

Berrien County Record.

VOLUME XV. BUCHANAN, BERRIEN COUNTY, MICHIGAN, THURSDAY, NOVEMBER 3, 1881. NUMBER 39.

Business Directory.

SOCIETIES.

O. O. F.—Buchanan Lodge No. 75 holds its regular meeting at Odd Fellows Hall, on each Tuesday evening.

A. M.—Buchanan Lodge No. 86 holds a regular meeting on Monday evening on or before the full moon in each month.

P. O. F.—Buchanan Grange No. 40 meets on the second and fourth Saturday of each month, at 10 o'clock P. M.

L. O. G. T.—Buchanan Lodge No. 336 holds its regular meeting on each Monday evening.

W. C. T. U.—Buchanan holds its regular meeting at the Presbyterian Church on each Tuesday at 3 P. M.

ATTORNEYS.

M. P. LINDFORD, Attorney and Counselor at Law and Solicitor in Chancery. Office over the Bank, Buchanan, Mich.

VAN RIVER & WORTHINGTON, Attorneys and Counsellors at Law, and Solicitors in Chancery. Collections made and proceeds promptly paid. Office over the Bank, Buchanan, Mich.

DAVID E. HIXMAN, Attorney and Counselor at Law, and Solicitor in Chancery. Collections made and proceeds promptly paid. Office in Rough's block, Buchanan, Mich.

GEORGE E. EDWARDS, Attorney and Counselor at Law, and Solicitor in Chancery. Collections made and proceeds promptly paid. Office in Rough's block, Buchanan, Mich.

THORNTON HALL, Attorney and Counselor at Law and Solicitor in Chancery, Buchanan, Michigan.

PHYSICIANS.

S. DODD, M. D., Physician and Surgeon. Office in E. S. Dodd & Son's store, Buchanan, Mich.

J. C. ROSS, M. D., Physician and Surgeon. Office over the Bank, Buchanan, Mich.

D. R. W. BAKER, Physician and Surgeon. Night calls promptly attended to. Office over the Bank, Buchanan, Mich.

M. W. SLOCUM, Homeopathic Physician and Surgeon. Office at Buchanan, Mich.

MRS. E. F. ANDERSON, M. D., Office and residence, Buchanan, Mich.

J. J. SMITH, M. D., Office and residence, Buchanan, Mich.

MRS. MAHRIA DUTTON, Midwife and Nurse. Office at Buchanan, Mich.

M. WILSON, DENTIST. Office, first door north of the Bank, Buchanan, Mich.

J. G. MANSFIELD, Operative Dentist. All work done at the lowest rates. Rooms over the Bank, Buchanan, Mich.

G. CLOTHING, BOOTS & SHOES.

WEAVER & CO., dealers in Clothing, Hats, Caps and Gent's Furnishing Goods. Front Street, Buchanan, Mich.

THE ARCADE Clothing House, Buchanan, Mich. J. M. BERNARD, Proprietor.

GEORGE W. NOBLE, general dealer in Boots, Shoes, Men's, Boys' and Youths' Clothing. Central block, Front St., Buchanan, Mich.

MRS. POWERS, All kinds of work made to order, adding all the latest styles. Attention paid to repairing. Also, ready-made Boots on hand and warranted.

DRY GOODS, & C.

T. M. FULTON & CO.—Call at the Double Store of T. M. Fulton & Co., Buchanan, Mich., to buy goods.

C. C. C. HIGH, dealers in Dry Goods, Fine Groceries, Waxed Paper, Curtains and Fittings. Front street, Buchanan, Mich.

BERRIEN COUNTY CO-OPERATIVE ASSOCIATION, Buchanan, Mich.

W. E. PLIMPTON, Notary Public, Conveyancer and Attorney at Law. Office in Buchanan, Mich.

FARMERS' MUTUAL FIRE INSURANCE ASSOCIATION of Berrien County, Only farm risks taken. W. H. HARTZ, Sec'y, Buchanan, Mich.

AUCTIONEERS.

N. HAMILTON, Auctioneer. Will attend to all business in my line promptly, at reasonable prices. Give me a call. Address, Buchanan, Mich.

E. V. LOGAN, Auctioneer. All business with prompt attention, at reasonable prices. For Office address, Buchanan, Mich.

DRUGGISTS.

D. E. S. DODD & SON, Practical Druggists. Toilet Articles and Perfumery. Front Street, Buchanan, Mich.

W. E. SEVERSON, Practical Druggist. Fine Toilet Articles and Perfumery. Front Street, Buchanan, Mich.

WESTON, Practical Druggist, dealer in Drugs, Medicines, Patents, Oils, Toilet Articles, School Books, Stationery, &c., south side of Front street.

HOTELS.

DUNBAR HOUSE, Buchanan, Mich. A. B. Sahlin, proprietor. First-class in every respect.

DE FIELD HOUSE, Berrien Springs, Mich. The proprietors will spare no pains to furnish a first-class hotel at the country price.

RED HOUSE, Berrien Springs, Mich. Good, clean, comfortable. Good, clean, comfortable.

GROCERIES, & C.

FARMER'S BROS., dealers in Groceries, Crockery, Glassware and Baking Goods. Day's block, Buchanan, Mich.

C. NASH, dealer in Family Groceries and Groceries, Stationery, Stationery, &c., corner of Front & Oak streets, Buchanan, Mich.

S. W. SMITH, dealers in Staple and Fancy Groceries, Provisions and Crockery. Central block, foot of Main St., Buchanan, Mich.

HARDWARE.

DOUGHERTY, Wholesale and Retail dealers in all kinds of Hardware, Agricultural Implements, Paints, Oils, Glass, Agricultural Implements, &c. Front St., Buchanan, Mich.

WOOD & SAMSON, dealers in Shelf and Heavy Hardware, Stoves, Tinware, Paints, Oils, Glass, Agricultural Implements, &c. Front St., Buchanan, Mich.

FRANK MERRISON, proprietor of Central Meat Market. Cash paid for all kinds of live stock and produce. South side Front street.

MILLERS.

WINGERY & MARBLE, proprietors of Indian River Mills, Buchanan, Mich.

DOUGHERTY & PEARCE, proprietors of Buchanan and Rural Mills. Custom and merchant grinding of all kinds. Buchanan, Mich.

PHOTOGRAPHERS.

CATHERY, Photographs, Portraits, Oil Paintings, India Ink, &c., and Photo-Crayons. Main street, Buchanan, Mich.

E. BRADLEY, Photographer. Constantly on hand the latest improvements in the art. Second door east of Post-office.

BRICK MANUFACTURERS.

HENRY BLODGETT, manufacturer of Building, Water, and Drainage Bricks. Yard in Mansfield's addition, Buchanan, Mich.

F. FULLER & CO., manufacturers of concrete, and all kinds of well and cistern brick. Day's Avenue, Buchanan, Mich.

TAILORS.

JOHN FENDER, Fashionable Tailor. Work executed in the latest style, and warranted to suit. Main street, Buchanan, Mich.

Business Directory.

MILLINERY GOODS.

MRS. P. B. DUNNING, Reliable Milliner. Always something new to suit customers. Parlor, Main St., Buchanan, Mich.

MRS. M. FRANK, Fashionable Milliner. The latest styles always on hand. One door east of Post-office, Buchanan, Mich.

MRS. L. D. BUNKER, Fashionable Milliner. Latest styles constantly on hand. One door north of Bank, Main St., Buchanan, Mich.

MRS. CONANT has opened a new stock of Millinery Goods. Will take the ladies of Buchanan to give a call. Main street, Buchanan, Mich.

MISCELLANEOUS.

J. R. CROCK, Practical Watchmaker. Watches, Clocks, Pianos, for sale cheap. Trevelock Building, Buchanan, Mich.

ZINGOLINI PAD CO., sole proprietors and manufacturers of Curtis' Patent Collar Pad, Buchanan, Mich. For sale by dealers everywhere.

J. J. SLATER, manufacturer of Wagons, Carriages, Buggy, &c., &c. Repairing attended to promptly. Front street.

FARMERS & MANUFACTURERS BANK, Buchanan, Mich. All business entrusted to this Bank will receive prompt and personal attention. Wm. Pease, Pres.; Geo. H. Richards, Vice Pres.; A. F. Ross, Cashier.

GEORGE CHURCHILL, Contractor and Builder, and dealer in Lumber, Lath and Shingles. Front street, Buchanan, Mich.

MRS. FRANK WHITMAN, Agent for Victor Sewing Machines. Attachments, oil and needles furnished for all machines. In Bradley's Photograph room, Front St.

BUCHANAN MARBLE WORKS. Monuments and Headstones of all designs and kinds of marble. J. S. DUNN, Proprietor.

J. V. VOORHEES, manufacturer of Fruit and Flower Baskets. Special attention to custom work. Corner West and Main streets.

W. O. HAMILTON, Milk Dairy. Delivers Milk daily, head of Front street.

CHAS. W. SMITH, proprietor of Livery, Feed and Saddle Stable, opposite Dunbar House, Buchanan, Mich.

JACOB F. HALL, Undertaker. A full and complete assortment of Caskets and Coffins on hand. Burial Rites a specialty.

W. F. TALBOT, Machinist, Engineer, Threshing and Vegetable Plans for sale. Good plants at low prices. One mile north of Buchanan.

T. M. MORLEY, Star Foundry. A full line of South End Chilled Pione, and repairs for Kalamazoo, Oliver and Three Rivers Pione. Also, Iron Beam Pione. Casting done to order. Corner of Front and Front streets, Buchanan, Mich.

A. M. EVANS, Grainer, Painter and Paper Hanger, Buchanan, Mich. Good work at low prices.

JOHN WEISBERGER, manufacturer of Lumber. Custom sawing done to order. Mill on South side of Front street.

FOR THE BEST JOB PRINTING, CALL AT THE Record Steam Printing House.

All Calls Promptly Attended to, both in City or Country, as before.

Mrs. D. DUTTON, 10 Front St., Buchanan, Michigan.

S. P. & C. C. HIGH.

Camel Hair Suits, Shoodahs, all Colors.

Fancy Cashmere, all colors, Black Cashmere, all grades, Black Cordette.

Suits from Broadhead Mills, American Goods, all prices.

IN PRIMINGS WE HAVE EVERYTHING.

Air and Ocean Currents.
The sun, as is well known, is never exactly overhead in Ireland, nor in any

Air and Ocean Currents. The sun, as is well known, is never directly overhead in Ireland, nor in any of the western islands, except in the southern latitudes. But at the equator, and within certain limits north and south of it, the sun at certain periods of the year is directly overhead at noon. It is so at the equator, at the Cape of Good Hope, and of Caffraria. Upon the belt comprised between these two circles the sun's rays fall with their mightiest power; for here the atmosphere is the least, and the light and sea more direct than when they strike slantingly.

When the vertical sunbeams strike the land they heat it, and the air in contact with the hot soil becomes thereby expanded, and the air expands, and when it expands it becomes lighter. This lighter air arises, like wood plumped into water, through the heavier air.

When the sunbeams fall upon the sea, the water is warmed, though not so much as the land. The warmed water expands, becomes thereby lighter, and, therefore, rises up to the level of the air. This upper part of the water, warmed to some extent by the air in contact with it,

but it also sends up a quantity of aqueous vapor, which, being far lighter than the air, helps the latter rise. The wind becomes more and more laden from the sea, we see ascending currents established by the action of the sun.

When they reach a certain elevation in the atmosphere these currents divide and are carried in different directions and toward the south; while from the north and the south a flow of heavier and colder air sets in to supply the place of the ascending warm air.

Another circulation is thus established in the atmosphere.

The equatorial air and vapor flows above toward the North and South poles, while the polar air flows below toward the equator. These currents of air and vapor thus established are called the upper and the lower trade-winds.

But before the air returns from the

bles great changes have occurred. It is not true that the greater part of the glaciers were laden with aqueous vapor, which could not subsist in the cold but dry regions. It is there precipitated, falling sometimes as rain, or more commonly as snow, and near the pole is covered with this snow, which gives birth to vast glaciers.

It is necessary that we should have a perfectly clear view of this process, for great errors have been committed, regarding the manner in which glaciers are connected to the heat of the sun.

It was supposed that if the sun's heat were diminished, greater glaciers than those now existing would be produced. It was also supposed that the sun's heat would infallibly diminish the quantity of aqueous vapor, and thus cut off the glaciers at their source.

Let us illustrate this :

tion, the liquid to be distilled is introduced into the boiler, and converted into vapor in one vessel, and condensed in another, and chilled and reconverted into liquid in a third. The apparatus in which the equatorial ocean plays the part of the boiler, and the condenser. In this process of distillation the sun is the great power that produces the cold, and before Bishop Heber could speak of "Greenland's icy mountains, the equatorial ocean had to be warmed by the sun.

Instead of the glowing of the tropical sun, the sun is indirect. The solar beams have scarcely any power to heat the air through which they pass; but they heat the land and ocean, and these communicate their heat to the air in contact with them.

with the heat thus communicated.

But long before the air and vapour from the equator reach the poles, precipitation occurs. Wherever a humid, warm air mass with a cold dry one, reaches the poles, rain or snow falls. Indeed, the heaviest rains occur at those places where the sun is vertically overhead.

AS FAR AS HE KNEW.

A stranger from the East was having his boots blacked at the postoffice when a storm of rain was falling in the street. He saw the steamers rush out he inquired of the "shiner" at his feet:

"Bub, what sort of water system have you got in this city?"

The boy on his brush, looked up and down the street, and finally answered:

"Well, as far as I know anything,

about it, they all take water after their gin.

The reply seemed to be thoroughly satisfactory to the stranger.—*Detroit Free Press.*

A NONWOMAN woman living in New Orleans brushed baked, cul her wool, killed scar rifleman, ran off two tramps and shot an eagle all in one day and it wasn't the longest day of the year either.

Practical Application of Knowledge

Pupils in our common schools are sadly deficient in the power of practical application. This must be evident to every teacher and parent who has ever tested the matter by asking practical questions. The pupil who, with the book before him, can readily "get the

answers" to the difficult problems of the world. He is a man of profit and the profit his father receives of cloth bought for 20 cents and sold for 2 cents per yard. He learns in school that Columbus and Springfield are in the same latitude, and is not sure if the same is true between the two cities. Springfield and the North pole. He learns that every proper noun should commence with a capital, and then directs his first love letter to miss jennings smith. He can say an account of his life in 5 hours, 48 minutes and 48 seconds in a year, but has no idea of how many times the sun will rise and set between two Christmases. He can give correctly the principal parts of verbs and go, and immediately after be guilty of having just seen him, but now he has went away."

Is this fault, this studying to no purpose

tial purpose, due to our system of education? If it is, it is high time that our leaders in educational matters point out the fault and suggest the remedy. It is because teachers fall so meanly short in their work in teaching, and because their work in a manner so school-like and so little business-like that it never occurs to the pupil that what he learns from his books has any connection with or application to the things that occur in everyday life? Here we think is the trouble, and in this we should reform. Let each teacher make his work more and more practical, let him strive to lift his pupils into the world of things, to equip them with the things that will help them to live their matter for thought upon the simple, common things around them: let him endeavor

to create an interest in their minds upon the subjects discussed by the older people of the community, and soon we shall have a mass of children in our schools who were known at the age of 12 what is practical and useful than our children now know when they leave the common schools. — *Lansing Republican*

A Boy's Bargain.
In a Newburyport (Mass.) family where there are two boys, one of the brought home a worthless cat, to the disgust of the rest of the family. At last the older sister offered him half a dollar if he would give the dog away. He consented and pocketed the coin. When night came, prompted by curiosity, she asked the little fellow to whom he had given his dog, and was told, with his charming naivete, "Oh, I've given him to my brother."