Rather Cheap and Simple Treatment for Eradicating Grain Moths and Weevils.

The liquid may be thrown directly on the grain without injury, but better results will be secured by pouring it into shallow pans, scattered over the surface, or if these are not available, it may be poured upon old rags or cotton waste.

Treat Seed With Formalin. Bunt or covered smut of wheat is one of the most easily prevented of any of the cereal diseases. The following procedure is recommended: Run all seed wheat through a fanning mill in order to blow out the unbroken smut balls.

Damp Chicken Weather. The continued wet weather of the present season has caused many damp chicken houses.

White Bread. Into your bread mixer put one cupful of flour, one tablespoonful of salt, three tablespoonfuls of sugar and a heaping tablespoonful of lard.

Italian Moid. Cook two teaspoonfuls of rice until tender in a pint of milk in a double saucepan.

Egg Production. Produce the infertile egg. Infertile eggs are produced by hens having no male birds with them.

Fire-Grained Cake. One egg, one cupful sugar, one-half cupful of butter, one and one-half cupfuls flour, one and one-half teaspoonfuls baking powder.

Peach Bombe. Scald a quart of milk, add a heaping teaspoonful of cornstarch mixed with four tablespoonfuls of sugar.

Child's Education. The education of the child in ideals of equity must come in large measure from the give and take of his relations with other children.

Loose Smut. The other wheat smut occurring in this country, known commonly as loose smut, is not so serious as bunt, although it probably produces an average loss of three-fourths of one per cent of the total wheat crop of the country.

Easy Way. "Here's a woman wants a divorce because her husband threw chopped meat in her face."

ADD SALAD DISHES TO MENU

People Today Eat Too Much Cooked Food That is Frequently Lacking in Nutritive Qualities.

It has long been a joke how cats and dogs, when out of sorts, fly to grass or some kind of green food for relief. The animal knows by instinct what only a few human beings are beginning to learn from experience—namely, that nature has provided vegetables of the leaf order, rich in mineral salts.

Salad. The blood of a healthy person should be alkaline—that is, the opposite of acid—and it is the alkaline salts in vegetables which bring about this healthy condition.

PARSNIP NOT GIVEN ITS DUE. With Proper Preparation the Vegetable Should Be One of the Greatest Table Favorites.

Do you like parsnips? If you don't, why don't you? If they cost as much as French artichokes—which have far less flavor—wouldn't you like them?

White Bread. Cook two cupfuls of rice until tender in a pint of milk in a double saucepan.

Fire-Grained Cake. One egg, one cupful sugar, one-half cupful of butter, one and one-half cupfuls flour, one and one-half teaspoonfuls baking powder.

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Easy Way to Fame. It is easy to get a reputation as a sage. Just refrain from talking when you have nothing to say.—Cincinnati Enquirer.

6 HOME BEAUTIFUL



A Lavishness of Bloom Scarcely Believable.

GROW HARDY ROSES

The season of bloom of the "hybrid perpetual" can be greatly extended by intelligent cultivation and a proper selection of varieties. The sturdy bushes should carry their beautiful flowers way into the fall.

FERNS EASY TO RAISE. The ordinary way to propagate this class of plants is by dividing the plant, by the creeping rhizomes, by the little bulblets that form on the fronds and by the seeds or spores that appear on the underside of the leaves.

Italian Moid. Cook two teaspoonfuls of rice until tender in a pint of milk in a double saucepan.

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The LOWELL LEDGER

Published every Thursday afternoon at Lowell, Michigan

F. M. JOHNSON, Editor and Prop'r

Subscription by Mail, Postpaid

That the effort of women to secure the right of franchise

for their land and improvements, the banks have been figuring on assisting them to tide over until after another harvest.

The demand for a grand jury to investigate alleged irregularities in county affairs, should at least be useful as a warning to any official who thinks that "Public office is a private snafu."

A RABBIT hunter crawled through a barbed wire fence and pulled his gun after him. He's dead. Ever read anything like that before?

IMMEDIATELY following announcement of salary increases for insane asylum officials, comes news of an empty treasury at Lansing, with no replenishment in sight until January.

ALTON. Oct. 18.—Mrs. Helen Kinney Trumbull of Spokane was a guest at Morris Trumbull's and Bert Norton's last week.

"PAY UP week" is an idea that is proving popular in many counties, cities and towns. A time is set, when everybody, so far as possible, pays his debts.

How many Lowell people would take an active interest in a winter's club work on American history, as seen in the lives of its presidents?

FROM the Wexford-Traverse potato country, which was hard hit by early frosts, comes the welcome news that the harvest shows the damage not so great as feared, and that with better prices, at least an average profit will be realized by the farmers.

ROXALL Dyspepsia Tablets will relieve your indigestion. Many people in this town have used them and we have yet to hear of a case where they have failed.

Several Moseley ladies attended the funeral of Mrs. Gould, Mrs. Johnson and son Robert, which was held at Reiding Thursday.

MISS ROSE KROFT and Letha Rogers of Lowell spent Friday night with Mrs. Kropf.

GET RID OF THOSE POISONS IN YOUR SYSTEM You will find Dr. King's New Life Pills a most satisfactory laxative in releasing the poisons from your system.

LOWELL DIST. NO. 2. Oct. 18.—Mrs. Clyde Norman of Lowell spent a day last week with her sister, Mrs. Edith Coone.



Copyright Hart Schaffner & Marx

Sir: The new Fall Overcoats are here; they're ready for your inspection

VASITY SIX HUNDRED The Stylish Overcoat The picture shows you one variation; have many more variations of this stylish overcoat.

BOYS' SUITS. Our special value suit at \$4.85. 2 pairs lined pants go with it. "Better values" than any you can find near the price.

MOSELEY Will Condon and family spent Sunday at their cottage at Murray Lake.

GRATTAN CENTER. Oct. 18.—Mr. and Mrs. Lawrence Pelter are visiting their parents in Ludington.

EAST GRATTAN. Oct. 18.—Mr. and Mrs. Philip Hartley of Lowell visited L. Jacobson and family Sunday.

EAST LOWELL. Oct. 19.—James F. Sargent was in Grand Rapids Monday.

WARD Hubbel of Grand Rapids visited his mother over Sunday and Monday and attended church at Lowell.

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To Cool a Burn and Take the Fire Out. Be Prepared For Accidents. A Household Remedy. HANFORD'S Balsam of Myrrh

For Cuts, Burns, Bruises, Sprains, Strains, Stiff Neck, Chills, Lame Back, Old Sores, Open Wounds, and all External Injuries. Made Since 1846. Ask Anybody. Price, 25c, 50c, and \$1.00. All Dealers or Write to the Manufacturer, C. H. Alexander & Son, Syracuse, N. Y.

ELMDALE. The grim reaper has again taken one of our best friends and neighbors, Mrs. Henry J. Rosenberger, who passed away at her home Thursday at 5 p. m.

SOUTH LOWELL. Oct. 20.—Miss Jessie O'Harrow returned last week from her western trip. She attended the Panama Exposition, and visited various other points of interest and spent some time with Mr. Moyer's family of Monticello, who formerly lived in Lowell.

STATE OF MICHIGAN. The Probate Court for the County of Kent. At a session of said court, held at the probate office in the city of Grand Rapids, in said county, on the 4th day of October, A. D. 1915.

STATE OF MICHIGAN. The Circuit Court for the County of Kent in Chancery. Charles Johnson, Complainant, vs. Elnora Johnson, Defendant.

STATE OF MICHIGAN. The Probate Court for the County of Kent. In a session of said court, held at the court house in the city of Grand Rapids, in said county, this fourth day of October, 1915.

STATE OF MICHIGAN. The Circuit Court for the County of Kent in Chancery. Charles Johnson, Complainant, vs. Elnora Johnson, Defendant.

STATE OF MICHIGAN. The Probate Court for the County of Kent. In a session of said court, held at the probate office in the city of Grand Rapids, in said county, on the 7th day of October, A. D. 1915.

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Bright Prospects For a Treat. Every cup of Nero coffee is a delicious treat. For flavor, aroma and richness it is unequalled. You know you have an unquestionably good coffee when it's Nero. Nero Coffee — 25c. An invigorating and refreshing beverage for your breakfast.

DON'T EAT foodstuffs unless you know they are of best quality if you want to keep in the best of health. Inferior groceries are weak in nourishment and rich in doctors' bills. They are expensive at any old price.

G. W. BANGS & CO. THE OLD STAND-BY. Pullen Block Phone 250. Here are some of the things: Iron Beds, Wood Beds, Dressers, Davenport, Kitchen Cabinets, Dining Chairs, Dining Tables, Dish Cupboards, Nursery other articles.

NOTICE. Our Window for Bargains in Furniture. We are overstocked on some things and we are going to make the price reduce the stock.

YEITER & CO. HOME FURNISHINGS. Here are some of the things: Iron Beds, Wood Beds, Dressers, Davenport, Kitchen Cabinets, Dining Chairs, Dining Tables, Dish Cupboards, Nursery other articles.

Farming is the most independent life and safest business there is today. Come to McBride. If you want to buy a fine farm or a new one to develop into a good home, you can't buy poor land here—there is none.

H. L. Godfrey, McBride, Michigan. TAKE THE CHICAGO BOAT TO CHICAGO. Effective Oct. 16, until further notice. Daily Service from Grand Rapids via Grand Rapids, Holland & Chicago.

Farmers Attention! Am in the market for your Wool, Live Stock, Potatoes, Beans and Seeds. For highest prices call Citizens Phone No. 50, or call at my elevator, Lowell, Mich.

HOMES. Many people have paid for their homes through The LOWELL BUILDING & LOAN ASSOCIATION with small monthly payments, just about what rent would be.

Be Particular. Be one of the "particular" people. When you make up your mind that you want "Lily White" flour, you've a reason for it and you should insist on getting it.

Where You See the New Things First! The only purchase you need to keep is the one that satisfies. A.L. COONS. The Home of Hart, Schaffner & Marx Clothes. We're here to give you the best in men's wear. We are doing it.

Enjoy Your Work and Your Play. I have given Foley Cathartic Tablets a thorough trial, and from the results obtained, I can honestly recommend them as a mild but sure laxative. They work without griping.

THE RED MIST A TALE OF CIVIL STRIFE BY RANDALL PARRISH ILLUSTRATIONS BY C. D. RHODES

SYNOPSIS.

Confederate Sergeant Wyatt of the Madison artillery is sent as a spy to the Union...

CHAPTER VII—Continued.

My lips were dry, but I nodded, half fearful I might be slipping into some trap...

"We were acquaintances, not friends," I replied, hoping the retort might cause her to change the subject...

I made some answer, and she sat there silently, her face turned now toward the fire in the grate...

The wind rattled the blinds, and the rain beat heavily against the side of the house...

"Do not fire!" she exclaimed. "He is not a fighting man."

The fellow lifted one arm, and stepped forward full into the light. He was a man of years, unarmed, a tall, ungainly figure...

"Have you ridden far?" "From Lewisburg."

"The words I would speak are indeed of a confidential nature—"

"No, it was not your father," he said almost coarsely...

"You say my father is dead—killed," she said, in steady, clear voice.

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"I ran my gun muzzle hard into his ribs, and he dodged suddenly, his lips drawn back in a snarl..."

"I don't know whether he is coming, or not," he blurted out reluctantly.

"I touched her with my hand in restraint, the revolver still at the preacher's heart."

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EARLY TROUBLES OF MEXICO

Entertaining and Unscrupulous Sea Rovers Took Toll of Coast Towns and Plate Ships.

HE WENT HIS WAY

The smart traveling man stood on a corner in the little country village at dusk.

CHEAP TO HUNT IN ENGLAND

Game Preserves Not in Demand as in Normal Years—Men Are Engaged in Branches of Army.

INDIANS IN UNITED STATES

How the Red Man is "Turning Defeat into Triumph"—Increasing Attendance Shown at Schools.

REVIVING LONG TUNIC

PARISIAN DRESSMAKERS WORK FOR ITS ADOPTION.

CRETONNE TOQUE

An Out-of-the-Ordinary Millinery Creation in a Season When Velvet and Hatter's Plush Predominate.

MAKING GOOD COFFEE

CERTAIN RULES THAT WILL HAVE TO BE OBSERVED.

WOMAN REFUSES OPERATION

Tells How She Was Saved by Taking Lydia E. Pinkham's Vegetable Compound.



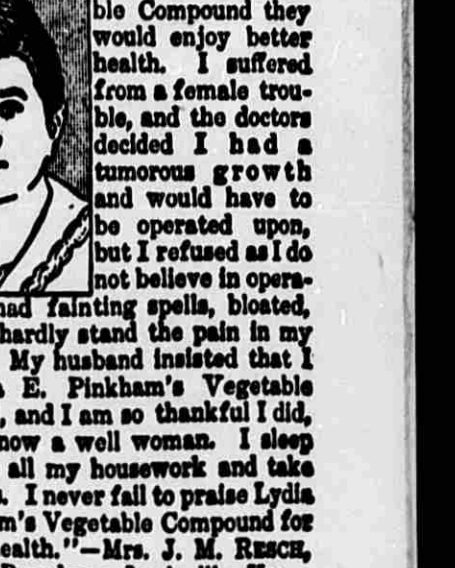
The Muzzle of My Revolver Touched His Chest.



An Early Winter Model by Redfern, a Long Cossack Coat With Full Skirt to Match of Tan Covert Coat, a Sash of Black-and-White Striped Silk Jersey.



Real Mocha coffee—something rarely seen, by the way—requires less roasting than any other because of the great amount of oil in the bean.



Louisville, Ky.—"I think if more suffering women would take Lydia E. Pinkham's Vegetable Compound they would enjoy better health."

Safety First

Indigestion, constipation, biliousness and many ailments of the digestive organs are often the source of serious illness.

BEECHAM'S PILLS

For Varicose Veins and Ulcers, Hemorrhoids (Piles), Eczema, Painful Swellings, Abscesses, Sores, Etc., use MOONE'S Emerald Oil

WALNUT CARAMEL CAKE

Cream one-half cupful of butter with two cupfuls of sugar and add the well-beaten yolks of four eggs.

Instant Postum—a soluble powder—dissolves quickly in a cup of hot water, and with cream and sugar, makes a delicious beverage instantly. 30c and 50c tins.

