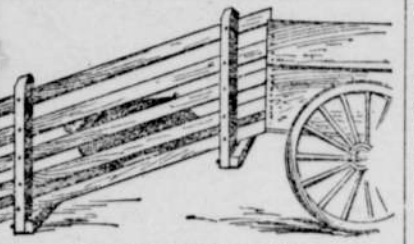


# AGRICULTURAL



LOADING LIVE STOCK.

The accompanying illustration shows a device for loading hogs and sheep that are too heavy to lift. The figure represents one side only. The bottom is a two-inch plank one foot or sixteen inches wide, or as wide as the wagon box, if you want it, with slats nailed crosswise on the bottom to keep the stock from slipping. The ends are both of the same angle so that when set up on the hind end of the wagon it will fit the box, and the end on the ground is perpendicular. By means of a few portable panels we can load stock almost any place where there is a fence for one side. The device can be adjusted to suit the wagon, unlike one that is stationary. We have scales, and a breeding pen for pigs, and it comes handy to unload sows, and at the scales for loading fat hogs and sheep.—A. S. Forsman, in Ohio Farmer.



LOADING LIVE STOCK.

stationary. We have scales, and a breeding pen for pigs, and it comes handy to unload sows, and at the scales for loading fat hogs and sheep.—A. S. Forsman, in Ohio Farmer.

## Farmers' Boys at College.

Some interesting figures as to the proportion of farmers' boys among college students have been gathered by the American Agriculturist. It has returns from 178 universities and colleges, reporting an attendance of 62,000 students, out of a total of 97,000 in all the higher educational institutions of the country. In its analysis of the figures the Agriculturist reduces the number of students considered to a little under 52,000, for some unexplained reason excluding, it says, a few city colleges, like Harvard, Pratt Institute, University of Rochester, Fisk University and others. Out of this total of about 52,000 it finds that nearly 21,000 are from the agricultural classes, or a percentage of 40.2 from the farm. This percentage varies largely in different sections of the country. It is 50.9 in the South, 45.8 in the far West, 40.1 in the central West, 29.4 in the Middle States and 29.1 in New England. "In no other nation will any such condition be found," comments the Agriculturist. "It is a wonderful tribute to the general intelligence of our American farmers' families, and to the high hopes and deep aspirations of their sons and daughters. This exhibit adds mightily to the dignity of agriculture, at least in the eyes of the masses in other vocations."—Exchange.

## For Dressing Fowls.

The tilting table here shown is just big enough to hold a fowl firmly between the side boards, with its head or neck down, through the opening, so that no blood will get upon the table or the feathers. The latter can thus be kept clean and sold. Even at a low price, the feathers from large flocks make not a little addition to the profit side of the account. This method permits the



SLOPING TABLE.

feathers being saved without any soiling whatever, consequently the highest price is obtained.—American Agriculturist.

## Unnecessary Fences.

In every wooded country the first impulse of the farmer when he clears the land of timber is to make much use of it for rails and posts to fence the farm thoroughly. No doubt for those early times plenty of fences to divide the farm into small fields was a convenience. It enabled the farmer to pasture his stock without allowing old and young to herd together. There was more labor in plowing and cultivating these small fields, but so much of the work of weed killing was done by hand labor that this did not much matter. That era rather than the present was when "The man with the hoe," as described in Mr. Markham's poem, would best apply to American farm workers. The great improvement in cultivating and harvesting machinery has enormously lessened the labor of the farmer. One of its best effects is doing away with all need for most of the fences that were formerly deemed essential to good farming.

## When to Plow an Orchard.

The best time to plow an orchard is in the fall, as a heavy application of stable manure can be applied on the land and left as a mulch to remain during the winter. The frosts will disintegrate the manure and the soluble matter will be carried down to the roots by the time spring opens. If preferred, the manure may be harrowed

in and rye sowed, which may be turned under in the spring and the land then limed as a partial protection against disease and insects, and also to neutralize the effects of an excess of acid generated by the decomposition of the green material.

## Extracting Honey.

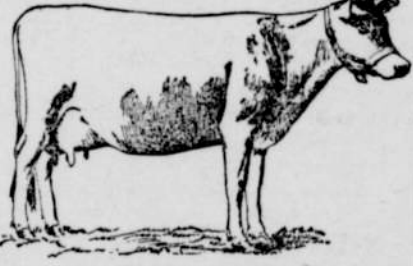
One very essential thing in extracting honey is a good sharp honey knife, as a dull knife will break and mutilate the combs. Shave off the cappings as evenly as possible so as to keep the combs of a uniform thickness. After removing the capping from both sides of the comb place it in the basket or reel of the extractor with the top of the frame toward the outside of the extractor. When both frames are put in this way the machine will run evenly without jolting or jarring. Be careful to put in combs of equal weight, as near as you can judge, as a light comb on one side and a heavy one on the other will cause the reel to wobble and sometimes jump out of the socket. Turn the crank slowly at first if the combs are very heavy. Only throw out part of the honey from the first side, then reverse the combs and turn fast enough to throw out all the honey from that side, then reverse the combs again and run the machine fast enough to throw out all that remains. A little practice will soon enable any one to tell how fast to turn the crank; if turned too fast the first time when the combs are heavy it breaks the cells.—Farm, Field and Fireside.

## The Farm Garden.

For a farmer to begin gardening with several varieties of each kind of vegetable is to fail with some, as farmers do not, as a rule, give much attention to gardening. About one-half of the varieties in many seed catalogues could be eliminated with advantage. If the garden is to be a specialty next year now off the grass and weeds, and plow the land in the fall, applying manure liberally, and then harrowing it in. Next spring plow the garden again, and use only a few varieties of each vegetable, selecting such as may be supposed to be the best. The fall is the time to prepare the garden plot, so as to expose it to the action of the frosts in winter.

## Antures First Prizes.

The Jersey cow, Happy Girl, str Perry Farm Rosy's Boy, dam Lady



JERSEY COW, HAPPY GIRL.

Gordon, was bred and is owned by his grace the Duke of Marlborough, Blenheim Palace, Woodstock, England; she has frequently appeared in the showing and has invariably been most successful, carrying off a large number of first prizes at the leading English fairs.

## Fruit Tree Estimates.

An acre is about 208 feet square, but after making allowance for roads and ditches some farmers estimate by using the figures 200. By so doing it requires but a few seconds to determine the distances for trees. Peach trees, placed twenty feet apart each way, will give five rows with five trees in each row, or twenty-five per acre. Seventy rows, each row three feet apart and 200 feet long, will about lay off an acre. Although not strictly correct, the use of 200 feet square will answer all purposes where a rough estimate is to be made.

## Pasturing the Meadow.

About four times as much material can be secured by cutting hay on the meadows as by pasturing stock on the land, yet experiments demonstrate that more profit is derived by pasturing the meadow plot than by using it from which to secure a crop of hay owing to the great saving in labor in the care required when cattle are given the use of the pasture, while the greater digestibility and dietary effects of the green food secured on the pasture are such as to promote thrift of the animals and increase the flow of milk, as well as add to the weight of the young stock.

## Farm Notes.

Fresh earth gives poultry great pleasure and plenty to do. Poultry that is kept busy always pays its way.

A good ration for laying hens must contain nitrogen and phosphate of lime and these are more cheaply supplied in clover than in any other form.

A durable screen for concealing certain portions of the premises may be made of gas pipe for the framework and implanting this in wooden blocks which are firmly set in the ground. Along the framework draw poultry netting and secure it by wrapping with small wire. This screen makes an admirable support for vines of every description.

# Creeping Numbness is a Danger Signal

Mr. G. H. Snyder, a well known citizen of Lawrence, Kan., said: "I am now seventy years of age. About three years ago I experienced a coldness or numbness in the feet, then creeping up my legs, until it reached my body. I grew very thin in flesh, appetite poor and I did not retain my food. At last I became unable to move about. I consulted several distinguished physicians, one telling me I had locomotor ataxia, another that I had creeping paralysis. I took their medicines but continued to grow worse. Almost a year ago a friend advised me to try Dr. Williams' Pink Pills for Pale People. Before I had finished my first box I found they were benefiting me. I used twelve boxes in all, and was perfectly cured. Although it is six months since I used my last pill there has been no recurrence of the disease."—From Lawrence 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.

The finest looking people of Europe are said to be the Tziganes, or gypsies, of Hungary. Physically they are splendid specimens of men and women and are rarely ill. So pure is their blood that their wounds quickly heal without the application of medications.

# Schilling's Best tea sold only in Packages

It is said that some of the sheep farms in Australia are as large as the whole of England.

America has 4,000,000 working women.

## SHAKE INTO YOUR SHOES

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.

## An Unhappy Marriage.

She—This is the anniversary of our wedding. I suppose we ought to observe the day in some way.

He—Suppose we send out for some sackcloth and ashes.—N. Y. Journal.

## Largest Alphabet.

The Tartaran alphabet contains 202 letters being the longest in the world. Some of these are really symbols to represent phrases and emotions.

There is more Catarrh in this section of the country than all other diseases put together, and until the last few years was supposed to be incurable. For a great many years doctors pronounced it a local disease, and prescribed local remedies, and by constantly failing to cure with local treatment, pronounced it incurable. Science has proven Catarrh to be a constitutional disease, and therefore requires constitutional treatment. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, Ohio, is the only constitutional cure on the market. It is taken internally in doses from 10 drops to a teaspoonful. It acts directly on the blood and mucous surfaces of the system. They offer one hundred dollars for any case it fails to cure. Send for circulars and testimonials. Address, F. J. CHENEY & CO., Toledo, O. Sold by Druggists, 75c.

## Are You Going East?

If so, you should see that your ticket reads via the Great Rock Island Route, and you will get the best. Pullman palace sleeping cars, elegant reclining chair cars "free," and library buffet cars on all through trains. Best dining car service in the world. Popular personally conducted excursions once a week to all points East. For full particulars call on or address any ticket agent, or A. E. COOPER, G. A. P. D., C. R. I. & P. Ry., 246 Washington street, Portland, Or.

It is estimated that 40,000 Americans went to Europe this summer.

## FITS Permanently Cured.

No return nervousness after first day's use of Dr. Kline's Great Nerve Restorer. Send for FREE 24-page trial bottle and treatise. DR. H. H. KLINE, Ltd., 930 Arch street, Philadelphia, Pa.

The average interval between high tides is 12 hours and 25 minutes.

Two bottles of Piso's Cure for Consumption cured me of a bad lung trouble.—Mrs. J. Nichols, Princeton, Ind., Mar. 26, 1895.

The sprinkler fitters of St. Louis won a strike for eight hours and \$2.50. Helpers are now paid \$1.75.

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

The first Irish woman to be elected a municipal councillor is Mrs. Maurice Dockrell, who was third in the polls in the Blackrock district of county Dublin, at the last elections, with nine vacancies to be filled.

## Bridget's Mistake.

An Irish lady, having had a few hot words with her husband one day, had occasion a few moments after to send her servant for some fish for dinner.

"Bridget," said the mistress, "go down to the town at once and get me a plaice."

"Indade, an' I will, ma'am," said Bridget; "and I may as well get wan for meself, for I can't stand the master no more than yerself."—Spare Moments.

## Dewey Celebration.

Americans are quick to appreciate merit. The Dewey celebrations prove that, and it is again forcibly demonstrated in the praise and confidence which is accorded Hostetter's Stomach Bitters, one of the most meritorious remedies ever compounded for indigestion, constipation, dyspepsia, biliousness, liver or kidney disease or any trouble arising from a weak stomach.

## Fooling the Public.

"I'm about bushed in the matter of curiosities," mused the owner of a small store. "It's a bad habit—this idea of drawing trade by making a museum of the window, but I can't stop now—business won't allow it."

A few hours later the soda water trade was rushing. The crowd outside the window gazed until it was thirsty at the remarkable bird that hung in a big cage. The card attached bore a handful of the alphabet hysterically put together and designed for a scientific name. After it were the words: "From Samoa."

A few days later the "curiosity" was feeding in the back yard with the rest of the bantam hens.—Detroit Free Press.

The 130-year-old vine at Hampton Court, England, is reported to be as vigorous as ever, although it is not now allowed to produce as many grapes as in its prime.

# "Necessity is the Mother of Invention."

It was the necessity for a reliable blood purifier and tonic that brought into existence Hood's Sarsaparilla. It is a highly concentrated extract prepared by a combination, proportion and process peculiar to itself and giving to Hood's Sarsaparilla unequalled curative power.

# Hood's Sarsaparilla Never Disappoints

A working miner in a coal pit in September, 1890, a master of arts of London University in June, 1896. That is the remarkable record of Thomas Reese, M. A., who has just been appointed to a professorship at Brecon college, one of the leading theological institutions in the principality.

The average duration of life in Chicago has been more than doubled in the last 80 years, resulting in the saving of 42,050 lives.



## An Excellent Combination.

The pleasant method and beneficial effects of the well known remedy, SYRUP OF FIGS, manufactured by the CALIFORNIA FIG SYRUP CO., illustrate the value of obtaining the liquid laxative principles of plants known to be medicinally laxative and presenting them in the form most refreshing to the taste and acceptable to the system. It is the one perfect strengthening laxative, cleansing the system effectually, dispelling colds, headaches and fevers gently yet promptly and enabling one to overcome habitual constipation permanently. Its perfect freedom from every objectionable quality and substance, and its acting on the kidneys, liver and bowels, without weakening or irritating them, make it the ideal laxative.

In the process of manufacturing figs are used, as they are pleasant to the taste, but the medicinal qualities of the remedy are obtained from senna and other aromatic plants, by a method known to the CALIFORNIA FIG SYRUP CO. only. In order to get its beneficial effects and to avoid imitations, please remember the full name of the Company printed on the front of every package.

CALIFORNIA FIG SYRUP CO. SAN FRANCISCO, CAL. LOUISVILLE, KY. NEW YORK, N. Y. For sale by all Druggists.—Price 50c. per bottle.

## HOW TO TRAVEL.

### Information for the Public.

In selecting your route to the East you cannot afford to overlook the advantages and comforts offered by the Rio Grande Western Railway in connection with the Denver & Rio Grande and Colorado Midland railroads. It is the only transcontinental line passing directly through Salt Lake City, and in addition to the glimpse it affords of the Temple city, the Great Salt Lake, the salt palace, and the picturesque Utah valley, it offers choice of six distinct routes to the East and the most magnificent scenery in the world. A double daily train service and through Pullman palace and ordinary sleeping cars, free reclining chair cars and a perfect dining car service are now in operation via these lines. For pamphlets descriptive of the "Great Salt Lake Route," apply to J. D. Mansfield, general agent, 263 Washington street, Portland, Or.

Corsets made of aluminum are now used by medical men for the treatment of spinal disorders.

# Bad Blood

Pimples, eruptions, blotches, scales, ulcers, sores, eczema and chronic swellings are caused by bad blood. CASCARETS are wonder-workers in the cure of any disease caused by bad or impure blood. They eliminate all poisons, build up and enrich the blood, enabling it to make new, healthy tissue. Pure blood means perfect health, and if you will use Cascarets they will give you good health and a pure, clean skin, free from pimples and blotches. To try Cascarets is to like them, for never before has there been produced as perfect and so harmless a blood purifier, liver and stomach regulator as CASCARETS Candy Cathartic!

Don't be imposed upon with "something just as good" as CASCARETS—you can't find it!

ANNUAL SALES, 5,000,000 BOXES.

THIS IS THE TABLET

THEY WORK WHILE YOU SLEEP

10c. 25c. 50c. DRUGGISTS

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 diarrhoea 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.

### DR. GUNN'S IMPROVED PILLS FOR THE LIVER

ONE FOR A DOSE. Cure Sick Headache and Dyspepsia, Remove Pimples and Purify the Blood, Aid Digestion and Prevent Biliousness. Do not gripe or sicken. To convince you, we will mail sample free, or full box for 25c. DR. GUNN & CO., Philada., Penna. Sold by Druggists.

### RHEUMATISM DISAPPEARS QUICKLY

Moore's Revealed Remedy will cure you. Thousands who have suffered with rheumatism testify to its curative powers. It is \$1.00 per bottle at your druggist's.

### IF CLAIMANTS FOR PENSION Write to NATHAN BICKFORD, Washington, D. C. they will receive quick replies. B. 6th N. H. Vols. Staff 20th Corps. Prosecuting claims since 1875.

### CARTER'S INK

Take no other—it is the best that can be made.

### YOUNG MEN!

For Gonorrhoea and Gleet get Patent's Okey Specific. It is the ONLY medicine which will cure such and every case. NO CASE known to have ever failed to cure, no matter how serious or of how long standing. Healing from its use will astonish you. It is absolutely safe, prevents stricture, and can be taken without inconvenience and detention from business. PRICE, \$2.00. For sale by all reliable druggists, or sent prepaid by express, plainly wrapped, on receipt of price, by PATENT CHEMICAL CO., Chicago, Ill. Circular mailed on request.

### MACHINERY. ALL KINDS

...TATUM & BOWEN... 20 to 30 First Street PORTLAND OR.

### PORTLAND DIRECTORY.

Fence and Wire Works. PORTLAND WIRE & IRON WORKS: WIRE and Iron fencing; office railing, etc. 334 Alder. Machinery and Supplies. CAWSTON & CO.: ENGINES, BOILERS, MACHINERY, supplies. 48-50 First St., Portland, Or.

### JOHN POOLE, PORTLAND, OREGON,

can give you the best bargains in general machinery, engines, boilers, tanks, pumps, plows, belts and windmills. The new steel I X L windmill, sold by him, is unequalled.

### DR. MARTEL'S ROSE "Relief for Women" French Female Pills.

Prepared by thousands of satisfied ladies as safe, as efficacious and without an equal. Sold by all druggists in metal box. French drug on top in Blue, White and Red. Take no other. French Drug Co., 21 & 23 Fourth St., New York City.

### CURE YOURSELF!

Use Big G for unusual discharges, irritations, or ulcerations of mucous membranes. Painless, and not irritating or poisonous. Sold by Druggists, or sent in plain wrapper by express, prepaid, for \$1.00, or 3 bottles, \$2.75. Circular sent on request.

### Rupture

Corrected without pain and without a surgical operation. C. H. WOOD... & CO., 103 Second St., Po. Ind.

### SURE CURE FOR PILES

ITCHING Piles produce misery and excruciating pain. This form, as well as Hemorrhoids, Bleeding or Prolapsing Piles are cured by Dr. Bosanko's Pile Remedy. It stops itching and bleeding. Averts hemorrhoids, and is sold by all druggists or sent by mail. Treatise free. Write me about four cents. THE BOSANKO CO., Philada., Pa.