Feeding Pen for Hogs.

Where hogs are fed near the house or barn, the fowls are apt to go among them and eat a large portion of the feed. An Indiana farmer has solved the problem by constructing a feeding pen so that the hogs and pigs could go in and out at pleasure, but fowls of all kinds were excluded. In the Orange Judd Farmer he tells how it is made.

Build a feeding floor several inches above the surface of the ground and inclose with a tight board fence surmounted with pickets a foot or more long. Make one or more openings near producers can get for milk it is a much the ground for the hogs and hang a door, a, from the top so that it will swing pretty freely either way. Leath-



er straps or hinges that work easily will answer. The hogs will soon learn to go back and forth, but fowls will not enter. If there are two sizes of hogs, make a partition and in it construct a small swinging door just large enough to admit the smaller pigs.

A Good Old Rotation.

The six-year rotation so long followed in this section, the Shenandoah Valley. has some strong points in its favor. The crops during the six years are in this order: Corn, followed by wheat, the ground being harrowed and the wheat drilled in. Immediately after the wheat is cut the next year, the ground is plowed thoroughly, prepared by harrow and roller, and sowed again to wheat, this time accompanied with about a bushel of timothy to six acres and the same quantity of clover in the early spring. Then three crops of hay are mowed, making the six years. Very often four crops of hay are made.

I have not counted the second crop of clover usually cut and hulled for seed the first season. Since Western seed generally can be bought at low prices. many think it better to pasture, or cut this second clover for cows. It will be noticed that this rotation, running six years, calls for plowing only twice during that time, and gives three crops of ay, which we think pays better than ether crops. Farmers who follow this old-time way are not getting rich, but they are probably holding their own about as well as others who follow newer and shorter plans. Try all and hold fast to that which is good, is not a bad motto.—American Agriculturist.

New Destroyer of Fruit. Re-enforcements to the seventeen-

year locusts, the gypsy moth, the browntail moth and all the rest of the busy army of fruit destroyers are to care of themselves. be found in vast quantities in the 'San Jose scales.' The San Jose scale

takes its name, not THE SAN JOSE SCALE from the locality to which it confines its depredations, but to the one in which it first appeared. Since it made its debut in California it has shown an impartial fondness for every part of the Union. Florida has not been too warm for it and Massachusetts has pleased. New Jersey has not escaped and the Pacific coast as far as British Columbia has appealed to it. The scale, though appearing only recently, has evidently spent several decades in preparing to descend upon the world. It is a microscopic insect, which pierces the green bark of the tree with its proboscis and sucks the sap. It has, doubtless with the roots. an eye to this age of germicide solutions, rendered spraying an infested tree useless, because it has a scaly covering which remains on the bark of the tree or the skin of the fruit and which acts as an armor against such weapons as washes. Fruit infested by the scale is unmarketable.

Government Seed Shop. Last spring the Department of Agrisulture distributed, at a cost of \$130,-000, enough seeds of all kinds to plant an area of 355 square miles, or 227,200 acres. Now, if there were some way of finding out just how many acres were actually planted with these seeds, and how much the crop produced therefrom is worth in cash, we would probably have a better argument than we can produce now in favor of knocking the Government seed business on the head. Many a musty old humbug has been suffered to exist simply because it was impossible to corral it with figures.

Fall Set Posts

It is not generally considered a good me to set posts in the fall. No mat- I bought of a farmer's supply house," teer how well the soil is compacted says a farmer. Buy of a reliable home an and them, rains will sink down in dealer next time. Read our ads.

the soil that has lately been disturbed.

The winter frosts will also penetrate

more deeply, and in a winter when

there is much freezing and thawing

will gradually lift the post up. If posts

are set in fall for a fence the boards

must be nailed on so as to keep the

posts from being twisted, so that they

must be reset before a fence can be

Milk as Food on the Farm.

To every city resident one of the ad-

vantages of living in the country is that

those living there can easily secure

fresh and pure milk directly from the

cow. It is a most valuable food pro-

duet, whether used directly as milk or

cooked in custards and cakes, in the

various ways that milk and cream can

be used. Probably most housewives

who have lived in the country find

when they remove to the city that the

absence of the best milk and cream

which they used to have in abundance

was a stronger handicap to successful

cooking than anything else. At the

wholesale prices that are all that milk

cheaper food than any other that comes

on their tables. If farmers ate more of

their milk product they would be better

off physically as well as financially.

What they then sold would probably

bring as much as does the larger por-

Turnips Among Corn.

There is no crop grown so easily and

shade of the corn will keep the turnlps

from growing much until the corn is

cut. Possibly also their growth will

roots for plant food. But in the Indian

summer that follows the first frost the

turnips will make rapid growth, as

their own use. The turnip will endure

a pretty heavy frost, and grow again if

warm weather follows it. But in our

elimate turnips cannot be left in the

ground all winter as they are in Eu-

A Milk Strainer.

One correspondent of the American

Agriculturist seems to think that a

wire screen in a milk strainer is not de-

sirable, while an-

other asserts that

if rightly placed

it will be found en-

tirely satisfactory.

In the illustration

is shown a strain-

er, with a wire

screen in the fun-

nel at a, just as in

an ordinary strain-

er. The bottom

should be four

inches in diameter.

muslin over the

neck at c and slip

the collar b over it.

A perfect strainer

is formed. The

cloth must be kept

perfectly clean. Each time the strainer

is used remove the cloth and wash it

thoroughly, scalding in boiling water,

Renew frequently, for it is less ex-

pensive to get new cloths than to run

the risk of tainted milk. Also scald the

wire screen at each washing and care

Orchard and Garden.

Fruit trees or plants will not take

Grapes thrive best in well-cultivated

Having the orchard trimmed up

Cherry trees must be grafted early

Choose young, thrifty trees, with

good roots and straight, clean tops.

necessity for removing large limbs.

and trimming better than the pear.

bruised or mangled should be discard-

It is not a bad plan to plant trees

along the roadside the whole length of

Nectarines and apricots can be

grown anywhere that the peach or

Mulching prevents the early flow of

sap by preventing the ground from

Agricultural Notes.

Grain feeding of cows in summer

Remember that you were once a boy

Fresh top-dressing of pastures is an

A new variety not suitable to your

soil and climate is worse than an old,

"Mary had a little lamb," and her

father sold it, but the money he got for

it did not pay for the injustice he did

"Got cheated in a farm machine that

insult to stock if it is turned on them.

Keep the wagon well greased.

yourself, unless you are a woman.

helps the fertility of the soil.

inferior variety that is.

the child.

fully scrub the tin portion.

and well-drained land.

the principal aim.

ed.

the farm.

prune will thrive well.

warming up too soon.

keeps the trees bearing well.

if good results are expected.

tion that they sell now.

made.



Heppner, Oregon, has a unique musical novelty in the character of a ladies' brass band, made up of the maids and matrons of the most prominent families in the town, whose social standing is pitched with the bon-ton. The band was organized a year ago, and was to be a self-supporting organization entirely. As soon as organization was perfected ways and means were canvassed by which funds could be raused for uniforms and instruments. It was decided to give a concert, which proved a grand success financially, at which the band made its first appearance in public. The audience mildly enthused over their playing—it was so much better than was expected. The Ladies' Band was a success. Then when the presidential campaign opened they were at once in demand. The Ladies' Band became the fashion, and no candidate ever thought of making a speech in their neighborhood without first having secured their services as an attraction. Their popularity led them into church socials, picnics, etc., until now they are famous throughout the entire Northwest.

UNCLE SAM'S FISH COMMISSION

Important Branch of the Government of Which the Public Knows Little.

Commission is perhaps as little understood by the people of the country generally as any branch of the government. While it is not a division of any one of the nine great departments, it is created by the President of the United States, its officers are appointed by him, and the work it is accomplishing is of great importance to several industries of the country.

In order to supply the demand for with so little cost as late-sown turnips food, fish culture must be resorted to in in a field of well cultivated corn. The every thickly-populated country, for shade of the corn will keep the turnips with the utmost protection the demand is always greater than the supply unless nature is aided in its production of be checked by the demand of the corn fish. Benjamin Franklin and other prominent Americans were strong advocates of fish culture and practiced the transplanting of tish in the clasing they will then have all the land for years of the last century, but it was not until the early '50s that much attention was given to the matter it the United States. At about this time the scientific men of the country began to investigate the American streams, and they were not long in discovering that they were being rapidly cleared out. They expressed grave fears that the coast waters might also become decmated of their finny inhabitants. Step: were very soon taken by the different States to prevent such a catastrophe; in 1865 Massachusetss appointed the first fish commission; in 1868 New York appropriated \$1,000 for the same purpose. Gradually the other States have followed suit until now almost every one has its fish commission, and since its first appropriation New York has spent over \$350,000 for this object. In 1870 Prof. Baird, then of the Smithsonian Institution, fitted up a station at Woods' Holl, on the southern coast of Massachusetts, at his own expense, and maintained it for two years, mak-

The ponds for fish culture at Washington are not far from the Washington monument on the mall, and they are one of its most attractive features The work of the United States Fish Rare specimens of fish are brought and careful experiments are made to acclimate them, and here, too, are hatched vast quantities of the eggs of the fish of commerce, which are sent to the various stations all over the country,

> Duck Farming in Virginia. One of the largest and decidedly the best equipped duck farms in the United States is located at Riverton, Warren County, on the Southern Rallway. John W. Morgan four years ago commenced raising ducks at Riverton on a small scale, and his business has grown until the output this year is about 5,000 ducks, and he is enlarging his plant and expects next year's output to be about 15,000 ducks. Mr. Morgan's plant occupies two acres of ground, and this area he will increase. The plant consists of an incubator house, a feedroom, a brooder house, home for employes, a wareroom, yards with shelter for the ducks and water supply outfit, including bath ponds, with running water for the fowls. The proprietor is now adding to this plant. In the busy season there are fed to this farm 125 31/2-gallon buckets of mixed feed each day. This farm marketed many thousands of ducklings the past season, a large number weighing 71/2 to 8 pounds per pair at seven weeks of age .-- Alexandria Gazette.

Girl Who Shams Religion.

Ruth Ashmore, writing of the "Shams of the Modern Girl." in the Ladies' Home Journal, and of "the sham that is vorse than all others—the religious shan," says: "She is the one who is most conspicuous in speech and sometimes in work; but in her heart her religion is simply a means to a very earthly end. She is prominent in the ing many valuable demonstrations of Sunday school, because she thinks she can in that way become acquainted



THE PONDS FOR FISH CULTURE AT WASHINGTON

Annual pruning largely avoids the joint resolution which authorized the No fruit repays judicious pruning and fisheries. Prof. Baird was ap-Make quality rather than quantity pointed and entered at once upon his duties, and his efficient service won for All trees that have roots or tops himself the title of the "first fish culturist in the world," and placed the American fisheries in the front of all others. In setting out a tree, save some of At the present time there are stations the top soil, especially to put around

located all over the country. The headquarters of the commission is at Washington; it occupies the old ante-bellum arsenal in that part of the mall which is designated as Armony square and is a plain tall brick building without a suggestion of exterior ornamentation. The basement floor is filled with aquaria in which is running water and growing plants and inhabtted with all kinds of fishes; the west part of this floor is finished like a deep grotto and the hanging vines and mosses over the glass cases, in which the fishes are swimming, make the illusion perfect. It often happens that the cars in which fishes for propagation are sent to the stations over the country are standing on the side tracks near the building and when this is so it is very interesting to see the manner in which the fishes are carried from place to

The government owns two steamers, the Albatross and the Fish Hawk, which are fitted up magnificently for the purpose, and which are used exclusively for deep sea explorations. They are manned with men of known scientific attainments who have added immensely to the store of the world's knowledge of the inhabitants of the "briny deen."

The matter of a national fish commis- | with some people she would like to sion was brought to the attention of know. She is ever ready to get up and Congress and the President many times express her creed at the prayer-meetbefore anything was done about it, but ing, because she thinks that her ability in February, 1871, Congress passed a will be recognized. She rustles into her pew, kneels for a long time, and appointment of a commission of fish then settles herself comfortably-to look at the congregation. She considers it respectable to go to church. Beyoud that she gives no thought. She forgets that, unless religion is of the heart, it is of no value. She has never understood that it is not the loud prayer, nor the wordy prayer which makes an impression on God, but that it is the sincere cry from the soul appealing to Him to which He listens. The religious sham can usually give you a description of all the costumes worn by 'her set' in church. She can tell you of the amount of money put in by each member as the plate is passed along. She goes to church to observe the outward, visible sign, and never, in any way, troubles herself about the inward, spiritual grace."

A Curious Superstition,

Among the superstitions of the Sen eca Indians was one most beautiful one: When a young maiden died they imprisoned a young bird until it first began to try its powers of song; and then, loading it with caresses and mes sages, they loosed its bonds over her grave, in the belief that it would not fold its wing nor close its eye until it had flown to the spirit-land and delivered its precious burden of affection to the loved and lost one.-St. Nicholas

Women may supersede men in many pursuits, but the field in which a brindle cow grazes is barred to the female A SENSATION.

That the world is coming to an end suddenly at a given time is not what is referred to. There are different kinds of sensations, as very many people know who feel sharp twinges of pain in the big nerve of the thigh. Sciatica is a very painful se sation, and the torment of it makes one think something is come to an end. But just at the arst sensation or twinge is the best time to use St. Jacobs Oil. The less pain the more easily it is cured, and the Oil prevents its development by soothing the nerve. At any stage it will cure.

Sanitary Reform of Bombay.

The Indian government has formulated an important scheme for the sanitary reformation of Bombay City. The control of government and municipal lands will be vested in a nominated body, which will be empowered to lay new streets through crowded localities and to erect dwellings at low rents for the poor. The scheme involves an addition to the municipal rates of not more than 2 per cent.

SLAIN BY POISON.

Not the poison that the covert assassin administers in the drink, the food, or some other guise, but the poison of malaria shortens the tives of in riads. There is a safe and certain antidote. Hostetter's Stomach Bitters, which satidate. Hostetter's Stomach Bitters, which not only fortifies the system against malaria but roots out its seeds when they have germin ated. Dyspersia, constitution, rheumatic liver and k ducy trouble are conquered by the Bitters.

A Minneapolis genealogist reckons up four billions of persons between William the Conqueror and one of his descendants now living.

\$200000

Economy: save 10 cents on a package of "cheap" baking powder and eat the cake. You couldn't do better-for your doctor.

Schilling's Best money-back baking powder is at your grocer's.

A daguerrotype of Louis Philippe taken in 1840 by Daguerre himself, has been presented to the Camavalet museum in Paris.

AN OPEN LETTER TO MOTHERS.

We are asserting in the courts our right to the exclusive use of the word "CASTORIA," and "PITCHER'S CASTORIA," as our Trade Mark. I, Dr. Samuel Pitcher, of Hyannis, Massachusetts was the originator of "PITCHER'S CASTORIA, the same that has borne and does now bear the fac-simile signature of CHAS. H. FLETCHER on every wrapper. This is the original "PITCHER'S CASTORIA" which has been used in the homes of the mothers of America for over thirty years, Look Carefully at the wrapper and see that it is the kind you have always bought, and has the signature of CHAS. H. FLETCHER on the wrapper. No one has authority from me to use my name except The Centaur Company of which Chas. H. Fletcher is President.

March 8, 1897. SAMUEL PITCHER, M.D. A St. Louis paper is marvelling over the case of a septuagenarian whose

white hair turned black in a single

HOME PRODUCTS AND PURE FOOD.

by first-class grocers, in cans only. Manufac-tured by the Pacific Coast Struc Co. All gen-une "Ten Garden Dripp" have the manufac-turer's name lithographed on every can.

It is said that the flesh on the fore quarters of the beaver resembles that of land animals, while that on the hindquarters has a fishy taste.

"King Solomon's Trensure," only Aphrodisiacal Tonie known. (See Dictionary.) 83.50 a box. 3 Send for Catalogue weeks' treatment. Mason Chemical Co., P. O. Box Tr., Philadelphia, Pa

"Ancient" coins, many of which antedate the Christian era, are made in large quantities in London, and find sale all over the world.

I believe Piso's Cure is the only medicine that will cure consumption.—Anna M. Ross, Williamsport, Pa., Nov. 12, '96.

Try Schilling's Best tea and baking powder.

WHY SO MANY REGULAR PHYSICIANS FAIL

To Cure Female Ille-Some True Reasons Why Mrs. Pinkham is More Successful Than the Family Doctors.

A woman is sich; some disease peculiar to her sex is fast developing in her system. She goes to her family physician and tells him a story, but not the whole story.

She holds something back, loses her head, becomes agitated, forgets what she wants to say, and finally conceals what she ought to have told, and thus

completely mystifies the doctor. Is it any wonder, therefore, that the doctor fails to cure the disease? Still, we cannot blame the woman, for it is very embarrassing to detail some of the symptoms of her suffering, even to

her family physician.

It was for this reason that years ago Mrs. Pinkham, at Lynn, Mass., determined to step in and help her sex. Having had considerable experience in treating female ills with her Vegetable Compound, she encouraged the women of America to write to her for advice in regard to their complaints, and, being a woman, it was easy for her ailing sisters to pour into her ears every detail of their suffering. Over one hundred thousand women were successfully treated by Mrs. Pinkham last year. Such are the grand results of her experience.

There are 71,000 more women than men in the state of Massachusetts, and this excess is all in persons over 14.

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We offer One Hundred Bollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

F. J. CHENEY & CO., Toledo, O.

We, the undersigned, have known F. J. Cheney for the last 13 years, and believe him perfectly hororable in all business transactions and financially able to carry out any obligations made by their firm,

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Whele-sale Bruggists, Toledo, O.

Hall's Catarrn Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Testimonials free. Price 75c, per buttle. Sold by all druggists.

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Men Who Have Wasted the Vital Power of Youth-Who Lack Vigor-Can Be Cured by Electricity.

This is an appliance which is known all over the world for its wonderful tonic influence upon the waning vitality of men and women. Its touch is the tonch of life. Warmth and energetic health follows its application within ten days. A permanent cure of all weakness-restoration of new life—is assured in the longest standing cases within 20 days.

"THREE CLASSES OF MEN." Dr. Sanden will send you a book upon this subject, with valuable information, free. If possible, call and see his famous Belt. Try it and regain your manhood. Life has a new charm to those who wear it. Call or address

SANDEN ELECTRIC BELT CO. 253 West Washington St., Portland, Or. Please mention this Paper.

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This great book, entitled "COMPLETE MANHOOD AND HOW TO ATTAIN IT." will be mailed free, in plain, sealed wrapper, to the address of any sincere inquirer by the Eric Medical Company, 65 Niagara Street, Buffalo, N.Y. Noc.O.D. scheme; no deception.

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