

Farm & Garden.

CHURNING BUTTER.

For a few weeks the Farmer's Club has devoted considerable time to the discussion of butter making, and much difference of opinion was elicited in regard to the proper temperature for churning butter.

It has long been known that the churning of butter is simply a mechanical operation, working no chemical change in the constituents of the cream. The butter exists in the milk forming 4 1/2 to 5 1/2 per cent. of its weight, but each little globule is enclosed in an exceedingly delicate membrane, which prevents the several globules from adhering together. By the process of churning these membranes are worn or broken, thus allowing the several globules to come together in a single mass. At a temperature below about 60 degrees this union will not take place, while at a few degrees higher temperature the casein of the milk will mingle with the butter, giving the butter a white color and the flavor of cheese. The best butter is obtained at the lowest temperature at which the butter will come, and this is variously stated at from 55 to 65 degrees. The difference of opinion may result from difference in the samples of milk tried by different observers, or it may be due to the fact that in some cases the temperature was observed before the churning commenced, and then the temperature was raised several degrees by churning. It was stated in a recent number of the Mechanic's Magazine, that Mr. Rennie raised the temperature of water by simply churning it, to the boiling point—While engaged in experimenting on the evolution of heat by the agitation of water, he put ten pounds of water into a churn which revolved at the rate of 232 revolutions per minute; and temperature of the water rose to the boiling point, and an egg was boiled hard in it in six minutes.

If the farmers throughout the country would buy the thermometers for the purpose, and would always have their cream at 60 to 66 temperature when they churn it, the average quality of our butter would be very greatly improved, and an immense amount of labor in churning would be saved. Thermometers without cases are most suitable for measuring the temperature of liquids, as they may be easily cleaned after immersion.—*Scientific American.*

Turnips—Purple Tops.

From the first of July to the first of August, turnips may be put in I prefer Purple Tops. They may succeed earlier crops, as onions, peas, green corn, early potatoes, &c. Superphosphate of lime will be found an excellent substitute for barn manure in the cultivation of most turnips, not excepting even the ruta baga. In putting in this crop, the sowing should immediately succeed the harrowing, and be completed while the soil is moist and fresh, to insure the germination of the seed. Drilling is preferable to broadcasting, as it enables the operator to adopt a more thorough system of after culture, and to keep the soil in a condition the most favorable to the rapid and healthy development of the plants. Any light land will prove congenial to this crop. Bone dust is an excellent stimulant, and possesses the advantage of being cheap as well as efficient. These turnips constitute a most excellent feed for cows and young cattle, and when rasped and mixed with chaffed hay, halm, cornstalks or straw, enable the feeder to effect a very important saving in the expense of them through the winter. Boiled and mixed with corn or cob meal, they also furnish a most healthy and invigorating aliment for store hogs. Sheep, likewise, are very fond of them. When fed to these animals they should be cut fine and fed with a little salt.

I have known excellent crops of turnips raised among Indian corn, the seed being sown after or just before the last dressing. The hoe will cover the seed sufficiently deep, and as evenness of dissemination is not of essential importance, its action will supercede the necessity of using the rake. Soaking the seed for 24 hours before committing it to the soil, in house lye, or urine from the stables, and rolling it in a mixture composed of equal parts of flour, of brimstone, plaster of Paris and pulverized charcoal, will be found not only greatly to facilitate the process of germination, but tend powerfully to protect the same from the ravages of the fly, and other alligorous depredators which too often prey upon the plants. An occasional dressing of the plants after they are fully developed, with the same mixture will be found highly salutary, and secure a rapid and healthy development. Poudreite and guano have also been used with excellent success in the cultivation of the turnip, but an old pasture land, recently broken up, no manure is necessary, except a slight dressing of gypsum or wood ashes.—*German Town Telegraph.*

The Detroit Tribune publishes returns of the crops from many portions of Michigan. The exhibit is generally favorable.

The American Citizen

Published every Wednesday in the borough of Butler by THOMAS ROBINSON in the Abitration room in the Court House.

TERMS OF ADVERTISING, &c. As agreed upon by the Publishers and Proprietors of the Butler Papers.

One square, one insertion.....	\$1.00
Each subsequent insertion, where the same does not exceed 5 lines, for each additional line, 5 cts. will be charged.	
Advertisements of 60 days, Executive, Administrative and Auditor's notices, each.....	25.00
Advertisements of 90 days, Executive, Administrative and Auditor's notices, each.....	35.00
Advertisements of 120 days, Executive, Administrative and Auditor's notices, each.....	45.00
Advertisements of 150 days, Executive, Administrative and Auditor's notices, each.....	55.00
Advertisements of 180 days, Executive, Administrative and Auditor's notices, each.....	65.00
Advertisements of 210 days, Executive, Administrative and Auditor's notices, each.....	75.00
Advertisements of 240 days, Executive, Administrative and Auditor's notices, each.....	85.00
Advertisements of 270 days, Executive, Administrative and Auditor's notices, each.....	95.00
Advertisements of 300 days, Executive, Administrative and Auditor's notices, each.....	1.00

Professional and Business Cards, not exceeding 8 lines, one year..... 5.00 || Applications for Licenses, each..... | 1.00 |
Notices of Discontinuance, &c., not exceeding 1 square, 5 insertions, each.....	2.00
10 lines of Nonpareil, or its equivalent, will make a square 200 WEEKS.	
1 sheet hand-bill, 50 copies or less.....	1.50
Each subsequent insertion, where the same does not exceed 5 lines, for each additional line, 5 cts. will be charged.	
Advertisements of 60 days, Executive, Administrative and Auditor's notices, each.....	25.00
Advertisements of 90 days, Executive, Administrative and Auditor's notices, each.....	35.00
Advertisements of 120 days, Executive, Administrative and Auditor's notices, each.....	45.00
Advertisements of 150 days, Executive, Administrative and Auditor's notices, each.....	55.00
Advertisements of 180 days, Executive, Administrative and Auditor's notices, each.....	65.00
Advertisements of 210 days, Executive, Administrative and Auditor's notices, each.....	75.00
Advertisements of 240 days, Executive, Administrative and Auditor's notices, each.....	85.00
Advertisements of 270 days, Executive, Administrative and Auditor's notices, each.....	95.00
Advertisements of 300 days, Executive, Administrative and Auditor's notices, each.....	1.00

WE ARE PREPARED TO PRINT, ON SHORT NOTICE Bill Heads, Books, Druggist Labels, Programmes, Constitutions, Checks, Notes, Drafts, Blanks, Business Cards, Visiting Cards, Show Cards, Pamphlets, Posters, Bills of Fare, Order Books, Paper Books, Billets, Sale Bills, &c.

AMERICAN CITIZEN Job Printing Office!

Ornamental, plain, Fancy, card Book AND GENERAL JOB PRINTING, in Abitration room in the Court House, BUTLER PA.

WE ARE PREPARED TO PRINT, ON SHORT NOTICE Bill Heads, Books, Druggist Labels, Programmes, Constitutions, Checks, Notes, Drafts, Blanks, Business Cards, Visiting Cards, Show Cards, Pamphlets, Posters, Bills of Fare, Order Books, Paper Books, Billets, Sale Bills, &c.

THE MOST APPROVED HAND PRESSES AND THE LARGEST ASSORTMENT OF TYPE, BORDERS, ORNAMENTS, RULES, CUTS, &c., IN THE COUNTY.

WE WILL EXECUTE EVERYTHING IN THE LINE OF PLAIN AND DEORATIVE PRINTING NEATLY, PROMPTLY, AND AT REASONABLE RATES. In a style to excel any establishment at home, and compete with any abroad.

SKILL & WORK EN ARE EMPLOYED IN EVERY BRANCH OF THE BUSINESS, AND WE ENDEAVOR TO MEET THE WANTS OF THE COMMUNITY, AND TO RETAIN THE HONORABLE DISTINCTION WHICH HAS BEEN ADOPTED BY THIS ESTABLISHMENT.

TASTE IN COMPOSITION AND Elegance in Press Work. In all the essentials of Cheap Printing, Good Paper, Tasteful Composition, Beautiful Press Work, and DISPATCH, we invite comparison, from getting out a Card of a single line to an illuminated Poster, or a work of any number of pages.

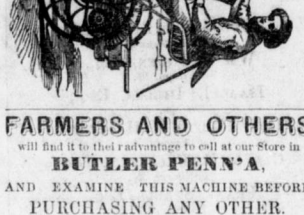
PROFESSIONAL CARDS. A. M. FRYMAN, M. D. Physician and Surgeon. Office immediately opposite Walker's buildings, Butler Pa.

THOS. ROBINSON Attorney at Law, AND PENSION AND CLAIM AGENT. Office with Chas. M. Candler, Esq., South West corner of the Plaza and Butler Pa.

THE UNION MOWER.

THIS MACHINE IS MADE BY JOHN HALL & CO., OF PITTSBURGH, PA.

All Mowers are Warranted to give ENTIRE SATISFACTION, OR NO SALE.



FARMERS AND OTHERS will find it in their advantage to call at our Store in BUTLER PENN'A. AND EXAMINE THIS MACHINE BEFORE PURCHASING ANY OTHER.

J. G. & Wm. Campbell, DR. CLARK, Anatomical Pathology PHYSICIAN For the Exclusive Treatment of CHRONIC DISEASES.

WILL BE IN THE "LOWRY HOUSE," in Butler, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday, June 15th, 16th, 17th, 18th, 19th, and 20th, 1866.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

"HERE IT IS" BOOT, SHOE, LEATHER AND FINDINGS STORE,

ON MAIN STREET, One door North of M'Abey's Store.

GENTS' FRENCH CALF BOOTS, SHOES AND CONGRESS GAITERS. LADIES & GENTS' SLIPPERS, MISSES' BOOTS, SHOES, AND GUMS. BOY BOOTS & SHOES. Children's Shoes of all Kinds.

DIARRHOEA, DYSENTERY, GRAMP IN THE STOMACH OR BOWELS, CHOLERA MORBUS, &c.

It contains nothing irritating or injurious to the stomach, and is mild but prompt in its action, and effects a permanent cure by removing the cause of the complaint. NO FAMILY should be without it, as the cost is trifling compared with the suffering that may be avoided by having it at hand in case of a sudden attack.

Try it, and judge for yourself. SOLD BY ALL DRUGGISTS. Prepared only by J. HENDERSON & BROS. PITTSBURGH, PA. J. C. REDICK & CO. DRUGGISTS, BUTLER, PA.

AN OLD SONG SET TO A NEW TUNE, 1866.

COSTAR'S VERMIN EXTERMINATORS. 18 years established in N. Y. City. For all kinds of vermin, including rats, mice, and insects.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

NEW SKIRTS FOR 1865-6

The Great Invention of the Age in HOOP SKIRTS. J. W. BRADLEY'S New Patent Duplex Elliptic, or double, Spring Skirt.

THIS INVENTION consists of Duplex (two) Elliptic Hoop Skirts, ingeniously contrived together, and made of the finest quality of steel, and consequently preserve their perfect and beautiful shape more than twice as long as any single Spring Skirt ever made.

THE HOOPS are covered with 2 ply double twisted thread and will wear twice as long as the single yarn covering which is used in all single Spring Skirts.

HEAD QUARTERS. NEW ESTABLISHMENT. JOHN P. ORR, PHOTOGRAPHER & A. H. HICKS.

THE NEW YORK OBSERVER A WEEKLY RELIGIOUS & SECULAR Newspaper for Family and Fireside, will soon enter on its FORTY-FOURTH YEAR.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

PROSPECTUS OF THE ATLANTIC MONTHLY FOR 1866.

With the number for July, 1866, the ATLANTIC MONTHLY enters upon its SEVENTH YEAR.

THE ATLANTIC for 1866 will contain the following features of special interest: THE LIFE OF JOHN QUINCY ADAMS, by Miss Weston; THE LIFE OF JOHN QUINCY ADAMS, by Miss Weston; THE LIFE OF JOHN QUINCY ADAMS, by Miss Weston.

HEAD QUARTERS. NEW ESTABLISHMENT. JOHN P. ORR, PHOTOGRAPHER & A. H. HICKS.

THE NEW YORK OBSERVER A WEEKLY RELIGIOUS & SECULAR Newspaper for Family and Fireside, will soon enter on its FORTY-FOURTH YEAR.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

PROSPECTUS OF THE ATLANTIC MONTHLY FOR 1866.

With the number for July, 1866, the ATLANTIC MONTHLY enters upon its SEVENTH YEAR.

THE ATLANTIC for 1866 will contain the following features of special interest: THE LIFE OF JOHN QUINCY ADAMS, by Miss Weston; THE LIFE OF JOHN QUINCY ADAMS, by Miss Weston; THE LIFE OF JOHN QUINCY ADAMS, by Miss Weston.

HEAD QUARTERS. NEW ESTABLISHMENT. JOHN P. ORR, PHOTOGRAPHER & A. H. HICKS.

THE NEW YORK OBSERVER A WEEKLY RELIGIOUS & SECULAR Newspaper for Family and Fireside, will soon enter on its FORTY-FOURTH YEAR.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.

WORLD Midst of BUTLER, SITUATE ON MAIN STREET.

WHEELER & WILSON SEWING MACHINES! The best in use, constantly on hand, also machines for tailors, dressers, etc. Also Agent for Dr. Martin's and Dr. Hall's Improved Machines for Cutting and Sewing.