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TRAVELER'S GUIDE.

BELLEFONTE & SNOW SHOE R. R.—Time-Table in effect on and after March 1, 1882:

Leaves Snow Shoe 5.36 A. M., arrives in Bellefonte 7.24 A. M.

Leaves Bellefonte 9.12 A. M., arrives at Snow Shoe 11.25 A. M.

Leaves Snow Shoe 2.30 P. M., arrives in Bellefonte 4.20 P. M.

Leaves Bellefonte 4.45 P. M., arrives at Snow Shoe 7.25 P. M. S. S. BLAIR, Gen'l Superintendent.

BALD EAGLE VALLEY RAILROAD.—Time-Table, April 29, 1880:

Exp. Mail. A. M.	Mail. P. M.	WESTWARD.		EASTWARD.	Exp. Mail. P. M.	Mail. A. M.
8 10	7 02	.....Arrive at Tyrone Leave.....			7 32	8 48
8 3	6 55	.....Leave East Tyrone Leave...			7 39	8 55
7 59	6 51	.....	"	Vail	" ... 7 42	8 58
7 55	6 47	.....	"	Bald Eagle	" ... 7 47	9 02
7 48	6 36	.....	"	Fowler	" ... 7 52	9 09
7 42	6 33	.....	"	Hannah	" ... 7 55	9 13
7 35	6 25	.....	"	Port Matilda	" ... 8 00	9 19
7 27	6 17	.....	"	Martha	" ... 8 07	9 25
7 18	6 08	.....	"	Julian	" ... 8 15	9 32
7 9	5 57	.....	"	Unionville	" ... 8 23	9 39
7 00	5 48	.....	"	Snow Shoe In	" ... 8 32	9 45
6 56	5 45	.....	"	Milesburg	" ... 8 34	9 48
6 46	5 35	.....	"	Bellefonte	" ... 8 43	9 57
6 36	5 25	.....	"	Milesburg	" ... 8 54	10 08
6 25	5 15	.....	"	Curtin	" ... 9 06	10 19
6 18	5 10	.....	"	Mount Eagle	" ... 9 12	10 25
6 9	5 01	.....	"	Howard	" ... 9 20	10 37
5 55	4 50	.....	"	Eagleville	" ... 9 38	10 49
5 50	4 45	.....	"	Beech Creek	" ... 9 40	10, 54
5 34	4 33	.....	"	Mill Hall	" ... 9 54	11 16
5 29	4 30	.....	"	Flemington	" ... 9 57	11 20
5 25	4 25	.....	"	Lock Haven	" ...10 01	11 25

PENNSYLVANIA RAILROAD.—(Philadelphia and Erie Division.)—On and after December 12, 1877:

WESTWARD.

ERIE MAIL leaves Philadelphia	11 55 p m
" " Harrisburg	4 25 a m
" " Williamsport	8 35 a m
" " Lock Haven	9 40 a m
" " Renovo	10 55 a m
" arrives at Erie	7 35 p m
NIAGARA EXPRESS leaves Philadelphia	7 20 a m
" " Harrisburg	10 50 a m
" " Williamsport	2 20 p m
" arrives at Renovo	4 40 p m
Passengers by this train arrive in Bellefonte at	4 35 p m
FAST LINE leaves Philadelphia	11 45 a m
" " Harrisburg	3 55 p m
" " Williamsport	7 30 p m
" arrives at Lock Haven	8 40 p m

EASTWARD.

PACIFIC EXPRESS leaves Lock Haven	6 40 a m
" " Williamsport	7 55 a m
" arrives at Harrisburg	11 55 a m
" " Philadelphia	3 45 p m
DAY EXPRESS leaves Renovo	10 10 a m
" " Lock Haven	11 20 a m
" " Williamsport	12 40 a m
" arrives at Harrisburg	4 10 p m
" " Philadelphia	7 20 p m
ERIE MAIL leaves Renovo	8 35 p m
" " Lock Haven	9 45 p m
" " Williamsport	11 05 p m
" arrives at Harrisburg	2 45 a m
" " Philadelphia	7 00 a m
FAST LINE leaves Williamsport	12 35 a m
" arrives at Harrisburg	3 58 a m
" " Philadelphia	7 35 a m

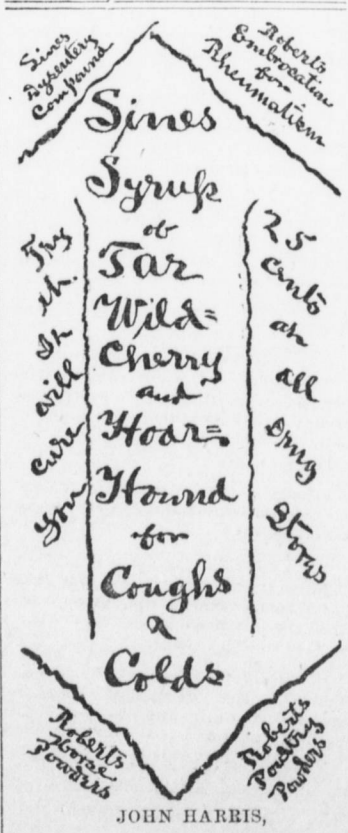
Erie Mail West, Niagara Express West, Lock Haven Accommodation West, and Day Express East, make close connections at Northumberland with L. & B. R. R. trains for Wilkesbarre and Scranton.

Erie Mail West, Niagara Express West, and Erie Express West, and Lock Haven Accommodation West, make close connection at Williamsport with N. C. R. W. trains north.

Erie Mail West, Niagara Express West, and Day Express East, make close connection at Lock Haven With P. E. V. R. R. trains.

Erie Mail East and West connect at Erie with trains on L. S. & M. S. R. R., at Corry with C. C. & A. V. R. R., at Emporium with B. N. Y. & P. R. R., and at Driftwood with A. V. R. R.

Parlor cars will run between Philadelphia and Williamsport on Niagara Express West, Erie Express West, Philadelphia Express East and Day Express East, and Sunday Express East. Sleeping cars on all night trains. WM. A. BALDWIN, Gen'l Superintendent.



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or to DAVID Z. KLINE, Co.'s Appraiser,
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tf-3 Unionville, Centre county, Pa.

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Is a Positive Cure
For all those Painful Complaints and Weaknesses so common to our best female population.
A Medicine for Woman. Invented by a Woman. Prepared by a Woman.
The Greatest Medical Discovery Since the Dawn of History.
☞It revives the drooping spirits, invigorates and harmonizes the organic functions, gives elasticity and firmness to the step, restores the natural lustre to the eye, and plants on the pale cheek of woman the fresh roses of life's spring and early summer time.
☞Physicians Use It and Prescribe It Freely.☜
It removes faintness, flatulency, destroys all craving for stimulant, and relieves weakness of the stomach.
That feeling of bearing down, causing pain, weight and backache, is always permanently cured by its use.
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The Centre Democrat.

BELLEFONTE, PA.

AGRICULTURAL.

NEWS, FACTS AND SUGGESTIONS.

THE TEST OF THE NATIONAL WELFARE IS THE INTELLIGENCE AND PROSPERITY OF THE FARMER.

Every farmer in his annual experience discovers something of value. Write it and send it to the "Agricultural Editor of the DEMOCRAT, *Bellefonte, Penn'a," that other farmers may have the benefit of it. Let communications be timely, and be sure that they are brief and well pointed.*

A FIRM, well-compacted bottom, with a mellow, thoroughly, fined surface, constitute the proper mechanical conditions of soil for a seed-bed for wheat. This condition is easily and thoroughly secured by early plowing, and frequently repeated harrowings. A very important incidental advantage derived from this course is the destruction of myriads of weed seeds.

MR. JOHN DUNCAN, editor of the *Kentucky Live Stock Monthly*, meets the objection to their small size, often urged against the Jerseys, by saying that as machines to convert food quickly, and in large quantities, into the very best and highest priced butter, they pay so well that it is immaterial whether the machine, when worn out, will sell for a big price to the butcher or not.

ONE of the most important improvements in little things connected with farm implements is the "slip point" now provided for all of the best plows. It is a great comfort and promoter of good work because it provides for always keeping the plow point sharp, and it is a great economy because it enables one to get much more wear out of a share, than when it is cast in one solid piece.

THE continued high prices for everything that the farmer produces and sells furnish an excellent stimulent for improved farming and more of it. The time has been when objection was made to the advocacy of progressive farming and the teaching of better methods, on the ground that over-production and low prices would follow. In the light of existing facts this argument loses its force. There is plenty of room for more farmers, and abundant reason for better farming in this country.

TURNIP seed sowing is in order at any time for the next two or three weeks. This is a very cheap crop, and one of no inconsiderable value for fall and early winter feeding. If the corn ground happens to be on good bottom land, and is kept as clean as it should be, it is an excellent plan to sow the turnip seed among the corn at the last cultivating. A crop of several tons per acre may be realized without the least danger to the corn, and with no expense except that of harvesting. One of the essentials of success is that the seed should be sown *immediately* after the cultivator, before the ground has had time to settle.

WE are under obligations to Col. Thomas, of the *Farmer's Friend*, for an invitation to attend the summer meeting of the Cumberland Valley Editorial Association, at Williams' Grove, on Friday, August 21, that being "Editors' Day" at the Grangers' Tri-State Picnic, which will be in progress during that week. This annual meeting of the farmers of three States has grown to an occasion of great interest and real importance to the farming communities reached by its wide-spreading influence. Col. Thomas, the inventor and promoter, has worked indefatigably to accomplish this result, and in its management evinces executive ability of a high order. We hope the coming occasion may be even more pleasant and successful than any of the past. Manufacturers of agricultural implements and machinery, breeders of good stock, and all interested in agricultural progress and advancement, will do well to make note of the exhibition. Last year it was attended by more than thirty thousand farmers, representing ten different States. From an advance circular received from Col. Thomas we make the following extracts:

"The Ninth Annual Tri-State Picnic and Exhibition of the Patrons of Husbandry of Pennsylvania, Maryland and West Virginia, will open at Williams' Grove, Cumberland county, Pa., on Monday, August 21, 1882, and continue until Saturday, August 26th.

Excursion rates at reduced fare will be arranged over all the principal railroads in Pennsylvania, Maryland and West Virginia.

Agricultural and scientific addresses, by prominent farmers and statesmen, will be delivered on Tuesday, Wednesday, Thursday and Friday.

Friday 25th, will be "Editors' Day," and many of the most prominent newspaper men in the country will be present on that day.

Circulars, giving full details of the arrangements, will be issued by July 1st.

For further particulars address,
R. H. THOMAS,
Man'gr Tri-State Picnic and Ex.,
Mechanicsburg, Pa.

The Turnip Crop.

American Agriculturist.

No crop makes better returns for labor bestowed than turnips. The seed may be sowed any time from the first of June throughout August, in many localities below the isothermal of say the north line of Connecticut. It may be sowed broadcast, in drills or rows, or as a "cattle crop," among corn; or turnips may be used to seed grass with, sowing both the turnip and grass seed about August 1st. For turnips alone the preparation of the ground is simple. It needs good plowing and harrowing if in fair heart; but a dressing of 400 pounds of bone dust or 250 pounds of superphosphate to the acre will almost insure a good crop. We rarely have such dry weather that turnips will not start in July, and soon as they make leaf heavy dews seem to be enough to keep them growing, but last year was an exception in this part of the country. In many fields turnip seed on dry ground did not germinate, or at least did not make any show above ground.

In sowing turnips broadcast the greatest care must be taken to have them thin enough. A pound of seed to the acre is all that should be sowed, and this should be divided, the whole piece being sowed twice at right angles. In Europe the seedsmen use old seed baked, or baked rape seed, to mix with turnip seed as an adulteration. If we could buy here such old baked seed so as to mix it ourselves—say five pounds of baked with one of live seed, and thus be able to make a fair cast, instead of throwing little pinches of seed as we now do, it would save a good deal of trouble. Sowed in drills, turnips must be thinned. Much rank manure gives it a strong, bad flavor. Turnips ought never to have the first chance at a dressing of yard or stable manure, but to come as a second crop As to varieties, there are two widely different classes, and intermediate varieties without number which it is hard to classify. Swedish or Russian turnips, generally known as "Ruta-bagas" or "Swedes," are a very distinct, hard-fleshed, glossy-leaved kind, occuring in many varieties, that need better soil, earlier sowing and better culture than the soft-fleshed or English turnip, which is rough-leaved, grows most rapidly, is a voracious feeder, doing well and making a bulky watery crop where Swedes would do very little, and yet it is a question whether the small crop of Swedes would not contain nearly as much nutriment as the soft turnips. Between these two extremes of hard-fleshed and soft-fleshed kinds are many varieties partaking in a measure of the hard-fleshed character of the Swedes, but generally regarded and treated as belonging to the common or English species. Such are the "Yellow globe," "Yellow-stone," "Dutch," etc. As a rule it is best to sow Swedes as early as the first of July, the "Globe" and "Stone" turnips as early as the 25th, and the soft turnips, "Strap-leafed flat," "Cow-horn," etc., by the 10th of August. The last named is the best to seed down to grass with, and on good soil, not clayey, turnips and clover seed may be mixed together, using about 15 pounds of clover seed, because some will winter-kill.

Advantage of Flat Cultivation.

Correspondent of Country Centleman.

Whether the land is very fertile, or whether we have 2,700 or 3,500 hills, flat cultivation, and keeping the soil clean of weeds, grass, etc., each of which take up moisture that may be needed by the corn, will do much to economize the water supply of the soil. Every elevation of the soil above the level gives so much more surface to give off moisture, and hills are only a damage to the crop, for they not only dry out the soil sooner, and contract the spreading of the roots of the corn, but they contract the brace roots so that the corn is easier prostrated by storms.

Cultivate often, commencing by dragging it before it comes up, and after; at least once with a Thomas harrow. Do not cultivate deep enough to cut off the roots. Root pruning is not necessary on one field in a hundred, as a check to vigorous growth. Cultivate often, but stop when the tassels have nicely developed themselves. Corn does not want to be disturbed when the fertilization and maturing of the ears is going on.

Corn is the mostprolific grain we grow.

The Theory of Mulching.

Josiah Hoopes in the Tribune.

The intelligent horticulturist mulches his young trees and plants to keep the soil cool and moist. With this definite object in view, he is careful to apply only a slight covering of some lose material that will admit a circulation of fresh air to the ground, and yet prevent the direct rays of the sun from baking and retarding the growth of the delicate young rootlets. When a thick mass of mulching substance is placed around a tree or plant, the soil beneath quickly becomes saturated with moisture, followed by the germs of disease, and this is why the system is in bad repute with some of our best cultivators. Bearing in mind that the object is merely to shade the soil, the material should be as light and loose as possible, and if it is removed occasionally and the surface of the soil stirred, there cannot be any evil results.

An objection has been raised to the system on account of the harbor it affords for insects, but we must bear in mind that very few of these are injurious and some of them positively beneficial as scavengers. It has been stated that if we keep the soil constantly stirred, mulching will be unnecessary. With this I cannot fully agree, although a strong advocate of frequent hoeing of the surface. No matter how often or how thoroughly the soil is stirred, the hot rays of the sun in midsummer will injure the roots more or less of a newly planted tree. Loose soil always attracts moisture, it is true, but mulching will preserve it cool and moist at the same time. In winter, the benefit to be derived from mulch in preserving an even temperature at the roots is beyond all question. It is not to keep them warm, but to guard against sudden and injurious changes.

Sulphur in the Pig Pen.

A. W. Ross in Swine Breeders' Journal.

If there is any appearance of lice or vermin of any kind, sprinkle sulphur in small quantities over the bedding. This, when the nest becomes warm, rises in fumes, and will quickly drive out every manner of vermin, and besides it is very healthy—entering through the pores of the skin it cleanses the blood. A little of it placed in the slop occasionally will do more to keep away cholera and like diseases than anything you buy for five and ten dollars. The trouble is the remedy and preventive is far too simple and cheap.

MR. PETER FAY, of Southboro, reports to the *Massachusetts Ploughman* a little incident of his early days as an agriculturist, illustrating the "effect of frequent cultivation," and the lesson of which he says was worth to him $500 on a $200 farm." "The minister of the parish had the best garden in town; I went to him (the Rev. Walter Follet), and said: 'Will you please tell me what is the secret of this enormous growth of your vegetables, and getting them so forward?' (knowing he had but a little wood ashes). 'Well, Mr. Fay, I can tell you in a few words: I am in my garden by the rising of the sun (this was June), and I can go over it in about four mornings, then I commence and go over it again, and continue it till my vegetables are grown, and never let a weed go to seed.' The secret of this growth was the frequent stirring of the soil."

WITH substantial, well built roads along the lines of most frequent travel the cost of conveying grain and fruit to the railway stations might be reduced from one hundred to one thousand per cent. This is no exaggeration, as may be seen from the fact that it now costs the farmer as much to haul a bushel of grain one mile from his farm as it does the railroad company to haul a ton the same distance. The railroad companies think it pays to prepare a smooth, level road bed.—*Practical Farmer.*

MANY tillers of the soil entertain the idea that the only object of cultivation is the killing of weeds, while in reality a good gardner should have no weeds to kill. Weeds should serve him only as reminders of his remissness in cultivating his crops at the proper time. The principal object of stirring the ground is to keep the soil light and loose, that air and moisture may penetrate it and that the roots may spread easier in search for their necessary food.—*Dr. Hexamer.*

AS soon as potatoes commence to blossom all cultivation should cease, because if the earth is stirred after that time a large number of small tubers will surely be the result.

FARMING is a business, and there is a great deal of head work about it as well as hand work. The latter is comparatively cheap and feasible, and can be hired.

OBSERVANT wheat growers seem to favor the theory that a good wheat soil, a part of the condition for success, needs heavy rolling to follow the seeding.

Cabbage plants may be hoed every day during the season with advantage to the crop.