

# WITH THE VETERANS

**Two hands up the breast.**  
**And labor's done.**  
**Two eyes for work in rest—**  
**The race is won.**  
**Two ears with weight-shut.**  
**And all tears cease.**  
**Two feet in peace.**  
**And all wars cease.**  
**Two hearts in peace.**  
**And all wars cease.**  
**Two souls in peace.**  
**And all wars cease.**

**Two hands to work around.**  
**Two eyes for his prize.**  
**Two ears for his rest.**  
**Two feet for his walk.**  
**Two hearts for his love.**  
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wounded, the official report shows that thirty-two were saber cuts. Gen. Pleasanton, who commanded all the cavalry of Meade's army at Gettysburg, stated to me, at his home in Washington, in 1883, that the engagement at Hanover was in every sense a battle, and was one of the chief causes that decided the great contest between the invading army, under Lee, and the Army of the Potomac, under Meade, who was to take place. His headquarters on June 30, 1863, when the fight took place at Hanover, were sixteen miles to the southwest, at Tarrytown, Md., and near the headquarters of Gen. Meade, the Sixth corps, under Gen. Sedgwick, was twelve miles south of Hanover. Gen. Sigocum, with the Twelfth corps, was at Littlestown, seven miles southwest of Hanover. These facts, obtained from official reports, will show the condition of affairs when the battle at Hanover ended and Stuart found himself in close quarters and in danger of capture.

**One Christmas Week.**  
 "Speaking of Christmas week," said Sergeant Sam Grimshaw, "companies B and C of our regiment, the Fifty-second Ohio, were on picket duty on Christmas eve, 1862, on the College pike, west of Nashville. It was cold and the wind was from the north. The Doc Mercer wrapped up in his blanket, and lay down, feet to the fire. As he went to sleep he straightened out, getting his feet so close to the fire that the heat drew the soles of his shoes off, and almost blistered his feet. When he awoke he couldn't grasp the situation and jumped up and went through so many contortions that the boys thought he had gone deaf. They didn't know he had hot feet, and at first he had little sympathy or assistance. But when the boys understood the case, Doc was well cared for and went to camp the next morning with his feet done up in rags.

While Bob Mercer was standing his trick on the pike, between 8 and 10 o'clock p. m., there came to the lines, from the city, the colonel of a cavalry regiment, camped that night out near the college. The colonel had gone to the city in a pass in the afternoon, had overstay his time, and was returning without the counterpane, but pretty well loaded with commissary whiskey. He undertook to ride through the lines, whether or no, and Bob pulled down on him, but his horse, in the excitement, reared up and standing with him came to a ready, when the colonel sobered on the instant, wheeled his horse and wanted to know if they were going to kill him then and there. Mercer answered him, if he tried to force his way through the lines. He went back to his quarters and in about an hour came out with the counterpane. Who was he? We never knew. The cavalry regiment was at the college, ready for the advance the morning after Christmas, and went out of our range to do a good deal of fighting in the next week."—Chicago Inter-Ocean.

**Sheridan's Ride.**  
 The claim made by George Mixell that he started Gen. Sheridan on his famous ride is criticized as follows by a Chicago Chronicle correspondent:

"The letter on Sheridan's ride recently published contains some misstatements or inaccuracies that are often printed in such small compass. Such statements are now passed for facts and a generation has grown up which, while much interested in the history of the war and, in fact, eager to read anything of the actions of the great leaders, has not the means to differentiate fact from fiction.

"In the first place, the writer of the story places the historic Cedar creek 'near Winchester,' when it is twelve or more miles from Winchester and to the south. 'City Point,' where Grant was, is about twenty miles south and west of Winchester, in West Virginia.' Think of that! The story has Sheridan leave Fairfax at 2 o'clock in the morning, when Sheridan in his memoirs says that he left Winchester at about 9 o'clock in the morning.

"This man says he (the teller of the story) was at Fairfax, and gleefully relates how Sheridan seemed put out when he heard the sounds of cannonading, as if distant thunder, when aroused from sleep. No wonder this incident is the old veteran's most treasured memory of the war, for, again, no wonder he delights to tell how he sent Sheridan galloping down the valley at 2 o'clock in the morning of Oct. 19, 1864. Sheridan went up instead of down the valley."

**Pete's Advice.**  
 When Grant's army left Milliken Bend, on the Mississippi river, to march by Vicksburg and eventually to cross the river at Bruinsburg, the roads were almost impassable, and teams, pack mules and men were plodding along, talking with their panting nostrils and the rain. An interested group of soldiers had gathered around and, presently an Irishman came up and was eyeing the situation with keen interest. The cook broke the silence: "Pat, what would you do?"

"Well," said Pat, "I think I'd turn him over and sop him on the tother side."

**New Governor at Leavenworth.**  
 The board of managers of the National Homes for Disabled Volunteer Soldiers has approved Col. James M. Cooke to the governorship of the National Home at Leavenworth, Kan. The former governor, Col. J. G. Rowland, died a few months ago.

**Old Times Did Good Work.**  
 Truman Miller of Versailles, Va., has recently shagged his horse, the first time it has needed it in sixty-two years. The shingles that were on it were made by his father, and were put on with old-fashioned nails.

**Miss's Long Service.**  
 Will Messer of Henry County, Mass., has a Missouri mule that is 35 years old. The animal still does its share of farm work.

# LIVE STOCK

**Indiana Corn Growers Meet.**  
 The Indiana Corn Growers' Association met at Indianapolis early in January.

A number of very interesting papers were presented and much of the time at the first session was devoted to the discussion of a score card, Indiana's exhibit at the world's fair and the raising of corn for feeding purposes.

One of the most interesting talks was that of Prof. Rankin of the Illinois agricultural college. He insisted that the score card is of importance in that it calls attention to the essential points to be observed in the selection of seed corn. According to the Illinois score card a perfect ear should be 10 1/2 inches long and 1 1/2 to 2 inches in circumference. The ear should yield 88 per cent of grain. It should taper but slightly and should be well filled at both ends, with straight rows and wedge-shaped grains. Corn growers should select seed ears of the one color, uniform in size, with grains as nearly of the same size as possible. Mixing should be avoided, and the best way for the farmer to improve his corn is by very careful selection.

Prof. A. T. Wisnacko, in discussing the breeding of corn, stated that the experiment station at Purdue is now carrying on a number of breeding experiments in increasing the different constituents of corn. If a farmer wants to raise corn to sell to a starch factory, he should select seed in which there is an unusually large amount of starch matter in the kernels. For feeding and fattening, corn should be selected with large hearts and a considerable percentage of protein.

Feeding cattle for the best markets was discussed by A. O. Lockridge. He advised selecting two-year-old steers, with special reference to their ability to produce high-priced cuts of meat. When preparing animals for export trade farmers should use whole corn which has been crushed or soaked, as this will be made use of freely by healthy animals. The ration of fattening should be varied so as to keep up the appetite and induce animals to eat large quantities. He does not believe in feeding silage largely to animals intended for export, but prefers plenty of bluegrass pasture and a little concentrate in the ration.

Prof. J. H. Skinner of Purdue university suggested that clover hay, bran and other protein feeds should be fed with corn, in order to make beef more economically. Great care should be taken in feeding young animals to supply the elements most essential to rapid growth.

At this corn growers' session farmers and stockmen were urged to attend the second corn school and stockmen's convention, held under the auspices of the Corn Growers' association at Purdue university, Jan. 25 to 30. The best authorities on corn growing in the middle west will be present and give instructions.

The following officers were elected: President, H. F. McMahon of Liberty; vice president, B. F. Malah of Frankfort; secretary, Scott Meeks of Shelbyville.

**Growing Peanuts.**  
 The peanut is a forage and pasture plant rapidly and extensively becoming popular with the Texas farmer, says B. C. Pittuck in a Texas bulletin. Being a legume, it exercises a beneficial effect on the soil, and at the same time furnishes a highly nutritious and palatable feed for stock as green feed or as hay. Peanuts are partial to loose soils of a light color. The land should be well drained and not too rich in vegetable matter. Barnyard manure should be used only in small quantities. Fertilizers should be used judiciously. Dark soils have a tendency to produce dark-colored nuts, and light soils light-colored nuts, the latter having a higher commercial value. In the growing of peanuts the vines should be cut and the manure will be found profitable application when used judiciously. Dark soils have a tendency to produce dark-colored nuts, and light soils light-colored nuts, the latter having a higher commercial value. In the growing of peanuts the vines should be cut and the manure will be found profitable application when used judiciously.

**Live Stock Husbandry.**  
 One of the important foundation stones of agriculture is live stock husbandry. By many this is believed to be the most profitable branch of farming. Some practice the feeding of all the feed that is produced on their farms, but the probability is that if they tried to farm without live stock runs the chance of impoverishing their lands. This has sent more than one nation into decay. Still, to raise live stock successfully one must have a good pasture and lack business. There are some farmers who have not adapted only to short rotations and growing because they have to work only a few months out of the year and have the balance of the time in which to rest. Such men are blamed, sometimes because they do not go into stock raising in addition to grain raising. The probability is that if they did go into the raising of stock they would neglect it and lose money. By bad methods it is easy to lose money rapidly in stock raising. Every man that is willing to study his work and has had experience in the general work of farming can go into the business of breeding and feeding farm animals with good chances of success; but before taking such a step the full cost should be counted.

**The Unbalanced Ration.**  
 The fact should not be overlooked that the ration is not the most important relative market price of feeds and the animals that are to be fed. For instance if corn is very cheap the feed-er will not be justified in paying high prices for mill mixes to fattening steers, unless it be for the finishing period. The carbohydrates that he would waste are too cheap in 15 cent corn to justify him in buying high priced protein to save them. But generally, feed-ers containing enough protein at a reasonable price can be had on the market at a price that will justify an approximate balanced ration in the majority of cases. Besides the loss of food nutrients, there are detrimental results caused by an unbalanced ration. Growing stock stunted, dairy cows are dried up, in breeding stock the entire system is weakened, etc. For such cases as these the balanced ration will pay even if it is necessary to purchase such feeds as oil meal, etc., that are generally considered high priced.—J. C. Burris.

**First Laying of Ducks.**  
 From the Farmers' Review: Our experience with ducks is that they do not make any nests at the first laying or early in spring, and if it is desired to get hens eggs, the ducks must be penned up every night, as they lay very early in the morning. If during the night they lay in the brook or wherever they may be. Later in the summer some of them will make nests and will probably get broody. Straw or leaves or slatery cover will serve as material out of which to make nests.—Charles Smith, Parke County, Indiana.

**Catholics in America.**  
 There are about 11,000,000 Catholics in the United States.

# HORTICULTURE

**Value of Style in Fruit.**  
 Benjamin Newell, a Chicago fruit commission merchant, in a paper contributed to the last session of the Illinois state horticulturists, said:

Quality pays; style pays still better; and both together best of all. You growers know this, but probably you realize it scarcely readily. For instance, recently we received a carload of apples most of which sold at \$3 per barrel, but in that car were some that sold at \$1.50 per barrel. Both were called No. 1, but the \$9 apples were high in flavor and color, and the \$1.50 apples were high in appearance, but unattractive package and dully packed. The \$1.50 apples were round, but were dull and uninviting in color, of poor flavor and put up in a slovenly looking package and were poorly packed.

We sold Scotch pears at \$3 and \$2 per barrel, also the same day, and we got full price on both. It was quality and style that made the difference. Not once, but many times we have sold Jonathans, sound and freshly received the same day at \$2 and \$10 per barrel. In fact, this very thing is one of the main reasons of our trade. Few shippers realize the value of just a little Nature's tinting on the skin of an apple or how slight a difference in this line will make a difference of from 50 cents to \$1.00 per barrel in the price.

As you see, you sold John Jones apples at \$5 per barrel one day, and got only \$4, both packed by the same man on the same day, the orchards within a mile of each other. How is this? What a hopeless task to reply to such a question! "My apples were just as good as his, just as large, just as sweet, just as firm, just as packed with just as good cooperation." All this is true, my friend, but they were worth \$1.00 per barrel less in our market just the same and are harder to sell at the difference. And why? It is excellence set off by style. That is why you are so successful in the far west outside the best sections of the middle west. It may not have more intrinsic merit, but it has style.

Quality pays. Choose your varieties wisely; take pains with your orchard and with the care of the fruit, and above all cultivate style in fruit packing and package, and when to this style you add quality, you have a combination that will sell your fruit at prices that will often surprise you.

**Forest Regeneration.**  
 The object of forestry is to utilize to the fullest extent the produce of forest land, and at the same time to maintain the conditions which render forests beneficial, says a report of the Rhode Island station. Utilizing the timber as much as a part of forest management as is inducing the growth of new trees, and protecting them during their growth. The important consideration of how to replace the trees when cut is known as forest regeneration. Two methods are available, the artificial and the natural. The former utilizes the natural growth of the forest by means of seeds sown and covered by hand or by means of planting trees. Both these methods are too expensive to be used except where no other plan is possible. Manifestly on the open prairies they are the only methods available for the rearing of trees on land where no trees now grow. Natural regeneration is the more common method, and the one more practicable under normal forest conditions. It may be by means of shoots or by means of seeds. The former utilizes the natural growth of the forest by means of seeds sown and covered by hand or by means of planting trees. Both these methods are too expensive to be used except where no other plan is possible.

**At Farming Time.**  
 In an address to Kansas farmers John Cowie said: Have your pigs come about the same time—within a week or two—so that they will all be of one age and one size. That is one great secret in successful swine raising. It will save a great deal of difficulty in caring for them, and you will have a great deal of trouble at farrowing time in losing sows. I remember one year I lost fifteen sows that could not give birth to their pigs. You have all, no doubt, had trouble of this kind. I have lost some valuable sows, finely bred, because they could not give birth to their pigs. At that time I did not know what the matter. Now I know all about it. I never lose a sow now in farrowing—not one. There is no grain producing that is more fat-producing than corn. We fed our young hogs altogether too much corn. The reason that these sows died was that they had been fed too much corn and their pigs were too large and fat, and they could not give birth to them. I had fed corn, as my neighbors had done. Now I feed only feed an ear to my brood sows. They are not fed a great deal and there is no trouble in farrowing; haven't lost a sow for a dozen years. I feed a sow to make bone and muscle. I am not feeding the sow then; I am feeding the embryo pig, and what I want in that pig is bone and muscle. I remember I had fifty sows farrow in two weeks; had as fine a lot of hogs as I ever raised. I was proud of those hogs.

**Difference in Soil.**  
 One field of a farm may have a soil that will hold but half an inch of water, while another will hold two inches out of the ten inches that may fall. Crops grow differently on these two soils.

**The finest class of animals of any kind deteriorate if poorly fed and cared for. This is the case with many a man's failure to get out of highly-bred animals as much as he expected.**

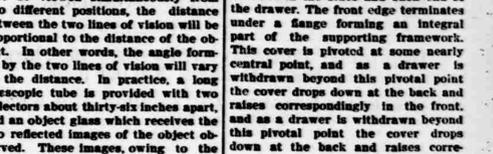
**Prof. Shaw says: The breeders of the Saxony Merino sheep obtained a fair staple in the wool from the breeders of other types of Merino sheep, but they did so at the sacrifice of vigor.**

# NO LOSS ON TELESCOPE

**Keeps Out the Dust.**  
 Invention of Practical Vases to the Housewife.

Many a housewife and museum curator has had good reason to regret that drawers as a rule are neither dust nor vermin proof. To have your treasures, books or unvalued specimens ruined when they were apparently secure from anything less than a fire is disheartening to say the least. Two Swedish inventors of Providence, realizing the field that exists for a dust and insect proof drawer put their ingenuity to work and have evolved a very simple but effective construction. The essential feature of the construction is a wooden or metallic cover for each individual drawer. Three edges of this cover, the sides and the rear, are provided with a downward extending flange, adapted to close in the sides and back end of the drawer. The front edge terminates under a flange forming an integral part of the supporting framework. This cover is pivoted at some nearly central point, and as a drawer is withdrawn beyond this pivotal point the cover drops down at the back and raises correspondingly in the front, and as a drawer is withdrawn beyond this pivotal point the cover drops down at the back and raises correspondingly in the front.

A rather interesting distance-measuring telescope has been recently patented which would seem to have many practical applications. The fact that the distance of an object—say a ship at sea, or a spire seen above the house-tops—may be determined instantly and without calculation by this device places the glass in a class by itself. The instrument is based on the law of optics, that if the same object be viewed simultaneously from two different positions, the distance between the two lines of vision will be proportional to the distance of the object. In other words, the angle formed by the two lines of vision will vary as the distance. In practice, a long telescope tube is divided into two reflectors about thirty-six inches apart, and an object glass which receives the two reflected images of the object observed. These images, owing to the disposition of the reflectors, appear on the object glass one above the other, and the horizontal distance between them is proportional to the distance of the object. A micrometric scale—determined by actual measurement for one point, say a mile, and computed for the other distances up to the limits of visibility—is superimposed on the object glass, so that the distance of the object can be read off accurately. For convenience



**Distance-Measuring Telescope.**  
 The telescopic tube is supported on a standard in such a manner that it can be readily lowered, or raised, or adjusted instantly to any part of the horizon. Suitable lenses are used to enable distant objects to be viewed without effort.

**Invented by a Woman.**  
 It is so easy in cities and towns whenever a loaf of bread is needed to slip out to the store and buy a fresh loaf that comparatively little baking of bread is done in the home of the country nowadays. Once in a while some one will complain that baker's bread is not as good as home-made, and call for the latter, but the exception to the rule is so slight that it makes no impression on the enormous quantities of bread that are baked in the large factories every day. Indeed, the demand for the manufactured product has grown to such an extent that it would be almost an impossibility to find bakers enough to knead the dough by hand in the old-fashioned way, and machines have had to be introduced to mix up the flour and water and raise material. One machine shown in the drawing has been designed by a woman for this work, being operated on much the same principle as the old method of using the hand, and is especially adapted for use in the home. The driving shaft is geared to the dough container, so that the latter is revolving constantly, and each plunger has a cam body on its upper portion, which is grooved on its face in such a manner that the plunger rises and falls as the shaft revolves. It is necessary to remove the mixture from the container the plungers are elevated simultaneously by means of the counterpoise weight, the gear wheels which revolve the plunger shafts being disengaged as the plungers rise, and remaining out of gear until they are again lowered into the mixing trough.



**Electricity a Disinfectant.**  
 An Italian scientist claims to have established that electric tramways are great mediums in the disinfection of towns. He points out that the electric spark, which is so frequent an occurrence in the overhead trolley, and the emission of light from the trolley when the rails are used for the return current transform the oxygen of the air into ozone which has a purifying and disinfecting influence. The high discharges, he says, are frequent enough to influence greatly the atmosphere, especially where the line passes through narrow thoroughfares. They become antiseptic agents.

**With the Scientists.**  
 The Smithsonian Institution's expert pronounces the meteor which fell at Lodi, Cal., not only genuine, but the largest ever found in the United States. It weighs between ten and twenty tons.

**Dr. Johnstone Stoney has calculated by application of the dynamic theory of gases that any water vapor introduced into the atmosphere of Mars would escape into space, the gravitation being insufficient to retain it.**

**M. Bernard reports that he finds arsenic is a constant constituent of the organism, and that all parts of the hen's egg contain appreciable quantities of arsenic. In the 120th of a milligramme found in one egg from one-half to two-thirds is found in the yolk.**

**Tiffany's diamond expert recently, during a lecture in New York city, showed radium glowing through a glass tube, a rubber tube, a piece of lead pipe, a piece of iron pipe, three copper cylinders and a jar of water, the wonderful substance apparently shining as clearly through all of these substances as if it did through any one of them.**

**"None for Mr. 'Really, Mrs. O'Toole," said Mrs. Naybor, "you should send little Dennis to the kindergarten."**

**"That looks as if a thing is that?" demanded the contractor's wife. "Kindergarten? Oh, that's simply German for—"**

**"Enough said, ma'am. O'll hov no Dutch in moine, thank ye kindly, ma'am."—Philadelphia Ledger.**

**Prof. Lapworth, regarding the moon with a geologist's eye, feels convinced that it is an active and living world.**

**By using Portland cement to plaster your house, it would make a far better job than doing it with lime, for Portland cement would stand the weather far better. All cement work, where it has a large surface, or where the first frost comes, is to be done without any joints or openings in them, are apt to crack, and plaster will do the same, especially where the heat of the sun is great. Rough casting or plastering on the outside used to be quite common, but of late years it is seldom done.**

**Peppermint Culture.**  
 J. C. R.—Will you please give data about how best to propagate peppermint whether by seed and cuttings, or seed alone, and how cuttings are managed?

**The peppermint is propagated exclusively by sets which are in reality cuttings of the running root stocks. These root stocks are cut into short lengths and are sown in drills fifteen or eighteen inches apart. The soil should be rather moist and cultivation the first year should be thorough as if one were growing carrots or beets. The crop ought to be renewed every three or at most four years; that is to say, the field is likely to run out in that length of time.**

**Drying Damp Grain.**  
 A farmer who had a quantity of damp corn on his hands discovered that it could be quickly dried by placing drain tiles in the crib along with the grain. After a layer of a few feet of corn he placed a layer of a few feet of drain tiles. The corn was then dried either horizontal or parallel, with sticks running through to keep them in place. The tiles permit a free circulation of air through the grain and absorb a large amount of moisture. The scheme is said to be admirably adapted for cribbing soft corn, and the grain always dries out without the least heating. The scheme is also applicable to a bin of damp oats, buckwheat or other grain.

**Hens Eating Eggs.**  
 E. R.—What is a good method of curing hens of eating their eggs?

**Ans.—First of all, have darkened nests so arranged that the hens have to make two or three turns in their way into the nests; then place four or five crockery or earthenware painted white in each nest. If this is not enough, pare the points of the fowl's bill until they are tender, so that they will not enjoy pecking a crockery or stone egg.**

**A Driven Well in Quicksand.**  
 J. M. T.—In driving a well, would it answer to cease driving when quicksand is reached, or should it go lower?

**It is rather hazardous to have quicksand at the bottom of a well. It would be much safer to pierce the quicksand deposit and reach a more stable stratum.**