THE FARMER'S COLUMN

Speed the Plow.

Why Milk Sours During Thunder Storms.

Mr. Malvern W. Hess, says the *Journal of Chemistry*, has sent us the following note, giving an account of experiments made by him with a view to settling this curious question:—

"There have been various surmises in regard to this subject; none, so far as I have been able learn, have been substantiated by experiments.

"In order to learn whether milk did really sour during heavy and thunder-storms, I made several observations which prove to me that this opinion, so commonly held by the dairy-men, was not eroneous. My experiments to arrive at the cause of the phenomena thus observed may be stated as follows:

"I took skimmed morning's milk filled an endiometer tube (300 c. c.), introduced 100 c. c. pure oxygen gas. Then by the use of an ordinary, and a small Ruhmkorff coil, sparks of electricity were made to pass through the oxygen for five minutes. The milk does not appear quite as opaque, and shows a noticable acid reaction. On continuing the current for five minutes in all, the milk curdles very perceptibly and shows a decided acid reaction. The contents of the tube on standing twenty minutes had reached the consistancy of ordinary "bonny-clabber.'

"From the above experiments it will be seen that the oxygen was converted into ozone, which we think may be stated as the cause for the rapid souring of milk during thunder storms.

The increased acidity is due to the formation of lactic acid, and most probably some acetic acid, by means of the ozone. One or both of these acids then cause the casein to be precipitated.

Care of Stock in Winter.

Farmers do not consult their own interest when they neglect to provide warm, comfortable quarters for their live stock in winter, to say nothing of the inhumanity in exposing cattle to the pitiless storms and cold winter winds unprotected. I have seen farmers turn their cattle into the field in the dead of winter where there was a hay stack, and leave them there till the hay was consumed, or rather wasted, as it was thrown around upon the snow, and much of it was trampled under the feet of the cattle and was lost. These farmers could sit by their warm fires and smoke their pipes and tell stories while storms were raging without, the thermometer far below zero, and their poor cattle suffering in the icy blasts! Can it be possible that any such farmers existed in 1877? Is there one so dull in intellect as not to know that it is a reckless waste of fodder to feed cattle in this manner? Besides the inhumanity in treating cattle they require about one-third more feed to keep them in good condition as to flesh than they do when housed in warm quarters; and we may safely estimate the increased expense of wintering stock in fields, or in cold stables, at from $10 to $15 per head when hap is worth $15 per ton. A cow ordinarily requires two tons of hay to winter her in warm quarters, with meal, roots, &c., if in milk; but when kept where she suffers from the cold an extra half ton of hay must be added to her allowance, also extra meal, roots, &c., consequently a farmer with twenty head of cattle, who winters them properly, saves from $200 to $300 annually over the cost of wintering on the careless system which some farmers adopt. In twenty years he saves, say $5,000; and it is by doing things *right* that some farmers get rich, while doing them wrong tends to poverty.

SINPLE METHOD FOR TANNING LAMB SKINS WITH THE WOOL ON.—Make a strong soap suds, using hot water; when it is cold, wash the skin in it, carefully squeezing it between the hands to get the dirt out of the wool; then wash the soap out with clean cold water; next dissolve alum and salt, of each half a pound, in a little hot, which put into a tub of cold water sufficient to cover the skin, and let it soak in it over night, or twelve hours; now hang the skin over a pole to drain; when well dralned, spread or stretch carefully on a board to dry. It need not be tacked if drawn out several times with the hand while drying. When yet a little damp, sprinkle pulverized saltpeter and alum (an ounce each mixed together) on the flesh side, rubbing it in well. It is now to hang in the shade for two or three days, the flesh side in until perfectly dry. When entirely dry, scape the flesh side with a blunt knife to remore any scaps of flesh. Trim off all projecting points, and rub the flesh side with pomace or rotten stone, and with the hands. Prepared in this way, it is white and beautiful, suitable for a doormat, and also nice for the feet in a sleigh or wagon in cold weather.

BE KIND TO CHILDREN.—Never accuse a child of a fault unless you are certain he committed it. Children should not be treated with suspicion. We should act toward them in this matter as we feel we ought to act toward others, only with greater tenderness—not with less, as is usually done.

MD. & DEL. RAILROAD.

WINTER ARRANGEMENT.

On and after Monday, Nov. 26, 1877, Trains will run as follows:

GOING NORTH.

LEAVE.	
Easton,	7.30 A. M.
Woodland,	7.45
Cordova,	7.55
Hillsboro',	8.10
Ridgely,	8.25
Greensborough,	8.45
Goldsboro',	9.00
Henderson,	9.15
Marydel,	9.25
Slaughters,	9.40
Kenton,	9.55
ARRIVE.	
Clayton,	10.10
Wilmington,	12.10 P. M.
Philadelphia,	1.45
Baltimore,	3 35
New York,	5 10

GOING SOUTH.

LEAVE.	
New York,	8.25 P. M.
Baltimore,	6 50 A. M.
Philadelphia,	8 00
Wilmington,	9 30
Clayton,	11 20
Kenton,	11 35
Slaughters,	11 50
Marydel,	12 05 P. M.
Henderson,	12 15
Goldsboro',	12 30
Greensboro',	12 50
Ridgely,	1 05
Hillsboro',	1 20
Cordova,	1 35
Wooodland,	1 45
ARRIVE.	
Easton,	2 00

All freights must be at the various stations at least thirty minutes before of trains, otherwise they will have to lay over twenty-four hours.

J. L. CALDWELL, Superintendent.

Nov1-'f.

STEAMBOATS.

Chester River Steamboat COMPANY.

FALL AND WINTER ARRANGEMENT.

ON and after Monday, Sept. 17th, 1877, the splendid new Iron Steamer

B. S. FORD

Will leave Chestertown for Baltimore every Monday, Wednesday and Friday, at 8½, A. M., Rolph's at 8¾, Booker's 9, Quaker Neck 9:10, Queenstown 10, Kent Island 10½.

Returning, leaves Baltimore every Tuesday, Thursday and Saturday, at 10 A. M., making the above stops.

WHEELER'S

Tra nsportation Line,

FOR THE CHOPTANK RIVER.

ON and after Saturday, September 15th, 1877, the Steamer

RALEIGH

Will leave pier 14 Light Street Wharf every Friday, at 8 o'clock, P. M., for Hillsboro', stopping at landings on Choptank River.

Return—leave Hillsboro' Tuesdays at 8 A. M.; Potter's Landing at 12 o'clock; arrives at Potter's Landing on return trip Saturdays at 10 o'clock, A. M.

Freights received every Friday until 7 o'colck, P. M., at Pier 14 Light Street Wharf.

All freights must be prepaid.

For further information apply to

EMORY & NEAVITT, 83 South Street, Baltimore, Md.

nov10-tf

EASTON CARRIAGE DEPOT,

AT

Machinery Hall,

Opposite Justice P. W. Stewart's Office.

THE public are informed that I have opened a large stock of CARRIAGES suitable for this section, of the strongest and most approved patterns and patents, and am offering them at prices that defy competition. Any style of carriage not kept in stock can be furnished in a short time. Those in want of carriages are invited to call and examine my stock. I guarantee to sell as cheap as any house in the State.

july7-6m A. H. LARRIMORE.

THE BRICK HOTEL

DENTON, MARYLAND.

THE subscriber adopts this method of informing the public that he has leased the Brick Hotel, in Denton, and furnished the same in a good and substantial manner for the accommodation of guests. His table will at all times be supplied with the best the market can afford. His servants are attentive and obliging.

THE STABLES

are supplied with an abundance of feed for horses, and with careful and reliable hostlers. He also keeps horses and carriages for hire; and will send persons to any place in the county or elsewher they may desire to go.

He hopes by a close application to his business to merit and receive a liberal share of patronage.

dec23-y. JAMES MELVIN.

THE CHESTER HOUSE

QUEENSTOWN, MD.

The undersigned, having taken charge of the Chester House, at Queenstown, is now prepared to accommodate the traveling public in every respect. Special attention paid to weekly boarders from the city. The situation of Queenstown, on one of the tributaries of Chester River, with the Steamer Geo. Law making daily excursions, makes Queenstown one of the best summer resorts on the shore. Bathing and fishing the special pastimes.

THE BAR

is replete with the choicest liquors and of the best and purest brands, and my experience in this branch of the business justifies me in announcing that the Bar is not surpassed by any on the Shore.

THE STABLE

is in charge of an experienced hostler, and persons leaving horses in our charge may feel assured that they will receive the best attention.

febx-y. CHARLES HILLYARD

BLACKSMITHING.

THE undersigned begs leave to inform his friends and the public generally that he is still doing all kinds of Blacksmithing, at his shops in Hillsborough, with neatness and dispatch. All kinds of machinery repaired in the best style. New locks put on old guns, and guns repaired generally. All work done at usual prices and guaranteed to give atiisfaction.

PLAIN HORSE SHOEING	$1.25
STEEL TOE "	1.50

On all work except Horse-shoeing from 5 to 15 per cent. will be allowed for the cash.

SAMUEL SNEED.

Jan 2 1876-1y. Hillsborough, Md.

BLACKSMITHING.

I desire to inform the public that I have rented the Blacksmith shop in the town of Denton on the corner opposite the Hotel stables, and am prepared to

ACCOMMODATE THE PUBLIC

in my line of business. After a long experience, I flatter myself that I will give satisfaction to all who may give me a trial.

Particular Attention Given to Horse Shoeing

By strict attention to business I hope to receive a liberal share of the public's patronage.

may29-tf. WM. O. MACHER.

SEND 25c. to G. P. ROWELL & CO., New York, for Pamphlet of 100 pages, containing lists of 3000 newspapers, and estimates showing cost of advertising. [dec9.

FENCING PALES, SHINGLES,

Lumber.

Sash, Bricks, Feloes.

FULL STOCK! LOW PRICES!

BURNS & SLOAN,

132 Light Street Wharf. Baltimore.

Old Winter

IS COMING.

TUTHILL & AVERY

ARE STILL HERE

AND

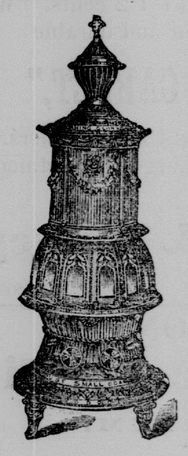
STILL AHEAD!

WITH

THE LARGE LINE

OF

STOVES.



feet of Stoves

IN LINE.

ARGAND,

LE GRANDE,

TALBOT CO. COOK,

BEST,

CUNARD.

CAN'T TELL YOU ALL

COME AND SEE.

IN GENERAL HARDWARE,

the Largest Stock,

Lowest Prices.

TUTHILL & AVERY,

nov17-nov25-1876. EASTON, MD.

Fall and Winter Goods!

S. KANN.

154 and 156 Broadway Street.

BALTIMORE, MD.,

Dealer in Foreign & Domestic

DRY GOODS,

HAS now in store a complete stock of

BLACK SILKS, DRESS GOODS, SHAWLS, BLANKETS, FLANNELS, CASSIMERES,

And DOMESTIC GOODS of every description.

Prices warranted lower

Than anywhere in the city.

This is the Largest Dry Goods Store in Baltimore.

Oct. 6 1y.

JOHN BAGGS,

—WITH—

Marshall & Fallin,

GROCERS AND GENERAL

Commission Merchants,

No. 4 Bowell's Wharf, Baltimore Md.,

NEAR PRATT ST.

This is an old and reliable house, with large experience in the grain and general produce trade.—Reliability and punctuality beyond question. Justice to all is their motto. Now, my good friends, send us your grain and produce—anything that is marketable—and come personaly and see us. By so doing you will very materially assist your old friend, JOHN BAGGS,

9 1-6

THOS. C. NICOLS

DEALER IN

Hardware, Cutlery,

SEEDS,

HARNESS TINWARE

PLOWS,

Cultivators and Castings,

AND EVERY DESCRIPTION OF

AGRICULTURAL IMPLEMENTS.

STEAM ENGINES,

THRESHING MACHINES,

Saw Mills, Grist Mills,

ART, WAGON AND

CARRIAGE MATERIAS,

CARTS & WAGONS;

CART, WAGON AND

CARRIAGE

HARNESS,

HOUSEKEEPING

AND BUILDING

HARDWARE.

LIME,

HAIR,

CEMENT,

PLASTER,

FERTILIZERS,

&C. &C. &C. &C. &C.

Washington & Dover Streets,

dec2-apr7-y. EASTON, MD.

HALE'S

HONEY OF HOREHOUND & TAR

FOR THE CURE OF

Coughs, Colds, Influenza, Hoarseness, Difficult Breathing, and all Affections of the Throat, Bronchial Tubes, and Lungs, leading to Consumption.

This infallible remedy is composed of the HONEY of the plant Horehound, in chemical union with TAR-BALM, extracted from the LIFE PRINCIPLE of the forest tree ABIES BALSAMEA, or Balm of Gilead.

The Honey of Horehound SOOTHES AND SCATTERS all irritations and inflammations, and the Tar-Balm CLEANSES AND HEALS the throat and air-passages leading to the lungs. FIVE additional ingredients keep the organs cool, moist, and in healthful action. Let no prejudice keep you from trying this great medicine of a famous Doctor, who has saved thousands of lives by it in his large private practice.

N.B.—The Tar Balm has no BAD TASTE or smell.

PRICES 50 CENTS AND $1 PER BOTTLE.

Great saving to buy large size.

"Pike's Toothache Drops" Cure in 1 Minute.

Sold by all Druggists.

C. N. CRITTENTON, Prop., N.Y.

Our Business Record.

OUR FRIENDS PROPHESIED OUR SUCCESS,

But it is even greater than we ever dared hope.

WHY IS THIS? ANSWER:

Our goods are as low as any can afford to offer. The people are becoming aware of this and as a consequence our business is daily increasing.

OUR STOCK:

DRESS GOODS,

CASIMERES,

QUILTS,

BLANKETS,

SHAWLS,

HOUSE FURNISHING GOODS,

DOMESTIC DRY GOODS, GROCERIES, QUEENSWARE, &C.

OUR BLACK ALPACAS & CAHSMERES

Are the best we have ever seen for the money, and we do not believe they can be excelled anywhere. Come and see them; compare them with any, and if ours do not stand the test do not buy them. We know we have special bargains in these goods, and you cannot fail to find it so if you will only see them.

HAMBURGS AND INSERTIONS.

A new and beautiful stock just received. Call and see them. The ladies say that they are beautiful and cheap.

IF YOU CANNOT COME SEND FOR SAMPLES.

You can also find a line of samples of goods at Mrs. N. A. Hutson's, who is our agent in Denton, and who will be pleased to take your order.

Jarrell, Nichols & Cox,

sep22-dec2-y. EASTON, MD.

NEW STORE.

NEW GOODS AND CHEAP GOODS

FOR CASH.

Having just returned from Philadelphia with an entirely New Stock of

FALL AND WINTER GOODS,

which I offer for cash; inducements are presensed to cash buyers, such as have never before been offered in this market. My Stock embraces every variety of goods usually kept in the country, and as to quality and low prices the purchaser has only to call and be convinced.

DRY GOODS,

GROCERIES.

BOOTS, SHOES,

HATS, CAPS,

NOTIONS,

&C., &C., &C.

and in fact everything a housekeeper needs, or that will meet the wants of the public. I invite all to an examination of my stock, believing they can be supplied and at lower prices heretofore.

Remember I sell for Cash and Sell Cheap.

All kinds of country produce taken in exchange for goods.

THOS. E. HEATHER.

Oct 13-3mos. DENTON, MD.

LUMBER! LUMBER!!

Building Materials of all Kinds.

Weatherboarding, Framing,
Shingles, Flooring,
Laths, Bricks,
Lime & Hair, Doors,
Sash, Shutters,
Mouldings &c.

White Virginia and Carolina Pine.

Fencing, Fence Posts, and Cant Rails.

Lumber Dressed and Undressed.

FARMERS AND BUILDERS, LOOK TO YOUR INTERESTS.

EVERYTHING AT BOTTOM PRICES.

LUMBER YARD AND OFFICE ON WASHINGTON STREET, NEAR THARPS PEACH HOUSE.

The subscriber informs the public that he has a full line of all kinds of building material and fencing mentioned above, which he is offering at city prices. He particularly invites a call from all wanting lumber, satisfied that he can please all as to PRICE and QUALITY. Before ordering from the city write and get my prices.

GOODS DELIVERED BY CARS OR BOAT TO ANY LANDING.

Easton, Oct, 28th, 1876 1y. **John A. Arringdale, Easton.**

DENTISTRY.

DR. T. J. SMITHERS,

EASTON, MD.

Office over Elliott & Rathell's Shoe Stote. Entrance on Dover Street. (jun2 1y

REV. W. C. AMES,

DENTAL SURGEON,

BURRSVILLE, MD.

WILL devote his spare time to the practice of his profession.

Satisfaction guaranteed. [june23-tf.

WM. H. MOWBRAF,

BRICKLAYER & PLASTERER

FOWLING CREEK, MD.

Is carrying on bricklaying and plastering and is prepared to do all kinds of work in his line in the best manner and as cheap as the cheapest.

feb24-y.

ESMA LOWE,

AUCTIONEER,

DENTON, MD.

HAVING taken out license as auctioneer, is prepared to call sales at auction in Caroline county. His long experience will enable him to render satisaction in each inslance. jfeb21-tf.

HENRY IRWIN,

AUCTIONEER,

DENTON, MD.

Offers his services to the public to call sales in Caroline and adjoining counties. He flatters himself, if employed, that he can give entire satisfac ion. [dec21-y

FASHIONABLE DRESS MAKING,

IN ALL IST BRANCHES BY

Mrs. Lizzie Morris,

FOUNTAIN HEAD HOTEL,

HILLSBORO' MD.

ALSO,

CUTTING and FITTING done.

A Neat Fit Guaranteed.

EDMOND P. SANGSTON,

WATCHMAKER AND JEWELER,

MAIN STREET,

GREENSBOROUGH, MD.

THIS certifies that E. P. Sangston has finished his trade with us, and we can recommend him as being thoroughly competent in every respect.

C. W. BLAKE,

Baltimore, Nov. 23, 1877.

All work left at Mr. H. E. Jarrell's will receive prompt attention.

All work guaranteed. [12 3-tf

MANSION HOUSE.

I. ALBERTSON, PROP'R,

Rooms First-class,

WITH GOOD SUBSTANTIAL BOARD AT $1.50 PER DAY.

N. W. Cor. St. Paul and Fayette Sts.

BALTIMORE, MD.

may12-y.

THE

BRICK HOTEL,

EASTON, MD.,

CHAS. W. BENNETT,

PROPRIETOR.

feb10-y.

BOARDING HOUSE

At Queenstown

WHERE transient Boarders and the traveling public can be accommodated at the

SHORTEST NOTICE

AND ON THE

MOST REASONABLE TERMS.

Persons going to Baltimore can leave horses and carriages here until their return and the

BEST ATTENTION

given and charges moderate JOSEPH SHINN.

aug-tf. Queenstown, Md

Chas. H. Blackiston,

WATCH MAKER

AND JEWELER,

DENTON, MARYLAND.

HE may be found at all times at his office adjoining the store of H. Blackiston & Son.—Having had several months instruction under Mr. Chas W. Blake, of Baltimore I feel competent to give general satisfaction.

All work guaranteed for 12 months.

Nov. 25-tf C. H. BLACKISTON.

BLACKSMITHING,

AT LOW PRICES.

John T. Comegys.

I AM STILL engaged in the Blacksmith business at the old stand, but have discontinued Wheelwrighting altogether, and continue the Blacksmith business only.

I still continue at my old prices for Horse Shoeing.

Plain Shoeing	**$1.00**
With Steel Toes	**1.25**

I have also the sole right of E. T. Burton's Subsoil Pulverizing plow, for the 3rd, 4th and 5th Districts. This attachment can be attached to any plow at a cost of only $5. Satisfaction Guaranteed.

JNO. T. COMEGYS.

jan13-y. Denton, Md.

RICHARD HANDY,

FASHIONABLE BARBER,

Denton, Maryland.

He, or his assistant, George Jones, can always be found at his shop on Main Street where he will be pleased to see and serve his friends and the public generally. His shop is fitted up in the latest style and itis universally acknowledged that he gives a good, easy shave. Don't fail to give him a call.

Dollar-and-a-Half for 10 Cents.

Stoddart's Musical Library, just published, 12 pages, full size, best and most popular music for 10 cents. *New and Popular Songs, Dance and Instrumental music, Operas, Hymns, etc., etc.* For sale by all newsdealers. Postage 2 cents, to be sent in addition to above, if ordered from the publishers

J. M. STODDART & CO.,

Dec 22 3- 723 Cuestnut St., Philadelphia

JOHN COVEY,

AUCTIONEER,

AMERICAN CORNER, MD.,

Respectfully announces his readiness to call sales in any part of Caroline, Talbot, Dorchester and adjoining counties. He charges less than any other auctioneer; and after seventeen years' experience in this line, in Maryland and Delaware, flatters himself he can guarantee satisfaction in every case where he is employed, [may5-y,

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