

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."

The current number of the Scientific American contains a finely illustrated article, describing a new invention now under trial in France, for plowing by the use of electricity as a motive power.

A CORRESPONDENT of the Practical Farmer asks for information regarding "new and improved grinders for mowing machine knives."

THE matter of growing roots for stock-feeding is attracting more and more attention from farmers every year, and to stimulate this important interest, and supply the information sought for upon the subject, Messrs. Landreth and Son, of Philadelphia, who make a specialty of seeds of this kind, have published a pamphlet of near fifty pages, devoted entirely to its consideration.

Now that "harvest is ended" and we are about to enter earnestly into preparation for putting out next year's crop, let us stop and think a little. Can we not accomplish something in the direction of "making farming pay," by a decrease in the number of acres put out, and an increase of manure, labor, and care in all the work of preparation upon those acres?

Nurserymen, or Tree Peddlers.

At a recent convention of nurserymen held in Cleveland, a report was presented and resolutions adopted, endorsing and adhering to the practice of selling trees through the medium of traveling agents.

to some one of those whose advertisements you find there, and the probability is that you will be honorably treated, and get just what you order and pay for.

Poultry on the Farm.

The French farmers, who surpass all the world in their understanding and appreciation of the small economies of agriculture, set great store by the products of their poultry yards, accounting them one of the chief spokes in the wheel of their agricultural fortune.

This is the time to take the subject into consideration. The crowding and pushing and hurrying incident "hay and harvest" are about over and you have "time to think."

Rye in Corn.

Mr. W. P. Belknap, of Goldfield, Iowa, makes a good suggestion relative to sowing rye in corn before the last plowing.

Beating the English.

English agriculture, with all that pertains thereto, has been held up before American farmers as a sampler, so long and so persistently, that we have come to consider the little island a sort of agricultural paradise which it would be presumptuous in us to criticize or even try to emulate.

Thoughts of Thinking Farmers.

To the question—"Would you consider a well-bred animal a good factory for the manufacture of fertilizers, aside from the profit or value to be obtained directly from the food in butter or fat?"

In any case agricultural profit consists in converting cheap materials or agents into more valuable ones, and if the food devoted to cattle keeping, &c., be not hereby transformed into something which, added to the manure, exceeds the cost of the food, there is no profit.

There may be exceptional cases, or localities, where the manure is unusually valuable—as for tobacco raising—and feed unusually cheap, where the animal may possibly pay simply as a manure factory; but I incline to believe that the profit in any such case could be got, and more than got, by substituting something else for the animal.

There is something in a heavy sod that will perfect a crop even in an unfavorable season. I never have failed of a good crop on such land. Soil will soon be renovated after partial deterioration, if grass can be densely set on the surface; and this mode of renovation, I claim, is the quickest, surest and cheapest of any.

made so full of loss to the farmer as to allow naturally good soil to deteriorate at all, and when farmers understand and act on this principle, our productions will never fall below an average, or even to this point.

Nothing is properly manure unless reduced to a state ready for plant food. Straw and coarse material will make plant food, but no plant can get food from a bundle of straw in that state.

If I can afford enough manure to enrich the soil by incorporation eight inches deep, I plow in and mix to this depth, but if I can only apply enough to enrich three inches in depth, I make that three inches the surface, and if I can thoroughly incorporate manure enough into three inches of surface soil, I regard it as the greatest achievement in farming.

There has been much ridicule bestowed on "Jacks of all trades," but my experience in life, now somewhat lengthened, is to the effect that a farmer who does not, when required, branch out into what may be called the professions, and become handy at many things, even of a scientific nature, is spending a good many of his days to little purpose.

Among Our Contemporaries.

Vick's Illustrated Monthly for July has reached our table, and is as tasty and spicy as ever. Its articles are all original and practical, and illustrated by no less than fifty-three handsome engravings, besides the very elegant full-page chromo of Abutlons.

The Country Gentleman comes to us regularly, and is always welcomed and carefully read. Of the many agricultural weeklies published in the country we know of none which maintains a higher standard of usefulness to the every day farmer.

The Mobile Register notes the death of a number of distinctive agricultural journals in the South during the past year or two, and attributes this state of affairs to the fact that many miscellaneous journals maintain well-filled and carefully-edited agricultural departments.

Land Only an Opportunity to Apply Labor.

Land, indeed, is only valuable as it affords an opportunity to apply labor, and the accumulated product of labor—capital. Without these, land will yield no profit; and just in proportion as labor and capital are judiciously expended upon it, can land be made a means of adding to our wealth—that is, to "pay."

Pig Pork.

Let all who doubt that pig pork is preferable to old hog pork, test both, and I believe they will always use pig pork in their family, when possible, and sell the old hog pork. The nicest as well as cheapest pork a farmer can make, is that obtained by feeding pigs all they will eat until six or eight months old, when they should be butchered.

HARDWARE. WILSON, McFARLANE & CO. DEALERS IN STOVES AND RANGES, PAINTS, OILS, GLASS, RAKES, FORKS, CRADLES & SCYTHES. SOLE AGENTS FOR JOHNSON'S KALSOMINE.

CENTRAL STATE NORMAL SCHOOL (Eighth Normal School District.) LOCK HAVEN, CLINTON CO., PA. A. N. RAUB, A. M., Principal.

THIS SCHOOL, as at present constituted, offers the very best facilities for Professional and Classical learning. Buildings spacious, heating and ventilation complete, heated by steam, well ventilated and furnished with a beautiful supply of pure water, soft spring water.

BELLEFONTE & SNOW SHOE R. R.—Time-Table in effect on and after Dec. 31, 1877. Leaves Snow Shoe 7:30 A. M., arrives in Bellefonte 9:20 A. M.

Table with columns: Exp. Mail, WESTWARD, EASTWARD, Exp. Mail. Lists train schedules and times for various routes.

PENNSYLVANIA RAILROAD.

Table with columns: WESTWARD, EASTWARD. Lists train schedules and times for various routes.

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PATENTS AND TRADE-MARKS. We procure PATENT PATENT ON INVENTIONS. No ATTY-FEE IN ADVANCE in application for PATENTS in the United States.

THE SCIENTIFIC RECORD. All Patents obtained through our agency are noted in the SCIENTIFIC RECORD, a monthly paper of large circulation, published by us, and devoted to Scientific and Mechanical matters.

INVENTORS. Send us a description of your invention, giving your idea in your own language, and we will give an opinion as to patentability, with full instructions, charging nothing for our advice.

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