My Hair is ExtraLong

Feed your hair; nourish it; give it something to live on. Then it will stop falling, and will grow long and heavy. Ayer's Hair Vigor is the only hair-food you can buy. For 60 years it has been doing just what we claim it will do. It will not disappoint you.

"My hair used to be very short. But after sing Ayer's Hair Vicer a short time it began s grow, and new it is fourteen inches long out any hair."-Mus. J. H. FIFEI



GREAT TUNNEL PLANNED.

Central Pacific to Piezce the Sierra Nevada Mountains.

"The boring of what will be the long- who has not been in Chicago long est tunnel in the United States, and enough to master the English language, one of the longest in the world, has save that he has grasped the meaning very recently been determined upon by of a few words. The other day he the Central Pacific Railroad Company," | went into the store of a tradesman, but says J. Mayne Baltimore in the Techni- was unable to make any one in the cal World Magazine.

"Chief Engineer William Hood has To the clerks he kept saying "tilng, finished plans and reports for the pro- tling." After all had given up in desposed gigantic six-mile hole to be bored pair and when John was about to make through the Sierra Nevada Mountains his departure, the proprietor happened in California, a short distance west of to make his appearance. At once the town of Truckee, Ariz.

The object of this great tunnel is to cured a section of rope the size of a cut down the present mountain climb clothesline. of 7,017 feet by fully 2,000 feet, and John looked at it for a moment, took thus eliminate many of the present it in his yellow fingers and then said curves and much of the grade. Chief "young tling." Then the merchant Engineer Hood's reports contain some went to a cabinet, pulled out a drawer modifications of his first series of sur- and came back with a spool of thread. veys, made some years ago, and these The Mongolian's face was at once will doubtless be approved by Presi- wreathed with smiles. He handed over dent Harriman; and work, it is expect. his nickel and went about his business ed, will very soon be commenced on this with the air of a man who had accomgreat tunnel.

"It is estimated that the tunnel will News. cost not less than \$10,000,000 and that among other things it will cheapen the annual expenses of operating trains Western town who never had a good over the mountain division by fully word for anybody. Every one held him \$100,000. Being over 36,000 feet in in more or less fear and many disliked length, the tunnel will be one of the him strongly. He made no effort to longest in the world and certainly the cultivate friendships, and at one time longest in the United States. The long- or another almost every inhabitant of est now in existence on this continent the village had had a guarrel with him. is the 16,000 foot bore in the Cascade One day the old lion tried to board a range in Washington, on the Great train which did not stop. He was Northern Railroad."

Fortune's Wheel.

"See that old chap?" remarked the departing train. The group of villag-elubman, pointing out the winnow to an ers on the depot platform thought that old peddler, who carried a basksi of shos their hereditary enemy had been killed laces. "Well, he came to this country before their eyes and were ready to from Russia ten years ago. He borrowed before their eyes and were ready to arome money to purchase a basket and began to reddle shoe laces. How much do grave. you think he's worth to-day? Just make One ran up to where the fallen mona guess."

arch lay, and, seeing signs of return-Several large sums were mentioned ex- ing life, anxiously asked : "Are you badly hurt, captain?" "Wrong," said the clubman. "He isn't With the first short breath the fallen

worth a cent and he still owcs for the man was able to draw he gasped : "No, you d-d old fool! That's the way I The Useful Earthworm. always get off a train."-Kansas City Darwin estimates that there are Times. 100,000 earthworms quietly at work for the advantage of the upper six feet of every acre. They continually turn or every acre. They continually turn over the soil and drag down leaves and grass, and thus they loosen the soil and fertilize the ground, so that necessary is called a source of the mode that necessary is called a source of the mode that necessary or two later at the ball game. air can reach the roots that spread and Office Boy-Yes, sir; I was rootin' fur grow. de home team.

Protection of American Birds. The movement for the protection which exist in thirty-five States, and which for a number of years have carried on an active work for the conservng of bird life. The results accomlished are considerable. A "model aw" drawn up by the American Ornithologists' union is now in force in thirty States and the District of Counbia. The Lacey law excludes from terstate commerce all birds killed il-

The Farm Labor Question. Much is being said just now about la bor on the farm. The farmers complain gally in any State, and makes those that labor is both scarce and inefficient, gitimately killed subject to the law while the farm hands grumble about of the State in which they are bought. poor pay and long hours. As to the

Laws prohibiting the cale of game matter of wages, I believe the hired out of season, even when killed in season, look toward the same end of concorrect as to the poor quality of the serving bird life. Public attention has help to be had. The reason for this is been aroused on the subject, and even not far to seek. Other occupations have the manufacturer of air rifles no long- offered greater inducements to the man er calls attention to the fact that they without capital, and the best men have will kill small game within short dis- left the farm and gone to them. There tances. Absolute protection has not is, it must be confessed, little induceyet been given the birds everywhere, ment for a strong, willing, energtic but a great and important work has young man to work on a farm at \$12 been well begun and is being carried or \$15 per month and board. He can forward. usually do better elsewhere, and else-

Clear as Thick Ink.

A Habit with Him.

Engaged in a Noble Work.

Employer-Jimmy, I let you off yes-

There was a business man in a little

grades of service; and not until the On the South Side is a Chinaman farm can offer the man of muscle and the man of brain as much for their services as they can get elsewhere can the farm hold them. Higher wages for farm hands are, to my mind, inevitable; and this means that many farmers will have to learn how to better handle store understand what he wanted. their men. What is needed is not chesp

labor, and lots of it, but good labor and skillful management for it. While this is true of the labor problem as a whole, It is equally true that the main ques-"tling" to him was string and he protion is that of individuality. A farmer who treats his hired man as he would wish to be treated if he were the wage

earner can usually get men, and the aborer who looks after his employer's nterests as his own can always find mployment. You can no more leave out the individuality in considering the "servant question." What is in greatst demand is mutual confidence and a nutual desire to do the best that can of an ordinary wheat sack, having two se done. A difference in wages of a plished a great undertaking .-- Chicago

o the difference between a good man place and a bad one .- E. E. Miller, in this method the lambs do not wriggle Agricultural Epitomist.

Plank-Frame Barn. The evolution of the plank-frame arn is the natural result of the scar

ity of timber for building. A con iderable saving in lumber and ease of oulding is effected in the plank rame. Less time and fewer men are required in the erection, and there is and keep them in bearing condition ittle or nothing sacrificed in strength thrown a great distance and fell in a since the excellent method of bracing fulness has passed. As the cause of heap on the track in the rear of the enables them to stand the pressure of hay and grain within or strong winds the sap to all of its branches, heading without. A solid frame foundation



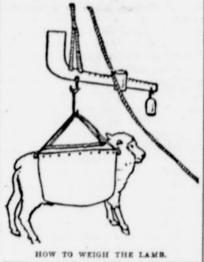
Crop-Bound Fowls.

Every farmer is familiar with what a called "crop-bound" in fowls. The crop becomes packed with food that has ceased to pass into the gizzard the bird. If the contents of the rop consist of grain only, the fowl should be kept from food for some days. In addition, the crop should be anipulated with the hands. This will tend to loosen the grain and start its passage into the gizzard. Sometimes the condition is caused by

feeding cut hay, dried alfalfa or clover, which have packed at the point where the food should pass out of the crop. pours sweet oil down the throat of the bird, and this loosens up the mass. In bad cases he opens the crop by cutting and removes the collected food. that this does appear to cause the bird much pain. After this is done the bird should be fed only milk or other light food for some days.

For Weighing Lambs.

Mr. John Spears, of British Colum bia, sends to the Montreal Star a sketch of a contrivance for weighing live lambs. Farmers who have lambs to sell are in need of some such method of ascertaining their weight. It consists where he goes. This is true of all



suitable sticks attached to top and lollar or two a month is a small thing bottom. A stout piece of rope is attached to the ends of each of these

> and they can't get out when once in and it is very quick, humane and effective.

Reviving Old Fruit Trees. A Maryland fruit grower has after several years of experimenting discovered a way to revive old fruit trees

long after their supposed stage of use decay in a tree is its inability to carry physicians for any advice you wish. We make no charge for either.

the tree lessens the area to be traversed, the amount of top to be removed. varying according to the farmer's judg- MAKING ARTIFICIAL ICE CREAM. ment. Bone-dust and ashes must then Cottonseed Oil Used Instead of the be administered as a fertilizer, the int-

Ordinary Ingredients. ter in the autumn and the other in the "When Prof. Stillman of Stevens inspring. This treatment will revive old ing to increase the number of fruit buds formed, and the ashes and bone-dust tending to stimulate the tree growth



While the damp, cold, changing weather of Winter intensifies the pains and other disagreeable symptoms of Rheumatism, it is by no means a winter disease exclusively. Through the long months of Summer its wandering pains and twitching nerves are felt by those in whose blood the uric One poultry raiser in cases of this kind acid, which produces the disease, has accumulated.

Rheumatism is a disease that involves the entire system. Its primary cause results from the failure of the eliminative organs, the Liver, Kidman is right; while the farmer is often afterward sewing up the crop. He says neys and Bowels, to carry out of the system the urea, or natural refuse matter. This coming in contact with the different acids of the body forms uric acid which is taken up and absorbed by the blood. This acid causes fermentation of the blood, making it sour and unfit for properly nourishing the body, and as this vital stream goes to every nook and corner of the body, the poison is distributed to all parts. The nervous system weakens from lack of rich, pure blood, the skin becomes feverish and swollen, the stomach and digestion are affected, the appetite fails and a general diseased condition of the entire system is the result.

Not only is Rheumatism the most painful of all diseases, with its swollen, stiff joints, throbbing muscles and stinging nerves, but it is a formidable and dangerous trouble. If the uric acid is allowed

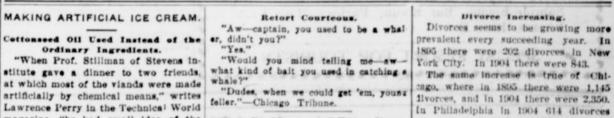
to remain in the blood, and the disease becomes chronic, chalky deposits form at the joints, and they are rendered immovable and stiff, and the patient left a helpless cripple for life. Every day the poison remains in the system the disease gets a firmer hold. The best time to get rid of Rheumatism is in warm weather; because then the blood takes on new life and the skin is more active and can better assist in the elimination of the poisons. With the proper remedy to force the acid out of the blood, and at the same time build up and strengten the Liver, Kidneys, Bowels and other organs of the body, Rheumatism can be permanently cured. External applications relieve the pain and temporarily reduce the inflammation, and for this reason are desirable, but they cannot have any effect on the disease. The blood is poisoned and the blood must be treated before a cure can be effected.

S. S. S., a remedy made from roots, herbs and barks, is the best treatment for Rheumatism. It goes into the blood and attacks the disease at its head, and by neutralizing the acid and driving it out, and building up the sour blood so it can supply nourishment and strength to every part of the body, it cures Rheumatism permanently. S. S. S. is the only safe cure for the disease; being purely vegetable, it will not injure the system in the least, as do and a poor one, or between a good sticks. The whole forms a sling. By those medicines which contain Potash or some other mineral ingredient. S. S. S. tones up

every part of the body by its fine tonic properties. While cleansing the blood of all poisons it builds up the appetite and digestion, soothes the excited nerves, reduces all inflammation, relieves pain and completely cures Rheumatism in every form-Muscular, Inflammatory, Articular or Sciatic. If you are worried with the nagging pains of Rheumatism, do not wait for it to become chronic, but begin the use of S. S. S. and purge

the blood of every particle of the poison. Write for our book on Rheumatism, and ask our

THE SWIFT SPECIFIC COMPANY, ATLANTA, GA.



tory Rheumatism in the knees, from which I was unable to leave my room for several months, I was treated by two doctors and also tried differ-ent kinds of liniments and medicines which seemed to relieve me from pain for awhile, but at the same time I was not any nearer getting well. One day while reading a paper I saw an adver-tisement of S. S. S. for Rheumatism. I decided to give it a trial, which I did at once. After I had taken three bottles I felt a great deal better, and I continued to take it regularly until I was en-tirely cured. I now feel better than I have for CHAS. E. GILDERSLEEVE. years. 613 32nd Street, Newport News, Va.

Last Summer I had a severe attack of Inflamma-



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WRITE NOW ! enclose a dime with your name and address and dealer's name and receive by return mail this free offer and souvenir. Address, Pacific Coast Boraz much larger if these parasites are re-Co., Oakland, California moved.



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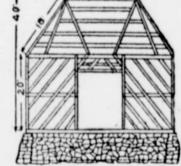
DR. T. P. WISE.



PLANK-FRAME BARN. may be used or the entire structure may be of plank. A good, firmly built tone and cement foundation is advisable. With this to rest the plank upon

be frame is raised. No sills are used and the upright such post are set on the foundation on each side. Between these the crosstle the two sides together. The scantinches for cross sills through the cen- the household. ter of the barn, each joint or bard being fixed in this way. End joints, using oards instead of plank on outside, give the bedwork of the barn. At the sides, between uprights in place of sill, a

plank is firmly spiked; this holds the uprights firmly in place and prevents working sideways while the thoroughly spiked cross planks prevent all move nent in other directions. Throughout



CROSS-SECTION SHOWING BRACING. there should be no sparing of spike nails, as these are an essential feature

to secure solidity. Wormy Plums. The plums that have been stung by

It isn't much trouble, and it doesn't cost raffia. If you are trying to use last any more to do it now than later. The year's white birch poles, you are going fruit that brings high prices will grow to have them rot off and fall down and

Testing Solls. All soils are formed from disinte asserted that a new process for pregrated rocks and organic matter. Of serving perishable fruit and food prodthe latter, soils contain from 1 to more ucts has been discovered and tested than 70 per cent; it is, however, only with success in California. It is said in bogs or beds of peat that the amount that by the use of a vacuum fresh fruit

that he can make no possible mistake tionize the transportation of fruits and ago, and my eyes g'it is perfect." with barnyard manure.

owth. The Farm Garden.

he has received hundreds of letters No farmer can afford to do without asking how different dishes were proa good garden. It is not to be expected duced-so many that he has not had that every one will be a fancy gar time to answer many of them.

agazine,

dener, but every one should give suffclent attention to the subject so as to produce all staple vegetables earlier than can be produced in the field. It is not only essential to the heilt and "The chemical processes which he out here a great deal. cient attention to the subject so as to employed were some of them simple produce all staple vegetables earlier and some quite complicated. To make truth, our real estate fluctuated like the is not only essential to the health and for instance, the alchemist took some cago Tribune.

proper enjoyment of the family, but triple refined cottonseed oll and placed studs take the place of posts. Two for it is actually a matter of profit. Could it in a centrifugal machine which reyour whole farm be made as smooth, volved at a velocity of 3,000 revolutions dry, rich and as well cultivated as a minute. A beautiful emuision was that I am not-er-as big a fool as I plank is placed and spiked so that it good garden, the increased product thereby produced, which was then froz- seem. You mustn't judge me by appearwill extend the width of the barn and would pay a large per cent of profit en, chemically, of course. The flavor ances.,

upon the outlay. In the garden, or in was obtained by the addition of vanillings on each side of the barn floor, a separate compartment, may be culti- lin, glucin and nitrobenzol. They say forming center posts, are then raised vated strawberries, raspberries, black- that ice cream composed as above is and spiked in place. Upon the outside berries, currants, grapes and dwarf sold in many Southern States where and spiked in place. Upon the outside berries, currants, grapes and dwarf sold in many Southern States where Mothers will find Mr., Winslow's Soothing of each upright is spiked a plank of pears. They can all be had at a very cottonseed oil is more plentiful and Syrup the best remedy to use for their children the same size as and parallel with the small cost of money or labor, and will consequently cheaper than milk or

the same size as and parallel with the small cost of money or labor, and will consequently cheaper than milk or first cross plank. This gives three 2x8 add immensely to the enjoyment of cream. It is far from harmful, tastes good and does not melt as guickly as

the genuine ice."

Tarred Paper Injures Trees.

shift. When a gall is noticed there is

something wrong with the saddle or

brought up from work at hight, and it

should be kept in good condition or the

Bean Poles.

In a newly set orchard the trees A Frenk Statue were wrapped with tarred building pa-One of the most interesting freak per as a protection against the rabbits. statues in England is to the memory The paper was not removed early in of Sir R. Holmes. It is to be seen in the spring, and as the hot weather the church at Yarmouth, Isle of Wight. came on the tar melted and adhered to The funny thing about it is that it was the bark and destroyed the live bark and cambium layer wherever it came in contact. As a result, many of the trees were entirely killed. However, a good grade of coal tar is very efficient in preventing decay of exposed wood in recently trimmed trees. Coller and Saddle Galls. Coller and Saddle Galls. the bark and destroyed the live bark not originally intended to represent

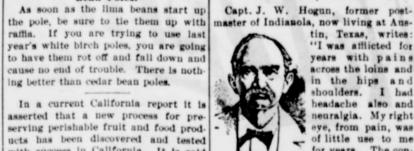
Galls on horses are due to several ing left for completion on its arrival in SEAL causes, but frequently to saddles and France. On learning who it was for harness that press unevenly on the the English commander compelled the body. The collar should fit the horse sculptor to finish it by chiseling his perfectly, and it cannot be too good. A (Holmes') head on the King's body. loose girth to a saddle may allow it to

Had Tried It.

"You ought to try taking a long walk on an empty stomach." harness, and no remedy will be avail-"Why, doctor, I did the other day, afable until the cause of the gall is reter the races were over, and felt all the moved. An examination of the harness worse for it." should be made whenever the horse is

UTTERLY WORN OUT.

Vitality Sapped by Years of Suffering



last named is ever present. The best may be kept from spolling, and the kept my system depleted, causing nervwheat lands contain only from 4 to 6 promoters of the new process say that ous chills and night sweats. After tryper cent of organic matter; oats and by this means fresh fruit can be kept ing seven different kinds of climate and rye will grow in soils containing only perfectly fresh for three months. De using all kinds of medicine, I had the 1 or 2. The intelligent farmer should cay is said to be warded off in the most good fortune to hear of Doan's Kidney endeavor to ascertain what is wanting remarkable manner. It is claimed that Pills. This remedy has cured me. I in the soll and supply it, remembering this new vacuum process will revolu- am as well today as I was twenty years

Foster-Milburn Co., Buffalo, N. Y.

e had small idea of the furore his efforts would produce. But Couldn't Deny It.

Prospective Investor-The earthquake, of course, has disturbed property values

Encouraging Him.

The Young Man (ardent, but bashful) Miss Hope, I shall try to show you pire work so tional Bank

The Young Woman-Certainly not, Mr. Wrightsort. You don't make your appearances here often enough for that.

Getting Direct Action. Beryl (at the 'phone)-The idea of

sending a kiss by telephone! Do you suppose I want to be kissed on my ear?

Jasper (at the other end of the wire) Well, can't you put the receiver to your lips for a moment? . . . There !--- Chicago Tribune.

Sold by Druggists, 75c. Hall's Family Fills are the best.

Decidedly Improved.

Mr. Snagsby (rummaging in closet) Maria, this is a new hat, isn't it? Why don't you wear it? It looks better than anything you have worn this season. Mrs. Snagsby-That's my old hat. It dea ers, sent p

blew off my head the other day and was run over by a street car, and I think you are just as mean as you can be !"-Chicago Tribune.

Portland Trade Directory

With Kidney Trouble.



of little use to me for years. The con- MEN'SCLOTHING - Baffum & Pendleton, sole stant flow of urine

Bold by all dealers. 50 cents a box.

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corresponding increase of divorces

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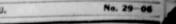




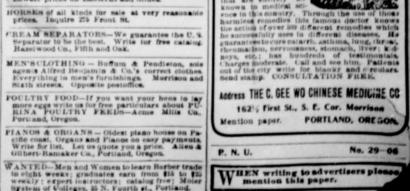




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In a current California report it is

ing better than cedar bean poles.

horse will suffer.

