

Little Locals

Prof. Harry Gaver, of Norfolk Academy, is at home for the summer on a visit to his parents, Mr. and Mrs. Jas W. Gaver.

Boy's Knee Pants, at Palmbaum's.

Prof. C. M. Farmer, of the Berryville High School, left last Sunday for Charlottesville, where he will attend the Summer School at the University.

Select Honey, for sale by I. Bowman & Son.

Miss Margaret Frazier, of Washington, is visiting Miss Elizabeth Bowen at "Brentwood."

Towels, Tablecloths, Napkins Bedspreads, at Palmbaum's.

Mr. Julian Morales, one of our former citizens, but now living in Washington, is here on a visit.

These Perfection Oil Stoves are a little nicer and more convenient than anything you have ever owned. The price is very low, too. I. Bowman & Son.

The Misses Potts, of Shepherdstown, who have been visiting Miss Bessie McCormick, have returned home.

Wrappers at Palmbaum's.

Hon. Marshall McCormick was here Saturday from Roanoke, being one of the leading attorneys in the Meade will contest.

Just received, a full line of Ranges, I. Bowman & Son.

Mr. Kenneth Clapp is at "Rosemont" for the summer, on vacation from college.

Cotton and Gingham, at the old prices, at Palmbaum's.

Mrs. A. R. Brown is at home from a visit to relatives and friends in Norfolk.

Lace Curtains a specialty, at Palmbaum's.

Mr. John R. Crown, Virginia editor of the Washington Herald, was in town Sunday.

Money to Loan—Money to lend in any amount on Farm Land.

BLACKBURN SMITH.

Laces and Embroideries, at Palmbaum's.

Mr. Joseph Moore, who has been here on a visit to his parents, Hon. and Mrs. A. Moore, Jr., has returned to Nashville, Tenn., where he holds a responsible position with a large wholesale drug house.

Silks, Spring and Summer Dress Goods, at Palmbaum's.

Money to Loan—In sums of \$1,000 or more; secured by deed of trust on Real Estate.

Geo. B. HARRISON, ATTORNEY AT LAW, Boyce, Va.

Miss Ella Marlow, of Charles Town, is visiting her cousin, Miss Lillian Marlow, near Castleman's Ferry.

Shades and Curtain Poles at low prices, at Palmbaum's.

Honey—the finest you ever tasted. For sale by I. Bowman & Son.

Mr. P. M. Thompson, of Berryville, and Mr. A. B. Richards, of Winchester, were in Baltimore on business this week.

Leave your subscription to the Baltimore Sun at the Ricamore Store.

Mrs. Henry Jobe, wife of the manager of the Crawford Woolen Mills at Bruce-town, is visiting Mr. and Mrs. E. G. Coiner.

Mrs. Frank Eaton, of Front Royal, is visiting her father, Mr. Will Shackelford, who has been quite ill.

Matings—Special—at Palmbaum's.

DAINTY MUSLIN UNDERWEAR

Nice line of Ladies' Muslin Underwear now in stock.

We can sell it to you cheaper than you can make it, besides the trouble and worry.

Night Gowns 45c to \$2.00.

Skirts 25c to \$2.00.

Corset Covers 10c to \$1.00.

See our HOME GOODS window Hundreds of useful things for the home and kitchen.

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The Farm Well.

The well is a necessity on many farms in Virginia, but it may be a very serious menace to health unless it is properly protected. A great deal of typhoid fever is spread by water, and much of it by well-water. As water at a reasonable distance below the surface, is seldom contaminated except through the mouths of wells, the chief duty of the farmer is to prevent seepage into the well from his mouth and from the surrounding soil.

The precautions for a sanitary farm-well are comparatively few and inexpensive. The location of the well is a matter of prime importance; it should always be situated above the level of the surrounding ground, and so placed that rains cannot wash trash or other waste into it. Furthermore, the well should be walled up with brick or stone, laid in cement, and with the wall projecting about two feet above the level of the ground.

The top of the well should be made water-proof, to prevent any contamination from the surface. In addition, the wise farmer will gain much if he will lay concrete from the edge of the wall for several feet around the well. This will practically prevent any drippings into the well from the surrounding soil. A pump, fitting closely into the well, is preferable to a chain and bucket, as the latter may become filthy from contact with the hands. Where stock is watered at the well, a pipe or water-proof trough should be run for some distance from the well, inasmuch as animals should not be allowed to stand about the well. Cleanliness in the surroundings of the well is of the very first importance.

BASEBALL STRATEGY.

A Bit of Quick Thinking and Good Play on the Diamond.

The quickest thinking I ever saw on a baseball field was done by Tommy McCarthy, the Boston outfielder of years ago. Tom Browne, one of the speediest runners that ever played baseball, was on second base, and New York needed one run to tie the score. Jack Doyle, then a great batter, was at bat, and it seemed certain that a base hit by Doyle would tie the score and perhaps win the game, as there was but one out, and Browne was speedy he could score from second base on almost any kind of a safe hit. McCarthy crept closer to the infield on left, realizing that, although he could throw with wonderful rapidity and accuracy, the chances were all against throwing Browne out at the plate unless he was close and the ball came to him quickly. Doyle drove a hard line hit straight to the left field. Browne swung scudding toward third base. Doyle raced for first, and McCarthy plunged forward at top speed. The fielder reached the ball on its first bound, grabbed it and without stopping or looking threw with terrific force and perfect aim across the diamond into the first baseman's hands. Browne had stopped at third base. Doyle, who had turned first with the intention of sprinting to second, was caught standing still ten feet from first. The next batter went out on a fly, and Boston won the game.

After the game I asked McCarthy concerning the play. "Well," he explained, "Browne is a quick thinker. He saw just how hard that ball was hit and knew he would be thrown out at the plate unless I fumbled. Doyle doesn't think very fast, and knowing that he would turn first and stop to see if I was throwing home, I threw across to first and caught him."

He figured that out while the ball was screaming through the air toward him, probably reaching his conclusions and making the decision in four-fifths of a second.—Hugh S. Fullerton in American Magazine.

Handle With Care.

In her assumed character of mother little Miss Dorothy, "going on five," spanked her new doll so vigorously that the eyes dropped out. This accident seemed to make quite an impression on the young lady, and when it came her turn to be reproved in the good old fashioned way a few days later she glanced up from her mother's knee as the exercises were about to begin and plaintively observed:

"Better not spank too hard, mamma. Member what happened to the doll!"—Philadelphia Ledger.

A Familiar Trick.

"After an absence of twenty years a Chicago man walked in on his wife the other day. She didn't recognize him. He sat down and kicked because dinner was late."

"Then she recognized him, eh?"—Kansas City Journal.

Baltimore & Ohio

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of today will, in ten years, be a business man. If you have a son, it is your duty to train him in business methods, to give him the benefit of your business experience.

See that he has a bank account while he is growing up. There is no other one thing that will give him a better conception of business than having his own bank account.

We pay 3 per cent interest, compounded semi-annually.

Parties living out of the city and who wish to open an account with us may do so by sending us a check on their local bank, a Post Office money order, or an Express money order, and we will then forward them a pass book.

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I am prepared to handle all kinds of electrical work such as house wiring for electric lights, bells, private telephones, machine and fixture installation. Nothing too large or too small.

FIRST CLASS WORK GUARANTEED

Special attention given to the equipping of finished buildings and isolated plants. All this class of work looked after personally and not entrusted to apprentice boys as usual. All wiring installed under the undersigned's supervision and guaranteed to be first class in every particular. Ten years experience in this line of work. Let me give you the benefit of this experience.

Estimates and specifications furnished on request.

A postal card or telephone message will bring full particulars, or a representative.

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IN VIRGINIA'S COUNTRY HOMES.

Many thousands of the Government clerks employed in Washington spend their annual vacation of thirty days at the farm, riverside, or mountain homes of Virginia. They are acquainted with the Old Dominion, or, if not, they desire to know more of the State that is famed for its rural attractions and generous hospitality wherever the English language is spoken.

They are a most desirable class to reach through advertising, and in addition are well paid—receiving twice every month, in currency, one and one-quarter million dollars.

In addition to this class of Washington people there are other thousands, engaged in various business and industrial enterprises, who desire recreation in the summer months.

You can reach these people most economically and effectively through a Want Ad. in

THE WASHINGTON HERALD

at the small cost of 1 cent a word each insertion, or 5 cents per line if ordered for thirty times.

The Washington Herald has the largest morning circulation—by over 10,000—in the District of Columbia, and it is essentially a home circulation. Address communications to

WANT AD. DEPARTMENT, THE WASHINGTON HERALD, WASHINGTON, D. C.

Loth's Delight Steel Ranges

Buying a Steel Range is about the same as buying a suit of clothes. If you want a cheap suit, to last during the summer—you buy a cheap suit at a cheap price. If you want a cheap steel range, to last a year or so, you buy a cheap range at a cheap price. If you want a Steel Range to last indefinitely, wear perfectly, and give satisfactory results at all times—you will buy LOTHI'S DELIGHT.

REPAIRS—Give us the name and number of your stove or range, and we can furnish repairs at the lowest possible price, no matter where made.

MRS. J. W. MARKS Near Depot Berryville, Va.

THE MIRAGE.

Conditions That Make Possible This Beautiful Illusion.

About that natural phenomenon, the mirage, much mystery clung in days of old, but science explains it as readily as the rainbow.

The fata morgana of the strait of Messina and the specter of the Brockton were nothing more in sober reality than mere mirage.

A mirage may occur at any place where the denser stratum of air is placed above the lighter stratum, thus refracting the rays of light, the common surface of the two strata acting as a mirror.

In looming mirages distant objects show an extravagant increase in vertical height without alteration in breadth. Distant hummocks of ice are thus magnified into immense towers and pinnacles, and a ship is sometimes abnormally drawn out until it appears twelve or thirteen times as high as it is long. Rocks are seen drawn up to ten or twelve times their proper height. Houses as well as human beings and animals appear in like exaggerated shape.

Another form of mirage is when a ship or some other object near the water seems greatly elongated and a second inverted image meets it from above.

Sometimes the proper image of the object is elevated far above the sea, while the second image strangely appears inverted beneath it, the whole surrounded by a sheet of sky which is mirrored and repeated within it.

In 1882 in the arctic region Captain Scoresby recognized by its inverted image in the air his father's ship, the Fame, which afterward proved to be seventeen miles beyond the visible horizon of his observation.

One August evening in 1806...

Faithful Girl.

"You know, Miss Blank," said the proprietor of a railroad station restaurant, "there is a great deal in having your sandwiches look attractive."

"Yes, sir, I know it," replied the girl; "I have done everything I could for my morning for the last ten days every morning."

"Harper's Weekly."

Nautical Learning.

Little Mermaid—I have read of the origin of the papa shad, but I can't find how the mamma shad was created.

Mamma Mermaid—She was fashioned from a rib of the papa shad. Little Mermaid—Gee whiz! I'll bet he never missed it!—Boston Herald.

An Ambidextrous Liar.

H—Jim Tagwood says he has juggled ten eggs 't wunst—keep 'em all in 't' air an' never smash a one! S!—Gee! He must be ambidextrous! H—By gum! He is! If that's Greek for "blamed hart!"—Chicago News.

Man's chief wisdom consists in knowing his follies.—Rochefoucauld.

Enthusiastic Photographer.

Fair One's Father—Why did you bring that kodak with you? Poor Lov—er—that I might catch your expression of astonishment when I asked you for your daughter's hand.—Flegende Blatter.

The hearts of the people are the only legitimate foundation of empire.—Chinese Proverb.

Home Course In Modern Agriculture

XIV.—Some Points on Stock Feeding

By C. V. GREGORY, Agricultural Division, Iowa State College

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In order that the feeds fed to stock may be used to the best possible advantage it is necessary that they should be of the proper kinds and fed in the proper amounts.

One of the important things to take into account in determining the value of a feeding stuff is its digestibility. Some feeds, such as oat straw, are not more than 50 per cent digestible, while in the case of the corn grain over 90 per cent is used by the animal. Feeds with a high percentage of digestibility, like the grains, are called concentrates, while those with a large amount of indigestible crude fiber are called rough feeds.

Every animal must have a certain amount of roughage; otherwise the grain would lie in the stomach in a heavy, sodden mass, which could hardly be penetrated by the digestive juices, and indigestion would be sure to result. The crude fiber, while indigestible in itself, dilutes the more concentrated feeds and greatly hastens the process of digestion. The rougher feeds are able to obtain a large share of their feed from roughage. Horses use considerable, though owing to their smaller stomach they cannot use as large quantities as cattle do. Swine are usually regarded as grain eating animals, yet they, too, do better for having some roughage. Mature hogs will maintain themselves on a good rape or clover pasture without any grain at all, and fattening swine will make greater gain if fed on pasture.

When grain is high in price the saving effected by the purchase of some supplementary feed rich in protein will usually much more than pay the cost. In buying feed to balance corn or other grain the chief consideration should be the amount of digestible protein which it contains. Ash is also important, especially if it is to be fed with corn, which is low in ash. By dividing the price per ton of a feed by the number of pounds of digestible protein in a ton the price per pound of protein is easily determined. Thus the comparative cost of protein in the different byproducts can be figured out and the one used which will furnish it in the cheapest form.

For hogs there is probably no better or cheaper source of protein than tankage or meat meal. A ration of one part of this to ten parts of corn is an ideal one for fattening hogs. For growing pigs the amount of tankage should be doubled and some skim milk added if it can be obtained. Milk is an almost perfect food for all young stock, and the farmer who has a large supply of it has a big part of his feeding problem solved.

Another feed that is invaluable for young pigs and calves is dried blood or blood flour. Nothing else will stop scours so quickly nor do so much toward starting along an unthrifty pig or calf.

A feeding teaspoonful of a feed is enough for a young calf, with proportionate amounts for the pigs. The reason that these packing house byproducts are especially valuable for young animals is because of the large amount of ash which they contain. The use of such feeds insures strong bones and healthy, vigorous animals.

FIG. XXVII.—THERE IS NO FOOD BETTER IN WINTER THAN PASTURE FOR SWINE.

In winter, when pasture is not available, hogs will eat considerable amounts of clover or alfalfa hay if they can get it and will be healthier and make better gains for having it.

Another important quality in a feed-stuff is its palatability. Stock will make greater gains on feeds that they like, even though they contain no more nutritive material than those that are not so palatable. Closely related to palatability is succulence or juiciness. Cows give a large flow of milk on pasture not so much because of its high feeding value, but because of its succulence and palatability. Stock of any kind will not make the best use of their feed if given nothing but dry hay and grain.

The most satisfactory means of providing succulent and palatable feed during the winter is by the use of the silo. Silage has a high feeding value and is cheap, since from eight to twelve tons can be raised on an acre. It finds its greatest use as a feed for dairy cows, but also makes a profitable addition to the ration of nearly all classes of stock.

The most important point to consider in preparing a ration is the relative proportion of the different constituents. Fats and carbohydrates are interchangeable and can be considered together, since they both go to furnish heat and energy or to build up animal fat. Neither of these substances, however, can take the place of protein, since neither of them contains nitrogen. To build up the muscles, organs and other parts of the body which require this element considerable protein must be fed. The ordinary feeds found on the farm contain too little protein in proportion to the other substances. To secure the best results a balanced ration—that is, one in which the amount of protein is in the proper proportion to the amounts of fats and carbohydrates—must be fed.

It can readily be seen that what is a balanced ration for one class of stock may not be for another. Young calves, for example, require more protein and ash in their food than do mature animals. A work horse needs large amounts of fat and carbohydrates to supply him with energy, but he also needs considerable protein to repair his muscles, which wear out very rapidly. A fattening steer needs only a minimum amount of protein, since he is neither growing nor using his muscles. A milk cow needs a great deal of protein and ash to use in making milk, together with a liberal amount of the other constituents, to supply energy and to make into butter fat. A pregnant animal is in especial need of protein and ash to use in building up the bones and flesh of his offspring. All animals need large quantities of the heat forming elements in the winter in order to keep the body warm.

Another important point, one that must not be lost sight of in preparing rations for any class of stock, is the cost. It makes no difference how digestible, palatable or well balanced a



FIG. XXVIII.—CLOVER PASTURE IS AN EXCELLENT FOOD FOR SWINE.

A lack of ash is the chief fault that can be found with the corn byproducts, such as germ oil meal and gluten feed. For this reason these feeds are not so valuable for milk cows and young stock, although they are all right for fattening animals. Oil and cottonseed meals contain more ash than the corn products, but not so much as tankage. They are usually a cheap source of protein, especially valuable for fattening animals. In tone, the hogs love and the coat sleek and glossy. Cottonseed meal should never be fed to hogs, as they often die from eating it.

There is nothing better than clover pasture to balance the ration of fattening swine. Clover pasture, with perhaps a small allowance of grain, is an ideal feed for milk cows, calves and colts. The little pigs will learn to eat it also, but will need considerable grain and skim milk in addition if they are to make rapid gains. Clover hay and corn is a ration for fattening cattle and sheep that cannot be beaten. Clover hay and silage, with a little corn and oil meal added, is a first class winter feed for dairy cattle. Even for horses clover hay, if not dusty, is the best of roughage. Its liberal use for all classes of stock will reduce the cost of feeding and add to the profits. So it is evident that the wise farmer will not neglect to provide a clover pasture that is ample

Self Tending Beacons.

The acetylene lighted buoys of the Swedish coast keep in action seventy days without renewal of the single tubes of fifty liters of dissolved acetylene. Ingenious automatic lighting makes this possible. A bright reflecting surface and a black absorbing one give unequal expansion by daylight, thus closing a valve and shutting off the gas, but at night this action ceases, the valve opens, and the gas, automatically lighted, continues burning.—Cleveland Plain Dealer.

Not Silent.

"I am sealing this letter with a silent kiss," he wrote to her, and just then he dropped a little of the hot wax on his thumb and let out a howl of pain that could be heard clear around the corner.—Cleveland Plain Dealer.

Psychology of Dreams.

Dreams go by contraries, but they nearly always agree with what we eat.—Birmingham Age-Herald.

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