The Farmer's Column.

☞This column is edited by one of our Caroline farmers of considerable experience.

Deep Plowing.

At a meeting of the American Institute (N. Y.) Farmers' Club, held December 1st, 1868, Mr. Greeley read the following carefully prepared and forcible article on deep plowing:

Many controversies result from imperfect definitions. The same words, the same phrases, convey different ideas to the rival disputants. Let me begin, then by making myself clearly understood. To save time, I will define my negation or exclusion—as follows:

All soils do not require plowing to the same depth; because

I. A large portion of the earth's surface should never be plowed at all. No wet lands should be plowed until thoroughly, permanently drained; plowing them while still wet, or certain to become so after rains, is throwing labor away. A very large area, consisting of swamps, marshes, bogs, fens, sea, lake, river and brook margins or intervales frequently submerged or sodden, should never be plowed until after drained or embanked.

II. Then a great proportion of the rocky hillsides or crests, which consist mainly of rocks thinly covered by and often protruding through the soil, should never be plowed, but should be kept always in forest, from which timber is taken from time to time, but never to such extent as to reveal its ruggedness.—Westchester county alone has thousands of acres, now denuded and devoted to grazing, which should never have been cleared. Cut off the timber, if you are not content with cutting out, but keep such rough land always in wood. Its cultivation can never pay; its grass is burnt up by a sultry week; while stripping it of timber tends to render our springs and streams scanty and capricious.—There is nothing worse in our rural economy than this uncovering of rocky steeps that ought to remain timbered evermore.

III. There are, moreover, lands too sterile to be cultivated with profit, at least while so much good land lies idle and useless. These lands are often level enough, and not too stony; but it will cost more to bring them to a proper state of fertility than they will then be worth. Some of these might be, and probably ought forthwith to be, sowed with tree seeds, and so covered with timber; probably the plow might be advantageously used in the process; but it would be unwise to subject them to other culture for ages yet, if ever.

IV. Then there are lands which have a good though shallow surface-soil but covering a poisonous sub-soil, which must not be disturbed. Prof. Mapes found such a tract in West Jersey, where a stratum of sulphate of iron (copperas) lay but eight inches below the surface. To plow into this, and mix it with the surface-soil, arrested vegetation altogether.

V. And again: There are soils, mainly alluvial, at once so mellow and so fertile that the roots of the cereals, and of most plants, will permeate and draw sustenance from them though they are never disturbed by the plow. I presume the annually flooded intervale of the Nile is of this class. I judge that the valley south of Marysville, California, annually covered many feet deep by the turbid floods of the Yuba, Feather and American rivers, is much the same. There are portions of the intervale of the Illinois where the muck is sixteen feet deep, very loose and rich. I was told in California that the grape, though it had to be watered sparingly during its first two summers, needed no irrigation thereafter in the valleys of that State, though they are dried up in summer to a depth of several feet. The roots strike down through the rich loam below till they find moisture that they can appropriate and thrive upon. I judge that the valley of the Sacramento and its main tributaries is often parched to a depth of four or five feet.

I have thus fully conceded that deep plowing is not everywhere requisite. Now let me show where and why it is needed:

I. It has been abundantly demonstrated here that the roots of plants are often found at a distance of several feet from the stem.—Any of us may have seen that this is as true of Indian corn as Canada thistles; with a microscope and due patience, the roots of wheat may be traced from four to six feet. Of course these roots seek nourishment and find it.—Nature, in the broad view, makes no abortive, at least no wanton, effort. Roots wander in search of food not otherwise to be found.

II. Our subsoils are generally compact and repellent. Wherever a ditcher would naturally use a pick, there few roots can make their way, except very slowly and by wasting effort. Few or no cereals or edible roots can feed and flourish on the penetration of such subsoils. And, while our sands and looser gravels are more easily traversed, they seldom contain the plant-food whereof the roots are in search. They either remain unpenetrated, or the effort is unrewarded by any gain of nutrition to the plant.

III. Our summers and autumns are often persistently hot and dry. The continuously torrid suns, which this year destroyed half the later crops of Europe, are here encountered as often as every third year. Drouth is one of the foremost causes of the failure of our crops. Our ancestors mainly migrated hither from the British Isles, from Holland, and the coasts of Northern and Western Europe, where humidity is the rule, protracted drouth the exception. Sixteen inches of soil in our climate is hardly equal, as an antidote to drouth, to six inches in Ireland or Holland. And yet the best farmers of those countries agree in commending deeper plowing.

IV. What we advocate is not the burying of the vegetable mould or natural surface-soil under several inches of cold, lifeless clay, sand or gravel. If the subsoil is not to be enriched, it may better remain the subsoil; but that does not prove that it ought not to be lifted, stirred, aerated, pulverized. The right thing to do is to enrich as well as mellow and aerate the entire soil to a depth of fully eighteen inches; though twelve may answer as a beginning. Use a Michigan or subsoil plow, if you will, and keep the various strata where nature placed them, but give your plants, like your cattle, a chance to reach food and drink at all times. Let down the bars that would keep them from the life-giving springs.

V. Plants look to the soil for 1. anchorage; 2. moisture; 3. most of their food. If they cannot find these more certainly and more abundantly in twelve to eighteen inches of soil than in six, then reason is a fool, mathematics a conjectural science, and a farmer should prefer a balance in bank to his credit of $600 to one of $1,800.

VI. We are told that roots prefer to run near the surface, loving the warmth of the sun. Let them run there, then; we do not hinder them. Make the soil rich as well as deep, and let them run near the surface for warmth, or descend for moisture, or both, as they shall see fit. We proffer them freedom of choice. If a wet season attracts them to the surface, a dry one must constrain them to dive for moisure. It is our duty so to provide that they may flourish however wayward the season.

VII. I have a steep hillside, which I choose to cultivate, the soil being warm and kind. Plow this six inches deep, and the first hard shower sweeps its soil by cartloads into the brook below, where it is useless. Plow it twice as deep, and not a peck of soil will be flooded off in a life-time.

VIII. In a wet season deep plowing does, at the worst, no harm. In a dry season it doubles the crop.

IX. Unless a small army is more effective than a large one, an empty pocket-book better than a full one, a lean crop preferable to a large one, then a deep soil must be more productive than a shallow one.

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GREAT PANIC SALE OF CLOTHING.

5,000 PAIRS OF PANTS from 2 to $6
5,000 PAIRS OF PANTS from 2 to $6
5,000 PAIRS OF PANTS from 2 to $6

5,000 VESTS from 1.50 to $3
5,000 VESTS from 1.50 to $3

1,000 BUSINESS SUITS 12 to $20
1,000 BUSINESS SUITS 12 to $20
1,000 BUSINESS SUITS 12 to $20
1,000 BUSINESS SUITS 12 to $20

500 DRESS SUITS 15 to $25
500 DRESS SUITS 15 to $25
500 DRESS SUITS 15 to $25

OUR IMMENSE STOCK AT PANIC PRICES.

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OUR IMMENSE STOCK OF CLOTHING
OUR IMMENSE STOCK OF CLOTHING
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AT MARBLE HALL,
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1,000 BEST WHITE SHIRTS from 2 to $2.50
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BEAR IN MIND, THESE GOODS MUST BE SOLD
WITHOUT REGARD TO COST,
AT MARBLE HALL.

SMITH, BRO., & CO.,
38 AND 40 WEST BALTIMORE STREET.
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LUMBER.

A FULL ASSORTMENT
—OF—
HARD WOOD
AND
Building Lumber,
Consisting of
PINE,
SPRUCE,
HEMLOCK,
WALNUT,
ASH,
CHERRY,
POPLAR and
HICKORY.

Laths, Pickets, Shingles, &c.

Farmers, Builders, Coach-Makers and Cabinet-Makers will save by buying from us direct. Send for circular, and ask for prices of kind of lumber wanted.

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Cor. Front and West Streets,
Wilmington, Del.

P. S.—Also, manufacturers of superior Broom Handles. [mr 19-y

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THE undersigned, having permanently located in Denton, is ready at all times to do plain and ornamental

PLASTERING,

either in-doors or out. I am also prepared to do whitewashing in the neatest manner.

Those wishing my services will find me at my residence, when not otherwise engaged and find me ready at all times to do their work in the most approved manner, and at satisfactory prices. References given if desired.

ap26-tf H. A. H. MASON.

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OF

READY-MADE CLOTHING.

OWING TO CHANGES that have taken place in our firm, by reason of the death of one of its members, it has become absolutely necessary to sell out our entire Stock of

FALL AND WINTER CLOTHING.

Rather than send any portion of it to Auction, we will offer it to the people at

PRICES BELOW THE COST OF MANUFACTURING,

and thus clear out our entire Establishment. Securing a

QUICK SALE

BY LETTING THE GOODS GO at such rates as will satisfy any reasonable purchaser.

Our immense house is fairly loaded with

GARMENTS OF EVERY DESCRIPTION,

Suitable to all Classes—
Made up with the utmost care—
Of the very Finest Materials—
COMPRISING, IN THE

General Ready-Made Department,

3000 Overcoats, made in most fashionable styles, of all kinds of Beavers, Chinchillas, Incots, &c.
3000 Suits, Coats Pants and Vests of the same material, Business, Dress, Traveling, "Indesdensible" Suits, &c.
5000 Coats, Chesterfields and Sacs, Morning and Lounging Coats, Frock and Dress Coats, &c.
5000 Prs. Pantaloons, of all materials, and cut on every approved style, Narrow and Nobby, plain and comfortable.
6000 Vests, Velvet Vests, Fancy Cassimere Vests, Cloth Vests, double or single-breasted, high or low cut

In the

CUSTOM DEPARTMENT.

Here we have a large assortment of Piece Goods that must be disposed of. To do which we propose for a Few Days to make to order from measure, in our very best style—making a

Deduction of 15 per cent. for all Cash Orders.

Thus we offer Clothing as good in points of STYLE, MATERIAL, FIT and FINISH, as can be had in any **Merchant Tailoring Establishment,** and at about half the ordinary prices.

In the

Youths' and Children's Department.

This department has been a specialty with us this year. We have manufactured the largest and best assortment of BOYS' CLOTHING to be found in the city, all of which is now for sale at GREATLY REDUCED PRICES.

A RARE OPPORTUNITY TO FIT OUT the CHILDREN.

BLACK GOODS ROOMS.

MOURNING WEAR,—Clerical Garments, Full Dress Suits,
Black Cloth Overcoats, Black Cloth and Doeskin Pants,
Black Cloth and Cassimere Coats, Black Vests.

In the

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any customer purchasing an article of clothing, will be allowed a deduction of TWENTY PER CENT. on any additional purchase made in this department.

HANDKERCHIEFS, OVERCOATS, HOISERY, SHIRTS, COLLARS, &c., &c., &c., &c.

SALE COMMENCES

TUESDAY, DECEMBER FIRST,

Store will be opened early and close late. About SEVENTY-FIVE SALESMEN will be in attendance. Prompt and polite attention will be given to all. No customer will be unsupplied, if any resonable *Accommodation of prices* will induce him to buy.

REMEMBER THESE POINTS.

1st. It is the largest and best Stock in this city. 2nd. It must all be sold NOW. 3rd. At prices even below our lowest current rates. 4th. That whatever your size or shape you can be fitted. 5th. The goods are so elegant and the prices so low, that it will pay you to lay in a stock of clothing for the next few years. 6th. That you may never have another such chance.

OUR NECESSITY IS YOUR OPPORTUNITY.

WANAMAKER & BROWN,
Oak Hall Buildings,
S. E. Corner Sixth and Market Streets,
PHILADELPHIA.
dec3-tf



Calisaya or King's Bark was unknown until the middle of the 17th century. Humboldt makes favorable mention of its febrifuge qualities as an antidote to Fever and Ague, Intermittent and Malarious Fevers, in his extensive South American travels.

In 1640 it was used by the Jesuits, who alone at that time possessed the secret of its wonderful tonic properties, and it was sold by them for its own weight in silver.

In 1658, eighteen years after, Sir John Talbot employed it with great success in France in the treatment of Fever and Ague, Dyspepsia, Nervous Affections, Loss of Appetite, Weakness and Debility, Palpitation of the Heart, Diarrhœa, etc. In 1679 he sold the secret of its origin to Louis XIV, by whom it was divulged. It is now the all important ingredient in Drake's PLANTATION BITTERS, and preserved as it is in pure St. Croix Rum, makes a tonic of rare merit, and one that should be upon the side-board of every family. Messrs. P. H. Drake & Co., the sole proprietors of the celebrated PLANTATION BITTERS, are the largest importers of Calisaya Bark in America. The Bark is gathered and cured under the immediate supervision of an agent sent out to Brazil, expressly for that purpose, and aside from a few thousand pounds which are sold to the manufacturers of Quinine, is all used in the preparing of these Bitters, to which they are indebted for their wonderful success as a tonic.

The above cut represents the natives in their own native forest gathering the Bark.

DELAWARE Rail Road Line.



PASSENGERS TIME TABLE.

ON and after MONDAY, October 5th, 1868, Passenger Trains Northward will run as follows, until further notice. All trains Sundays excepted.

LEAVE.		
Crisfield,		7.00 A. M
Marion,		8.40
Kingston,		8.05
Westover,		8.30
Princess Anne,		9.10
Eden,		9.40
Forktown,		10.00
Salisbury,		10.30
Delmar,		10.45
Laurel,		11.05
Seaford,		11.30
Bridgeville,		11.50
Greenwood,		12.00
Farmington		12.15 P M.
Harrington,	7.00 A M.	12.35
Felton,	7.15	12.50
Plymouth,	7.20	1.00
Canterbury,	7.20	1.00
Willow Grove,	7.25	1.05
Camden,	7.35	1.15
Dover,	7.50	1.30
Mooreton,	8.05	1.45
Brenford,	8.10	1.55
Smyrna,	8.05	1.50
Clayton,	8.20	2.05
Sassafras R'd,	8.25	2.10
Blackbird,	8.35	2.20
Townsend,	8.40	2.30
Middletown,	9.00	2.45
Mt. Pleasant,	9.10	2.55
St. Georges,	9.25	3.10
Bear,	9.36	3.25
New Castle,	9.55	3.45
ARRIVE.		
Wilmington,	10.15	4.05
Philadelphia,	11.45	5.40
Baltimore,	1.15 P M.	8.10

TRAINS MOVING SOUTH.

LEAVE.		
Philadelphia,	8.30 A M.	5.00 P M.
Baltimore,	7.25	2.15
Wilmington,	10.10	6.25
New Castle,	10.30	6.45
Bear,	10.50	7.00
St. Georges',	11.00	7.15
Mt. Pleasant,	11.15	7.30
Middletown	11.35	7.50
Townsend,	11.45	8.00
Blackbird,	11.50	8.05
Sassafras,	12.00 P M,	8.15
Clayton,	12.05	8.20
ARRIVE.		
Smyrna,	12.15	8.30
LEAVE,		
Brenford,	12.10	8.25
Mooreton,	12.20	8.35
Dover,	12.40	9.55
Camden,	12.50	9.05
Willow Grove,	1.05	9.15
Canterbury,	1.10	9.20
Plymouth,	1.10	9.20
Felton,	1.20	9.30
Harrington,	1.40	9.45
Farmington,	1.55	
Greenwood,	2.05	
Bridgeville,	2.15	
Seaford,	2.35	
Laurel,	2.55	
Delmar,	3.10	
Salisbury	3.45	
Forktown,	4.10	
Eden,	4.30	
Princess Anne,	5.15	
Westover,	5.40	
Kingston,	6.00	
Marion,	5.20	
ARRIVE.		
Crisfield,	6.45	

Also Freight train, with Passenger Car attached, will leave Wilmington about 4 o'clock A. M., New Castle, 4.50, Middletown, 6.40, Clayton, 7.30, Dover, 8.50, Camden, 9.10, Felton, 10.05, and to be due at Harrington about 10.30 A. M. Returning, to leave Harrington about 3.20 P. M., Felton, 4, Camden, 5.05, Dover, 5.30, Moorton, 5.55, Clayton, 6.25, Middletown, 7.40, New Castle, 9.20, and to be due at Wilmington about 9.50, P. M. Subject to delays incident to freight business. This train will stop to take up passengers only at stations named, but will set down passengers at any stopping place except Hare's Corner, State R'd, Del. Junction and Dupont.

Steamboat trains heretofore rnn are withdrawn. A boat, however, will leave Crisfield for Norfolk, in connection with local train, on Tuesday, Thursday and Saturday evenings.

E. Q. SEWALL,
Sup't Del. R.R.

Clothing Emporium.

JOHN W. RICHARDSON,

No. 12 *NORTH GAY STREET,*
BALTIMORE,

KEEPS constantly on hand a general assortment of
FRENCH,
BELGIAN
& GERMAN
CLOTHS;

Also, BLACK and FANCY CASSIMERES, superfine and medium quality; Silk, Cashmere and Marseills Vestings. All of which we will manufacture in superior style, at moderate prices. Call and see.

MAJOR ROBERT HALL,
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STEAM FIRE-PROOF SAFES.

Sanborn's Patent has been demonstrated, by the most thorough practical tests, to be vastly superior in fire-proof qualities to any other makers, (being water in copper tubes hermetically sealed), preventing competely any evaporation and is the driest safe in use. The patent can be applied to any safe. Before purchasing elsewhere call and examine, or send for pamphlet containing the certificates of trials with all other makers' safes.

AMERICAN STEAM FIRE-PROOF SAFE CO.,
300 Broadway, New-York.
nov5-3m

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Leached Ashes! Leached Ashes! Leached Ashes!

Free from Soda Ash, contained in Ashes Sold by Soap Manufacturers.

OF superior quality, for sale by JESSE TYSON & CO., at 12 cents per bushel, at their Yard, No. 10 Block-st., or Office, N. W. cor. Charles and Lexington-sts., Baltimore.
nov12-3m

NOTICE.

FROM and after this date, Capt. E. C. Brown has become part owner of the Schooner CAROLINE VIRGINIA, and all orders for goods must be accompanied with the money, and no orders will be filled unless the cash is paid into the hands of the Captain before the sailing of the Schooner. Freights can be paid to either Capt. Brown or Capt. Somers.

Capt. Somers will act as agent for the Schooner in procuring freights, &c. E. C. BROWN,
mr12-y D. E. SOMERS.

To Farmers, [illegible]
—AND—
COUNTRY MER[illegible]
ALL WHO HAVE FO[illegible]

Flour, Grain, Clover and Flax[illegible]
Hay, Lumber, Staves, Tan [illegible]
Calves, Poultry, Eggs, Bacon[illegible]
Butter, Cheese, Wool, Rags,[illegible]
Skins, Dried Fruits, &c., &c.

Can have them well sold at the highest [illegible] Baltimore, with full returns always [illegible] Days of their reaching the city, by [illegible] to the Commission House for Country [illegible] of

F. E. MA[illegible]
53 W. Pratt St., Balto., [illegible]

☞The highest charge made is Fi[illegible] cent. Goods of every description (e[illegible] Liquors) purchased and forwarded wi[illegible] patch, when either cash or trade accom[illegible] the order.

RENNE'S
Pain Killing Magic Oil
READER! BUY A BOTTLE.
"IT WORKS LIKE A CHARM."

Have you headache? Use Renne's Magic Oil.
Have you toothache? Use Renne's Magic Oil.
Have you neuralgia? Use Renne's Magic Oil.
Have you rheumatism? Use Renne's Magic Oil.
Have you a cold? Use Renne's Magic Oil.
Have you sore throat? Use Renne's Magic Oil.
Have you chilblains? Use Renne's Magic Oil.
Have you dyspepsia? Use Renne's Magic Oil.
Have you a bruise? Use Renne's Magic Oil.
Have you cholera morbus? Use Renne's Magic Oil.
Have you Lameness? Use Renne's Magic Oil.

This is the Best Family Remedy, to cure all kinds of Pain, you ever tried.

It is clean, safe and [illegible] to use, and you use it faitfully,

It will Do you Good!

[illegible] Agent,
F. E. MARINE, Balto., Md.
53 Pra[illegible]

For sale by Chas. Steve[illegible] J. Alburger, Denton; Dr. Lobstein, [illegible]orough; B. G. Stevens, Potter's Landing; [illegible] Hubbard, Huntingtiug Creek; C. C. Whee[illegible] Pt. [illegible]

MD. & DEL[illegible]ROAD.



Change of [illegible]

On and after Tuesday, [illegible]
Trains will run as follows:

GOING NORTH.

Leave	Hillsborough,		
	Ridgely		
	Greensborough,		
	Goldsborough,		
	Henderson,		
	Halltown,		
	Slaughter's		
	Kenton,		
Arrive	Clayton,		
Leave	Clayton,		
Arrive	Wilmington,		
	Philadelphia,		5[illegible]
	Baltimore,		8.00
	New York,		10.2[illegible]

GOING SOU[illegible]

Leave	New York,	12,0[illegible] P. M.
	Baltimore,	7,5[illegible] A. M.
	Philadelphia,	8,3[illegible]
	Wilmington,	10,10
Arrive	Clayton,	12,05 [illegible]
Leave	Clayton,	1,00
	Kenton,	1,12
	Slaughter's,	1,25
	Halltown,	1,4[illegible]
	Henderson,	1,5[illegible]
	Goldsborough,	2,[illegible]
	Greensborough,	2[illegible]
	Ridgely	2[illegible]
Arrive	Hillsborough,	2[illegible]

Passengers from Baltimore via [illegible] tickets for Clayton, and change cars at Castle Junction. Passengers from Philadelphia change cars at Wilmington.

Until further notice, the [illegible] tendent will be at Greensb[illegible]

G. W. GO[illegible]
dec3-tf.

RODMAN, CARTE[illegible]
38 *SOUTH* [illegible]

Dodge & Carter, [illegible]
No. 62 *PRATT* [illegible]
[illegible] K.

Gould, Dukes & Co.
102 *Light St. Wharf,*
BALTIMORE.

THE above firms have made arrangements for conducting the PRODUCE AND GENERAL COMMISSION BUSINESS in the three cities and most respectfully solicit consignments of all kinds from Merchants, Traders & Farmers.

Groceries & Phosphate,

and in fact anything you may want can be supplied at trade prices. Reshipping of goods promptly attended to. Customers will be supplied with regular and reliable quotations. Our friends can ship their goods to either of the above firms and have prompt returns.

June 14th-1y

H. BLACKISTON

Has just received a new stock of
Boots and Shoes
FOR THE WINTER.
Also, a fine stock of
Ready-Made Clothing,
which he will be pleased to show to all who may favor him with a call. de10-3t

New Barber Shop

Haircutting, Shampooing, Shaving, &[illegible]

THE undersigned has just opened a barber shop, on the first floor of E. Pritchett's cabinet shop, where he is always prepared to wait upon gentlemen. Hair-Cutting, Shaving, Shampooing, &c., done in first rate style. My purpose is not only to please my customers but also to give satisfaction. Ladies waited on at their places of residence.

jy2-1y JNO. P. WATSON.

DR. P. STACK,
DENTIST,
DENTON, MD.



Teeth filled, extracted and inserted, from one to an entire set. All plate work warranted to fit, but must be returned within two weeks to entitle the party to the benefit of the guarantee.

December 19th-y

THE FARMER'S NEWSPAPER,
The Delaware Tribune.
THE LARGEST, CHEAPEST and BEST.
Every Farmer Should Have It,

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