AGRICULTURAL

More Room in the "Tie Up."

The "tie ups" in old-fashioned barns are almost always too short in depth to give proper chance for cleanliness or for comfort in caring for the cows. Figure 1 shows a cross section of the

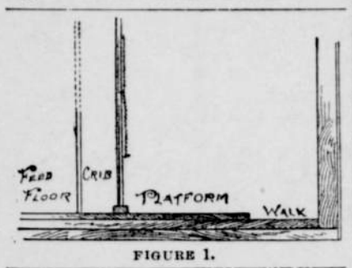

FIGURE 1.

old-fashioned tie up. There is a narrow walk in the rear, always slippery and dirty from the absence of a gutter for the manure. Figure 2 shows a change of plan that is easily accomplished. The cattle are moved ahead so that the tying post comes at the edge of the feed floor and the platform is raised, giving a chance for a manure gutter behind the platform and for a raised walk that is always dry and clean. The cribs occupy space in the

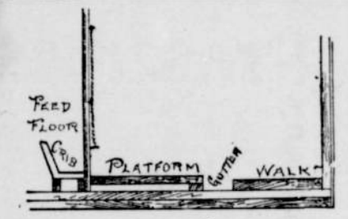

FIGURE 2.

feed floor, but are made so they can be removed in haying time, if desired, so that the hay teams can be driven into the feed flood. The plans speak for themselves, and show an easy way to improve the conditions in many old barns.

Setting Out Strawberries.

By many October is regarded as the best month to set out strawberries, especially in the middle and southern portions of the cotton belt. It is a hardy plant and will make considerable growth between this and Christmas. Select plants from this year's runners; never set out an old plant; an old plant is easily recognized by having more or less dark roots, while those of young plants are yellow. The land should have been thoroughly prepared and highly manured, with well rotted cow manure or with ground bone and kainit, or with ashes in place of kainit if ashes can be had. Lay off drills 3 feet apart and set plants 15 to 18 inches apart in drills. Trim off most of the leaves and shorten the roots some, if very long. Puddle roots in mixture of clay and water; spread out in furrow, cover with a little dirt and press firmly on them, then fill furrows so that crowns of plants will be a level with general surface or a shade below it; never set so deep that the crown or bud shall be covered with dirt.—Southern Cultivator.

Swedish Ducks.

The Blue Swedish ducks originated in the extreme northern part of Europe, and it is claimed are a cross of the common German farm duck and the Rouen, having received additional blood from the wild blue teal. They are very hardy, can stand any climate and produce eggs on almost nothing. They equal at least, if not surpass the famed prolific Indian Runners as layers. This is the case with us anyway. Their young are hardy from the start and seem to thrive even under bad conditions. They will live under mistreatment when Pekins will get cramps or rheumatism. As to size they

SWEDISH DUCKS.

fully equal any Pekin or Aylesbury that ever lived, and the meat, having teal and Rouen blood, is surpassingly tender and well flavored; no stringy, oily meat like fattened Pekin ducklings.—Orange Judd Farmer.

Food for Young Pigs.

While there can be no better food than skim milk with shorts or middlings mixed in it for young pigs which do not get enough milk from the sow, if the milk is scarce water may be used instead, and if it is given about blood warm they will grow all the faster in cold weather. At first the slop should be quite thin, that they may suck it down as if it were clear milk, but as they grow older it may be made thicker. Do not add cornmeal to it unless you want them to stop growing and begin to fatten. This extra feed not only helps the growth of the pigs, but makes it much better for the sow. Never allow the slop to get sour or even stale, and feed no more than they will eat up clean. The trough should be placed for the pigs where the sow cannot get to it. Even though there is room enough at her trough for them to eat at, it is better that they have a separate trough. It should be low enough so that they can easily reach the food, and there should be a platform of two or three planks for them to stand on. Clean the trough each time before putting the feed in.

Learning to Milk.

When a stranger begins to milk a cow it usually results in some decrease of milk production, though he may be a good milker. The better the cow the more likely she is to be of a nervous temperament, and the more she is apt to be affected by a change in handling, milking or surroundings. If the new milker lacks experience it usually results in a permanent shrinkage of the milk yield and early drying off of the cow. But it is necessary that the boys should learn to milk if they are to remain on the farm, and therefore they should be set to learn upon such cows as will naturally dry off soon. Do not give them heifers with their first calf, as the heifer should be kept in milk as long as possible, to get her in the habit of giving milk ten or eleven months in a year. Do not give them hard milkers or kickers, or the uneasy ones which never stand still. That is too much like giving them dull hoes and scythes or other tools to work with, that no man would consider fit to use for a day's work. It is calculated to disgust them with the business, and drive them to seek other occupations as soon as they are at liberty to leave home. When it is not practicable to give them such a cow, allow them to partly milk her, and then let some experienced milker finish the job, who will be sure to obtain the last drop.

Preserving Wagon Wheels.

Farm, Field and Fireside tells of a method of preventing wagon wheels from shrinking in dry weather, which a North Carolina man says avoids the necessity of having tires reset, and in this way soon saves itself in blacksmith bills besides preserving the wagon.

The trough, shown in the illustration, is made of sheet iron. In it he puts a supply of pine tar, which is heated over a fire to a boiling heat. The wheel is then jacked up, the trough placed under it and the wheel lowered so that the tar will cover the felloes. The wheel is then slowly turned in the tar, which fills every nick and crevice in the wood and between the wood and tire, thus making it impervious to moisture or

TARRING A WAGON WHEEL.

air. With a brush the hub is also treated with a coat of tar, and if the wagon is old the spokes also in lieu of paint.

Farm Notes.

One of the best modes of destroying Canada thistles is to pour a gill of sulphuric acid in the crown of each plant. The acid destroys the plant clear down to the roots, and there are but few plants that will survive the treatment. The cost is little, but in using the acid one must be careful. It should be applied from a bottle or some other vessel made of glass.

If the strawberry bed has been overrun by grass and weeds the best thing to do is to burn the bed over late in the fall, and next spring the strawberry plants will get a good start. The weeds and grass will render any strawberry bed useless and unprofitable if something is not done to give the strawberry plants an opportunity to get ahead in the spring. Mulching will also be serviceable on the bed.

Those who are giving small patches of celery their attention will find soapsuds excellent. The prize winner at one of the leading State fairs, whose celery was far superior to all others, and who was successful in winning every year, for a long time kept his methods secret, but for a consideration he made known that in addition to the use of manure fertilizers, etc., as usually practiced, he applied the soapsuds to the celery on wash days. The same treatment is also excellent for asparagus.

It is claimed that when a farmer endeavors to secure an all-purpose cow he fails to have one that is good for a single purpose. Just as soon as two breeds of animals are crossed the result is progeny that is inferior to both parents. A breed of cattle adapted for beef production can not be improved with a breed adapted for milk and butter production. It is better to use each breed for what it is intended, as it will excel in one line only, being destroyed if bred with some other breed.

In the Horseless Future.

The following is the Chicago Tribune's prognostication: "What was the matter with that cab driver you were called to see last week?" asked Doctor Squills. "As nearly as I can describe his case," answered Doctor Kaliomel, "it is automobiliousness."

The Isthmus of Panama.

Its engineers believe that they have solved the problem of the successful completion of this great enterprise. If so, it will prove a great benefit, no more than has Hostetter's Stomach Bitters, the remedy which never fails to cure afflictions of the stomach. The Bitters strengthens weak stomachs and torpid livers.

A German journal is authority for the statement that two-thirds of the trained nurses actively engaged acquire and die of tuberculosis.

The Rock Island Wall Map of the United States

Is the best offered to the public. It is very large and specially adapted to school purposes. Every teacher of geography and every business office should have one. It will be sent postpaid to any address on receipt of fifteen cents in postage stamps or coin. Address,

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Here the sun shines 357 days of the average year, and it blends with the crisp, electric mountain air to produce a climate matchless in the known world. No pen can portray, no brush can picture the majestic grandeur of the scenery along the line of the Denver & Rio Grande Railroad in Colorado. Parties going East should travel via this line which is known all over the world as the Scenic Line of the world. For any information regarding rates, time tables, etc., call on or address R. C. Nichol, general agent, 251 Washington street, Portland, Or., or any agent of the O. R. & N. Co., or Southern Pacific Company.

His Head's Course.

On the second day out one of the sailors on a White Star steamer had a bad fall and sustained a severe cut on his head. One of the ladies on board was very solicitous about him, and inquired of the captain that evening how he was doing. Rough weather came on, and she was compelled to forget the wounded sailor in her own suffering. Four days later, when she emerged white and weak, from her stateroom, she saw the poor sailor with a strip of plaster on his forehead. "How is your head?" she asked, kindly, as he passed by on some duty. "West by south, m'am," was the reply, delivered with respectful but hasty clearness, and he was gone.

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Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. E. W. Grove's signature is on each box. 25c.

It is reported that Andrew Carnegie intends to buy railroad stock and open extensive works in the maganese mining districts of Santiago, Cuba.

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Allen's Foot-Ease, a powder for the feet. It cures painful, swollen, smarting, nervous feet, and instantly takes the sting out of corns and bunions. It's the greatest comfort discovery of the age. Allen's Foot-Ease makes tight or new shoes feel easy. It is a certain cure for Ingrowing Nails, sweating, callous and hot, tired, aching feet. We have over 30,000 testimonials. Try it *today*. Sold by all druggists and shoe stores. By mail for 25c in stamps. Trial package FREE. Address, Allen S. Olmsted, Le Roy, N. Y.

Special Master Carey's sale of the patent lands of the Northern Pacific was confirmed by Judge Jenkins.

FITS Permanently Cured. No fits or nervousness after first day's use of Dr. Kline's Great Nerve Restorer. Send for **FREE $2.00** trial bottle and treatise. DR. R. H. KLINE, Ltd., 930 Arch street, Philadelphia, Pa.

Wieden, a suburb of Vienna, has the largest dwelling house in the world. It contains 1,400 rooms.

The East Ohio Methodist Episcopal conference condemned the army canteen, criticised the attorney general's interpretation of the army reorganization law and asked for the strict enforcement of section 17 of that law with respect to the canteen.

Statistics which have been collated in Wisconsin show the average cost of raising wheat to be 24 cents a bushel and the cost of corn 27 cents. In both cases there are included interest on the value of the land, with the cost of implements and horses added in.

For lung and chest diseases, Piso's Cure is the best medicine we have used.—Mrs. J. L. Northcott, Windsor, Ont., Canada.

The car shortage will prevent the filling of contracts for coal for the Northwest, made with Pittsburg district operators, unless there is some relief soon.

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

The Word Splitter Squelched.

They were gazing across the lake.

"It looks like rain," said the man who was reckless with his English.

"What looks like rain?" coldly inquired the word splitter.

"Water," said the reckless man.—Cleveland Plaindealer.

Freeport, Ill., will purchase the city waterworks, operated by a private corporation, paying therefor $245,000.

5 DROPS The Pleasantest, Most Powerful and Effective Neverfailing Remedy for

La Grippe, Catarrh, Rheumatism.

TRADE MARK Will cure any ache or pain known in the human body. Send for trial bottle, 25c. This offer lasts 30 days only. Large bottle (300 doses of 5 DROPS each) $1.00 or 3 for $2.50.

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167 and 169 Dearborn St., Chicago.

Pico della Mirandola, a learned Italian of the 15th century, was eloquent in 22 languages, and M. Fulgence Fresnel was familiar with 20.

Acid in the Blood

That rheumatism in its worst form can be cured by proper treatment is shown by this interview with Mat Tanner, of 231 Hamilton St., Albany, N. Y. He said: "I was taken with rheumatism that began in my hips and spread throughout my body. For two years and a half I was confined to my bed. I employed nine of the best physicians of Albany, and two specialists from New York, but all declared my case hopeless. My niece recommended Dr. Williams' Pink Pills for Pale People. The use of several boxes enabled me to leave my bed and go about with crutches. Finally I abandoned the crutches, and am now as well as ever. No praise of Dr. Williams' Pink Pills for Pale People is too strong for my case.

MAT TANNER."

Sworn to and subscribed before me this 17th day of September, 1898.
NEILE F. TOWNER, *Notary Public.*
—*From the Albany (N. Y.) Journal*

Dr. Williams' Pink Pills for Pale People are never sold by the dozen or hundred, but always in packages. At all druggists, or direct from the Dr. Williams Medicine Co., Schenectady, N. Y., 50 cents per box, 6 boxes $2.50.

Fifty thousand copies, covering the full report of the proceedings of the trust conference at Chicago, will be printed for distribution.

Worms

CASCARETS are a sure cure for tape worms and those other pests of worms that make the lives of children and their mothers miserable. Any variety of parasites that live in the human stomach or bowels, and feed on the substance which should properly nourish the body, are dislodged by Cascarets Candy Cathartic, and expelled. One or two tablets usually drive them out, and persistent use is sure to do away with the unwelcome intruders. Many children and older people suffer from worms without knowing it, and get thin and weak, although their appetite is good. The best way to find out is to take Cascarets. **Never accept a substitute!**

—Brooklyn Citizen.

"A tape worm eighteen feet long at least came on the scene after my taking two CASCARETS. This I am sure has caused my bad health for the past three years. I am still taking Cascarets, the only cathartic worthy of notice by sensible people."
GEO. W. BOWLES, Baird, Miss.

The judge began to understand, and

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CASCARETS are absolutely harmless, a purely vegetable compound. No mercurial or other mineral pill-poison in Cascarets. Cascarets promptly, effectively and permanently cure every disorder of the Stomach, Liver and Intestines. They not only cure constipation, but correct any and every form of irregularity of the bowels, including diarrhœa and dysentery. Pleasant, palatable, potent. Taste good, do good. Never sicken, weaken or gripe. Be sure you get the genuine! Beware of imitations and substitutes! Buy a box of CASCARETS to-day, and if not pleased in every respect, get your money back! Write us for booklet and free sample! Address STERLING REMEDY COMPANY, CHICAGO or NEW YORK.

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