

Patent Butter.

The X. Y. Journal of Chemistry says: A patent butter company has opened offices in this and in other cities, to show people how to make a pint of good butter out of a pint of milk, and to sell the right to make, and also a little white powder, which is the agent used to perform the magic work. At the office of the company they do not ask the eager purchaser to believe their statements, but they churn the butter before his eyes. A pint of milk, with half a pound of good butter, is put into a little tin churn, with a spoonful of the powder; the whole is warmed, and then five minutes' churning brings out one and a half pounds of good butter: Here is demonstration! What can be more convincing? No one suggests to the enterprising company that nearly nine-tenths of the milk used is water, and, if they perform what they allege, they are changing water into butter. This would, indeed, be a miracle equal to that of our Savior who changed water into wine.

We have been asked many times by intelligent gentlemen how this thing can be explained. Very easily. By the process the whole of the pint of milk (most y composed of water) is driven into or blended with the half pound of melted butter put into the churn. There is no important increase of real butter in the churn, although the watery mass, which looks like inferior butter, weighs more. Put the mass into a dish, and beat it, and the true butter will separate from the milk or water with which it is blended. This is the method by which butter and lard are greatly adulterated. Nearly all the lard sold by grocers contains from 25 to 40 per cent. of water. The adulterators have not been able, until within a year or two, to combine with genuine lard more than 25 per cent. of water; but recently, by the use of alkaline carbonates, partly saponifying the lard, they force into association more than 40 per cent. What a shameful fraud this is! And how hard it falls on poor people, who mostly consume the attenuated fat! We shall wage unceasing war upon these wicked frauds and schemes; and we ask all honest men and women to aid us in exposing, and thus preventing, the evils.

FIRM-FOR SALE.

I will sell my farm, situated in the northeast corner of Bloomington township, containing 120 acres, 30 acres enclosed with a good fence, 40 acres well cleared, between thirty and forty fruit trees; good sea of barn, good well and spring. Price \$1000. five hundred dollars down, the remainder in one and two years, with interest. For further particulars, inquire of John Nash or Jackson L. Atz. April 14, 1869.

FARM FOR SALE.

The undersigned offers for sale one of the finest stock farms in Monroe county, consisting of 400 acres, situated *five miles north-east of Bloomington*. A large portion is well set in grass; water always plenty and convenient; a good barn, dwelling house, &c. Terrible ery.

For further particulars, apply to **GEORGE SHEEKS**, Bloomington, Ind., May 16th.

W. J. ALLEN. **S. L. OSBORN.**
Allen & Co.,
South Side of the Public Square,

DEALERS IN
HARDWARE AND CUTLERY,
And all kinds of
Stoves and Tinware,
Nails, Sash, Glass, Paints, Oils,
and Farming Utensils,

MANUFACTURERS OF
Tin, Copper and
Sheet Iron Ware.
Bloomington, Ind., March 24, 1869.

GEO. A. BUSKIRK. **J. S. SMITH HUNTER.**
BUSKIRK & HUNTER,

ATTORNEYS AT LAW AND
PRIVATE BANKERS.

Bloomington, Ind., office north side of the public square.

We will attend to all business entrusted to our care, in the Courts of this State, and are also prepared to prosecute good and sound paper, on reasonable terms.

References—Messrs. McDonald & Ronin, Attorneys, Indianapolis; Messrs. Winslow, Launder & Co., Bankers, No. 52 Wall street, New York; Messrs. McCullough & Co., Merchants, Bloomington, Ind.

W. M. EMERY.

Something New!

RIDING MADE A PLEASURE.

For Ladies.

I AM NOW MAKING LADIES SADDLES on Gough's Patent Tree, the *Best Invention of the age*. The inventor, the best mechanic in the country, in this kind of work, is not in my employ, and is making some of these saddles for me. I will make and sell them cheaper than any one buying Saddles elsewhere, and selling them here. Also, a Large Stock of

SADDLES AND HARNESS of the Latest Styles, and

All Work Warranted.

ALL REPAIRING done on short notice, and in the best manner. Call and examine before purchasing elsewhere.

South Side of Public Square, Bloomington, July 1st. W. M. EMERY.

A full and complete stock of
Cards always on hand, at this office.

The Bloomington Progress.

Established A. D. 1835.

BLOOMINGTON, IND., JULY 28, 1869.

New Series.
Vol. 3—No. 13.

Curing Hay.

Experience proves that grasses should be cut for hay when the stalks are in bloom. The best time of all, both for clover and other grasses, is just when in full bloom, and the earliest blossoms are beginning to fade. If not too heavy, it can then be cut in the morning, and, if carefully scattered, can be hauled to the barn in the afternoon of the same day. This makes the best quality of hay. It retains more of the nutriment of grass than if it is left exposed to dews and rains for a few days, and goes much further both for fattening stock and producing milk. But when the grass is very heavy and 's cut with mowing scythe and thrown into heavy swathes or rows, it will not cure thoroughly under two days, and is not so good for food as that cured and put away in one day. Dew and moisture always a feet the fibre of cut grass, and weakens the strength of the hay. They also injure and destroy the sugary matter contained in the stems, and render them dry and tasteless. When a branch of hay can be twisted tight without showing moisture or juice it is dry enough to be stowed away. A little salt scattered over hay which has been caught in showers will improve it, and render it more palatable to stock.

The Indianapolis Mirror mentions the fact that the Town of Elkhart, in the northern portion of the State, has an extensive system of hydraulic works, for furnishing cheap power to machinery. Several large factories are run by this power, and the town is rapidly becoming a manufacturing place of some notoriety. With a foresight which will be productive, and a public spirit that is commendable, the hydraulic company makes an open opposition to furnish free power for five years to every manufacturing establishment which may be built in the future, a d after that to sell them power at a reasonable stipulated rate. Elkhart will doubtless derive great benefit from this corporation, which evidently *is* sense, even if it is without soul.

Thirty years ago John D. Smith went to Tipton, Ind., for the purpose of settling, and at that time crossed the Cicer creek on a piece of our oak log, that then looked as though it had lain there a long time. A few days ago that log was taken up and found to be sound enough to make good rails of.

To supply the demand for copies of the *Progress* containing Dr. Wyllie's article on the Eclipse, we re-published it entire:

[FOR THE PROGRESS]

Eclipse of the Sun, August 7th.

A total eclipse of the Sun, visible throughout the south-western portion of the State, will take place August 7th. The eclipse at Bloomington, will commence at 1 hour 20 minutes P. M. and end 3 hours 15 min. The total obscuration of the sun will occur at 5h. 15m. 15s. and continue for a short time, perhaps a minute or two, the central line the duration of the total phase will not exceed 3m. 47s. The path of the shadow is about 150 miles in breadth, this strip, or belt, within which the eclipse is total, extends from Siberia, passing through Russia, through Alaska, British America, Montana, Dakota, Nebraska, Iowa, Missouri, Illinois, Indiana, Kentucky, Tennessee, and North Carolina.

We present here the path of the central eclipse taken from the supplement of the American Ephemeris, as computed by Prof. Collin, through Indiana. Entering Indiana a long 12 miles N. of Vincennes, the central line will pass very near Washington and running through Indiana about 8 miles N. E. of Jefferson, passes diagonally through Crawfordsville two or three miles N. E. of Lexington and through Harrison, a short distance from Corydon and crosses the Ohio about 15 miles south of Louisville. The total eclipse will be visible for about 55 miles N. E. and S. W. of this line. All of the State of Indiana S. W. of this line drawn from the S. W. corner of Vermillion county, passing about midway between Crawfordsville and Rockville, and 10 miles N. E. of Bloomington, a little south of Franklin and near Vincennes to Bixby, on the Ohio river, will be within the limits of the total eclipse. The southern limit crosses very near the confluence of the Ohio and Wabash rivers, of course the nearer the place is to the central line, the better it is, the longer will be the duration of the darkness and the greater the darkness.

The accuracy of the above described limits of the eclipse depends on the accuracy of the tables from which they have been taken, and the correctness of the positions as laid down on the map used in determining the limits. We have no doubt but that the computations are all correct, but we do not feel so sure a bout the Latitude and Longitudes of the places as given in our map.

The eclipses of the Sun happen comparatively frequently, there must be at least two a year somewhere on the earth, but a total eclipse at a given place is a very rare occurrence. A total eclipse will be visible in the United States (H. A. D. 1869). As this is the case, it will be worth while to all to observe with some attention, this rare and interesting phenomenon. The darkness during the greatest obscuration does not exceed that of a night when the moon is full, though from the sudden failure of the light, it appears greater. The darkness, it is peculiar, it is described by Lardner as attended with a certain indescribable and uncouth light, which throws upon surrounding objects a faint hue, sometimes reddish, sometimes orange, or yellow-green." Just as the moon is about to cover the disc of the Sun, or to leave it, certain points of light are seen resembling somewhat a string of beads, and hence called from the one who first described them, Baily's beads. The cause of these is the roughness of the surface of the moon, the tops of the mountain, covering the edge of the disc of the Sun, while the light passes through the depressions between the mountains. These beads are not always equally conspicuous. There are also to be seen with the naked eye, certain faint, like reddish protuberances which show themselves at the instant of total obscuration, caused by clouds floating at innumerable heights in the solar atmosphere, but not sufficiently luminous to be seen unless during a total eclipse. There are several other things worthy of notice, which we cannot now stop to enumerate. Every circumstance connected with the Eclipse is worthy the attention of the intelligent observer.

W. M. EMERY.

Established the 29th day of December, 1868, the above named plaintiff filed in my office his complaint against a defendant, who is not a resident of Monroe county, Indiana. Said defendant is said to complain against him, that under a certain and successive demand, he, at the calling of said cause, on the 15th day of August, 1868, at his residence, M. and complainant, and the matters and things so complained of and alleged, will be sued and determined in his absence.

ALL REPAIRING done on short notice, and in the best manner. Call and examine before purchasing elsewhere.

South Side of Public Square, Bloomington, July 1st. W. M. EMERY.

PRUDENTIAL ATTORNEY.

State of Indiana, Monroe county, ss:

In the Court of Frederic P. Butler, Justice of the Peace of Bloomington township, John L. Spencer.

James D. Adams.

BE IT KNOWN, that on the 29th day of

December, 1868, the above named plaintiff filed in my office his complaint against a defendant, who is not a resident of Monroe county, Indiana. Said defendant is said to complain against him, that under a certain and successive demand,

he, at the calling of said cause, on the 15th day of August, 1868, at his residence, M. and complainant, and the matters and things so complained of and alleged, will be sued and determined in his absence.

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PRUDENTIAL ATTORNEY.

State of Indiana, Monroe county, ss:

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Established the 29th day of December, 1868, the above named plaintiff filed in my office his complaint against a defendant, who is not a resident of Monroe county, Indiana. Said defendant is said to complain against him, that under a certain and successive demand,

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