HARDWARE!

WILSON, McFARLANE & CO.

STOVES, RANGES HEATERS.

Paints, Oils, Glass and Varnishes,

BUILDERS' HARDWARE. ALLEGHENY STREET, . .

12-1y

Professional Cards.

ATTORNEY-AT-LAW,
Office in Woodring's Block, opposite the Court Hous
consultation in English or German. 2-1

A LEXANDER & BOWER,

BEAVER & GEPHART,
Office on Allegheny street, north of High. Belle

Office Allegheny Street, over Post Office. 21-1y

ATTORNEY-AT-LAW,
BELLEFONTE, CENTRE COUNTY, PA.
Special attention to Collections; practices in all the
Courts; Consultations in German or E. glish. 1-ly

T. C. HIPPLE,
ATTORNEY-AT-LAW,
LOCK HAVEN, PA.
All business promptly attended to.
11y

Will attend to all work in Clearfield, Centre and

Office opposite Lock Haven National Bank. 20-1y

WALLACE & KREBS, D. L. KREBS.

Will attend and try causes at Beilefonte when spe 1-1y

WILLIAM McCULLOUGH. ATTORNEY-AT LAW, CLEARFIELD, PA. All business promptly attended to. 1-ly

NEW ENTERPRISE.

AGRICULTURAL IMPLEMENT

-AND-

SEED STORE

BELLEFONTE, PA.
They mean by this all the name imports

woved patterns.
MOWERS, REAPERS and GRAIN BINDERS,-Of

THE GEISER THRESHER AND SEPARATOR -

e reputation of this machine is so well established at we can say nothing about it that the people de t know. Any person wanting one, or in need of

organis for these new in the county of the present of the present

WAGONS, CARRIAGES, BUGGIES and PHÆTONS.
We are agents for the sale of the celebrated CONK.

WAGONS, CARRIANTS, BOUGHES and PHÆTIONS,
LIN WAGON, the reputation of which is so well established; also of the CORTLAND PLATFORM SPRING
WAGONS, Carriages, Phetons and Buggies. All are
warranted. Call and see specimens and examine catalogues as to styles and prices before buying elsewhere.
Catalogues furnished on application.

Catalogues furnished on application.

PLASTER AND FRETILIZERS.—Cayuga plaster
fluely ground, as good as the best Nova Scotia, at the
low price of \$7.00 per ton. Peruvian Guano sold on
orders only. Phosphates always on hand, Special
manures for different crops sold upon orders at manufacturers' prices.

and to furnish to farmers at the ice everything in the shape of an ment that farmers use, including

A LEXANDER & CO.,

ATTORNEYS-AT LAW, CLEARFIELD, PA.

JOHN BLAIR LINN,

MURRAY & GORDON,

WM. P. MITCHELL,

FRANK FIELDING.

Business Cards.

TARNESS MANUFACTORY SS MANUFACTORY
in Garman's New Block,
RELLEFONTE, PA.

A. McKEE,
ATTORNEY AT LAW.
Office opposite Court House, Beilefante, Pa

P. BLAIR, JEWELER, WATCHES, CLOCKS, JEWELEY, &C. neatly executed. On Allegheny street, whost House.

DEALERS IN PURE DRUGS ONLY.

DRUGGISTS.
No 6. Brockerinoff Row.
All the Standard Patent Medicines Precriptions and Family Recipes accurately prepared. Trusses, Shoulder Braces, &c., &c., 4-tf

FASHIONABLE BOOT & SHOEMAKER, Brockerhoff flow, Allegheny street, Bellefonte, Pa. ST NATIONAL BANK OF

BELLEFONTE, gheny Street, Bellefonte, Pa. 4-tf CENTRE COUNTY BANKING

Discount Notes;

Buy and Sell
Gov. Securities,
Gold and Coupens,
Office on Allegheny St

BELLEFONTE & SNOW SHOE Shoe 2.00 P.M., arrives in Bellefonte J. L. SPANGLER, lefonte 5.15 p. M., arrives at Snow Shoe DANIEL RHOADS, General Superintendent.

BALD EAGLE VALLEY RAIL-April 29, 1880; EASTWARD. Exp. Mail.

.Arrive at Tyrone Leave. .Leave East Tyrone Leave ... Vail Baid Eagle ... Hannah Port Matilda

DENNSYLVANIA RAILROAD.

arrives at Harrisburg...
Philadelphia.

on at Williamsport with N. C. R. , make close connection at Lock Haven E. R. trains. East and West connect at Eric with trains S. R. R., at Corry with O. C. & A. V. R. rdum with B. N. Y. & P. R. R., and at EA. V. R. R. V. R. R.
run between Philadelphia and
lagara Express West, Eric Express
Express East and Day Express
express East. Sleeping cars on all
Wm. A. Balowix,
Gen'l Superintendent.

B CHESTNUT AND NINTH STREETS,
PRILADELPHIA.

prominent in a city famed for its comis kept in every respect equal to any
in the country. Owing to the stringin the country.

USH HOUSE. BELLEFONTE, PA., D. P. PETERS, Proprietor

LAL HOTEL. KOHLBECKER, Proprietor.

TRAVELERS on the railroad will find a excellent place to lunch, or procure a TRAINS stop about 25 minutes. 47

Y To Loan at 6 per Ct. BY THE MUTUAL LIFE INSUR-NEW YORK, on first mortgage, on property, in sums not less than \$2,000, diag one-third of the present value of Any portion of the principal can be time, and it has been the custom of the the privcipal to remain as long as, if the interest is promptly paid.

LES P. SHERMAN. Attorney-at-law, 527 Court street. Reading, Pa., Z. KLINE, Co.'s Appraiser. Bellefonte, Pa.

The Centre Democrat. BELLEFONTE, PA.

AGRICULTURAL.

NEWS, FACTS AND SUGGESTIONS.

THE TEST OF THE NATIONAL WELFARE IS THE INTELLI-GENCE 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 Demockat, Bellefonte, Pennia," that other farmers may have the benefit of it. Let communications be timely, and be sure that they are brief and well pointed.

THOSE who read this department of the Democrat regularly are well aware of the importance we attach to the "Farmers' Garden." The receipt of several of the seedsmen's annual catalogues, some of which we shall notice hereafter, reminds us that the time is already here-although the "fall work" for the present season has barely closed-when we must think up our preparations for the next campaign in the garden. An excellent way to begin this work systematically is to send at once, to some one or more of the leading seedsmen farmer. for their catalouges, and after thorough examinations of them, make a list of the seeds you need, and send for them promptly. Of course, most farmers save, from their own gardens, many of the seeds which they use, but there is not a garden in Centre county which would not yield greater D. F. FORTNEY,
ATTORNEY-AT-LAW,
BELLEFONTE, PA.
Last door to the left in the Court House. 2-ly with some of the improved seeds offered by the seedsmen. You will want ATTORNEY AT LAW, heny Street South side of Lyon's and oblige the seedsmen, while you confer a favor upon yourself.

CAN root crops be profitably raised in our peculiar climate, and with our present high prices for labor as a winter food for stock? This is a question as yet much mooted among American farmers, and in but few cases solved, by experience, to the satisfaction of the experimenters. Some of the most practical and skill- experieded correspondent of the ful farmers within our knowledge diametrically disagree as to the answer -a fact to be accounted for, probably, by the different circumstances under which they are placed. As for ourselves we have not yet been able to come to a conclusion, although we belie will be most applicable to the have raised and fed larger or smaller C. HEINLE,

ATTORNEY AT LAW.

Office in Conrad House, Allegheny street.

Special attention given to the collection of claims.
All business attended to promptly.

Crops of various sorts, for several years in succession. In our opinion, each individual farmer must solve the problem for himself, in the light crops of various sorts, for several lane the problem for himself, in the light so, the mechanical condition of the to be gained by personal experience, grand admitting of little or no imseconded by such trustworthy exper. prement. ience of others as he may be able to ofhe soil, the benefit of which no obtain. Perhaps no man in the positive convictions upon this subject than Levi Stockbridge, and those who than Levi Stockbridge, and those who find themselves interested in it will be a benefit in a drouth; itsessens the effect of frost and pen which will be found in another column of this page, and for which we are indebted to our excellent contemporary, the American Farmer.

that is, to deal in and to invision to rathers at the lowest possible price everything in the shape of an agricultural implement that farmers use, including SEEES of all kinds.

At present we have on hand and are the authorized agents for the sale of the SYRACUSE CHILLED PLOW, made at Syracuse, N. Y. It is the best chilled plow now made; also the Keystone and iron beam plows made at Centre Hall. No better plows than these can be had for the same sucure of money. Also the Cestre Hall Corpnjanter. We need say nothing about the merits of this planter, as the 2000 now in use in Centre county demonstrates them to be the best. BARROWS and CULTIVATORS of the latest improved patterns. young stock of all kinds now will be found profitable. If you have roots and corn with which to help out the and corn with which to help out the straw and fodder, it would be far tter soil. then deal them out in larger quanti ties. By that time your stock will MOWERS. REAPERS and GRAIN BINDERS.—Of hese we sell the Obsorne either as separate Mowers, combined Reapers and Mowers, single Harvesters, or as Combined Reapers and Binders.

THE WHEELER, No. 6, as a combined machine, is he best machine of the kind in the market.

THE GREATEST IMPROVEMENT OF THE AGE as the Nortistown Gleaner and Binder. Call and see t. It is wonderfully perfect.

Any boy two view years old, with one horse, will follow and bind all the grain that any Reaper with side elivery will cut. It not only binds but gleans, and will save the price of the machine in one year, by aking up from the stubble that which is now lost, asking up from the stubble that which is now lost, the control of the stubble that which is now lost, without broadcast hoes, with or without fertilizer and examples of the machine in one of the stubble of the proposes in the market.

THE GRISER THERSHEE AND SEPREMATOR. "spring poor," and the extra feed will is a fatal one-the intervention of be of less benefit to them, than if tion by giving them a portion of it to be of little or no avail-less so, during the earlier part of the winter. Let us make ourselves clear: Of course you have enough coarse feed op is put in, so as to get the benefit -hay, straw and fodder-to carry your stock through the winter. This they must have every day, and you feed it out in such quantities as will make it reach to pasturing time. But this is not enough for the successful wintering of stock in our severe climate, and it is to be hoped that in addition to this you have at least a ding may be accomplished, where limited quantity of "extra feed" in the shape of coarse grains, apples, lect. The soil may be dry enough to manures for different crops sold upon orders at manufacturers' prices.

POWDER.—We are Dupont's agents. Blasting, Sporting and Rifle powder on hand and sold at wholesale prices; also fase.

UKAIN.—After the growing crop is harvested we will be prepared to pay the highest market price for all kinds of grant Is always stocked with the best Arthracite Coal which we sell at lowest price.

LIME.—We make the best white lime in the State. Its properties for mechanical and agricultural purposes excel all others.

FAIRBANKS SOALES.—We are their agents in Centre county and will supply all parties wishing good and true scales at their lowest prices.

We extend an invitation to everyhody in want of anything in our line to call at our store rooms, opposite the Bush House, and are what we have, and learn from those in attendance more particularly the scope of our business.

ALEXANDER & CO.

Bellefonte, Pa., May 6, 1880.

Agricultural Publications.

We are already, December 3, in receipt of the Rural Register and Almanac Landreth & Sons, seed growers, of a catalogue and price list of the seeds grown and sold by the firm, and is intended also as a guide and instructor. not only in the purchase of seeds, but during the whole gardening season. It will be sent free, with postage prepaid, to any one who will send his or her obtained, is to be ascertained by exaddress on a postal card, addressed as amining the soil, and precludes workourselves so fully in regard to the ularly the last. excellence of the Landreth seeds, that t is unnecessary to say more here than that another year's experience with them has served only to enhance our by the light of a few scientific lacts,

The December number of the Ameriin such good style that it is a pleasure to read it. As cheap as the cheapest,

aid cheaply they may have beautiful of root-growing. stroundings, its circulation should be Writers on the subject have stated

Subsoiling.

Subsoling, as a means of permanently inproving the land, is not upon to subject for a late number, contion of Centre county farm

is doubtful whether subsoiling cabe of much if any benefit on riv or other well drained or sandy he true object is the deeper fining

fol, it disposes more readily of rain wer when in excess, retaining it be pleased to read the paper from his sere heat, as the roots extend dper, and the soil, by evaporation, iskept cooler in great heat and wmer in cool weather. There is a less ice formed, and hence less hving of the plant. Beside all this, t soil below is aired, and the rains A LITTLE extra feed given to the young stock of all kinds now will be

> oper condition of the land is usuale following season; it will cause for our decision, potatoes would is is my experience. The desirae time is in the spring before the iring the season. But the difficulty re is to have the soil dry enough. is seldom that this is the case fliciently early to sow the crop in od time, which should be for most our spring crops as soon as the ound is mellow or dry be seen. With ere is good drainage, with good

rk well at the surface, and yet be wet below. But it may also be 6 dry, as in a drouth, when it is hd and will break in lumps, leaving flow places. This will add to the fee of the drouth and hurt the t land for the next year's crop.

lay in in its various forms is a burt by it if the work is done at amproper time, when the soil will

composed almost wholly of clay, must be let alone. This is the only treatment that is very gradually deepening the soil, bringing up a little of for 1881, published by Messrs. D. this clay at each fall ploughing, and applying manure to aid disintegra-Philadelphia. This includes, of course, tion and favor improvement. If the surface soil has some sand this plan ing or preparing the land for it; if

of clay, the case is a hard one. The proper condition of the ground for subsoiling, which is when the greatest degree of mellowness can be ment. above. We have heretofore expressed ing when too dry or too wet, partic-

Nutritive Value of Roots.

and endeavor to draw such practical conclusions as are suggested. And can Farmer is also at hand. This is one if I devote space to the consideration of the soundest and solidest agricultural of the so-called root crops, to the exjournals in the land. Its matter is clusion of vegetables, it is because always of the very best, and is printed the latter are grown principally for human consumption, to be sold from the farm, and for them there is a conard as good as the best, it would be an simply to cater; while on the other equisition to the current reading math hand roots are generally grown for three hundred pounds of sugar beets ter of every progressive, intelligent consumption on the farm, and it is of are the nutritive equivalent for one farmer. Vick's Illustrated Magazine is always possible, which of them can be most welcome everywhere, and justly so. It profitably converted into animal tis. furnishes more than twice as much isone of the most elegant little publishes and animal products, or will in cations in the country and is a real power in making people happier and better wherever it is known. Beautiful the greatest degree increase the oow. and that the nutriment lumished by the greatest degree increase the oow. The following the nutriment is in the cheapest form. But as it is not natural for the animal to take sidering the question, we must first the bulk of its food in this condition, it there is not natural for the animal to take the bulk of its food in this condition, it itself, and teaching others how easily fully understand the objector objects thrives best when receiving a portion in

profits if planted, partially at least, dubled and tripled. Gentlemen, a that the value of all food was solely aggestion: You cannot make your in the nutrition it contained, and sster, your sweetheart or your wife a have endeavored to figure out its valfered by the seedsmen. You will want ster, your sweetneart or your whe a some certainly. Send for them early, noliday present of anything for the from the amount of nutritive elements same money that will give greater found in them; yet every farmer cleasure, or te more highly appreciated than a year's subscription to Vick's ment, his stock is in an unnatural condition; that animals thrive best when fed upon green food containing more than eighty per cent. of water; and that the roots given them have two very important offices-first, to supply the nutrition contained in extensivly practiced in our county, themselves, and, second, to keep the and is pt, we apprehend, very generally nderstood among us. An possible, and thus enable it to extract more nutriment from its other food.

All root crops contain about the Countr Gentleman contributes an same quantity of water, and therefore interesing and very intelligent paper all answer equally well the second purpose for which they were fed. Therefore, in determining which crop and fowant of space to reproduce furnishes the most nutrition in exthe wole, we take the liberty of change for the cost of production, we makir such excerpts from it as we have to deal only with the nutritive below will be most applicable to the qualities, or flesh and fat-producing properties of the various crops. And for the sake of convenience, I have prepared a table showing the relative flesh and fat-forming qualities of our commonly-cultivated roots. Though L. Stockbridge. my results differ somewhat from quite generally received statements, I believe they are, so far as at present possible, perfectly correct; for the calculations are original, and the analyses upon which they are based obtain. Perhaps no man in the country is better prepared to express fothe roots to extend in search of and have never before appeared in were derived from foreign sources,

The most reliable chemical analysis of the important root crop gives the following results:

the potato stands first, while the but this is a business by itself, and sugar beet comes last, containing better to feed a small ration of them One of the great difficulties in rather less than half the amount of now than wait until February and boolling clay land is to know when nitrogenous matter found in the fordo it. The best time to meet the mer. As producers of fat, potatoes stand first, closely followed by carearly in the fall, or latter part of rots and beets, while turnips and of the ordinary "scrub" persuasionhave "run down," become almost mmer. But the objection is-and mangolds are far in the rear. It therefore appears that were the nutrinter will neutralize the effect for tive qualities of roots the only basis they had been kept in thriving condiall classes of animals, and that next wever, in connection with drainage. to them stands the frequently-despised carrot. But there is an item in guiding to the selection of the best root crop, if possible, of far more import- this holds good with cattle and sheep ance than the amount of beef and fat-forming elements it contains; namely, the cost of production, and hence the market value per pound of the nutriment they furnish. ence has fully demonstrated that, in regard to its yield, the ease with which it is cultivated, and its freedom w the more readily be seen. With sugar beet far surpasses all other roots; and when it is taken into con sideration that in nutritive qualities it is only surpassed by the potato and carrot, both of which are greatly inferior to it as producers, and far exceed it in the cost of cultivation, it must be conceded that the sugar be is, all in all, much the most profitable root we can grow, and is suitable alike for young growing animals, fat cattle, cp then sown, though it may benefit horses, milch cows; and even sheep and swine might advantageously be treated to an occasional meal of benefited by subsoiling, and these palatable and nutritious vegeta-

tough, tenacious subsoil, where root crop to grow, let me make a few that of cattle.

suggestions with regard to the cultivation and use of roots. And first bear in mind that a hundred and fifty poundsof beet tops are equal, for fall feeding, to a hundred pounds of the best meadow hay. There is a great difference between growing beets for sugar and beets for cattle; in the is an excellent substitute for subsoil- former case it is the chief aim of the producer to exclude all the nitrogen possible, while in the latter it is desirable that the plant store up the

> Therefore, beets for feeding purposes should be grown on heavier land, or that containing more organic matter, and giving all the nitrogeneous food they will assimilate.

Notwithstanding opinions to the contrary, I do not believe in cooking roots for horned cattle. The animals relish the raw vegetables best. The amount of woody fibre is so small, and the elements of nutrition are all so soluble and readily taken up by the system, that the increased nutritive qualities of the food, if they exist, will not nearly compensate for the increased cost of feeding. An acre of land that will produce three tons stant demand to which the farmer has of hay will grow twenty tons of beets; and when it is remembered that will be seen that an acre of beets nourishment as does an acre of hay, and that the nutriment furnished by the form of hay or fodder. from the nutriment they contain, the effect of roots on the condition of the animal is so salutary that this alone would repay the farmer for never attempting to winter his stock without roots sufficient to supply his animals with frequent meals of from one to three pecks of cut roots each. And, if such an allowance was given them every day, their owner would be amply rewarded. Though I fear the statement con-

flicts with some generally-received ideas, I am convinced that if not carried to excess, roots are the most profitable winter food for cattle; that among them the sugar beet stands first; next to it comes the mangelwurzel; and for feeding purposes the potato, even were it not visited by blight, rot, or Colorado beetle, could never be profitably grown. It is a fact beyond controversy, that the most successful agricultural districts are those where the most attention is given to these products. Though our farmers are giving the subje-more thought every year, I believe that a vastly increased acreage is essential to their greatest success, and that the cultivation of this crop is a flesh and fat-forming qualities of our necessary accompaniment to high and

Clippings and Comments.

I have given up the Berkshires ex-ept to cross with. Their meat is the est decidedly, the offal the smallest in proportion of any I have handled; but oh! these buts—they won't hold their own out in the clover fields against the cross with the Chester. The crossed animals always keep in the best condition on the same feed, and the pigs sell better, are more hardy and grow faster.

—Cor. of American Farmer. We thought everybody knew that

"crossing" is just what the ordinary farmer who raises meat wants of thoroughbreds, and he has no business with them for any other purpose. To be sure some one must raise the pure breeds to keep up the supply for the use of the meat-raising farmer, should be left in the hands of the breeders who understand it, and can afford to give it the required time and attention. A cross of a female so that she is healthy, with large frame and correspondingly large appetite-with a thoroughbred male, secures to the progeny all the good qualities of both parents, and they are, therefore, better than either for the average meat-raising farmer. And as well as pigs. By the way, we are glad to note that this correspondent speaks so favorably of the Berkshires. How does his experience agree with that of our friend, Dr. Stewart, of Snow Shoe?

As the dogs let me alone last year, my sheep paid more than one hundred per cent. profit! Think of that!-From the same Correspondent.

And when you "think of that" think at the same time how much "it would add to the agricultural wealth of our State if our legislature had wisdom or pluck enough to enact a law which would compel dog owners to see that their worthless curs let all sheep alone, or else pay for the sheep they kill.

SHEEP manure is much richer than Having stated what, to the best of that of cows. Practically it is estimy knowledge, is the most profitable mated at nearly double the value of