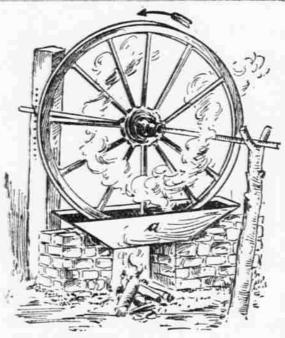


Setting Wagon Tires. There are many jobs that a farmer can do for himself, if he only makes the attempt. One of these, says the American Agriculturist, is the setting of the tires on the wheels of his vehicles. The usual charges at a shop for one wheel will exceed the cost to the farmer of setting all four, and the time spent in hauling them to and from the shop, to say nothing of the trouble and vexation of unsatisfactory work or ruined wheels, is far greater than it would be to do the work himself. To do this, it requires an outlay of only the cost of a metal trough and linseed oil, about half a gallon to a set of wheels, though more than enough to



also improved in some seasons and with some varieties, but during the seasons which favored the perfect development of the fruit the color was not helped. Apparently the use of ashes has a tendency 10 hasten the perfect development of the fruit. Some sea-

sons this ripening process was carried so far where ashes were used that the apples did not keep as well as on plants untreated .- Orange Judd Farmer.

Slow-Germinating Seed.

There are some kinds of seeds, like the salsify, that are so hard and dry that it seems impossible to germinate them quickly enough in spring so as to keep ahead of the weeds. We advise putting such seed in water made almost scalding heat, or about 150 degrees to 160 degrees, for a few minutes at a time, withdrawing the seeds and repeating the scalding until the seed shows signs of swelling. Then plant such seeds, and if the soil is warm the plants will be up as quickly as the weeds. Onion seed may be treated the same way. Some kinds of plants which come up very small and are not conspicuous can be cultivated quite near to the rows by dropping a few radish seed in the row where the more valuable crop is grown. The radish will show sooner than almost any other garden plant, and what radish are thus grown can be pulled out and used by the time the other crop can be seen to hoe closely to it.

The Leaf of Young Grain.

There is much difference in the breadth, size and color of leaf in young grain as it comes up. It is partly dependent on the character of the seed, as the plant sends up its first leaves mainly from the starchy matter which encloses the germ and which the germ uses until it is able to put forth roots into the soil. Barley being larger and heavier than oats has always a broader leaf, though if oats are sown on rich land and somewhat late they will come up with a leaf that looks like barley. But this rank growth early is not regarded favorably by the cultivator, for he knows that it is liable to be followed by rust of stalk or grain later in the season. Harrowing grain that comes up with too small and thin a leaf bruis-

BATTLE-FIELDS. THE

OLD SOLDIERS TALK OVER ARMY EXPERIENCES.

The Blue and the Gray Review Incidents of the Late War, and in a Graphic and Interesting Manner Tell of Camp, March and Battle.

T was a year or two

before the war that

an Illinois boy

sought and was giv-

en a lower-round po-

sition in a Chicago

railway office. He

didn't remain on



that round so very long. His superior detected good metal in him and promotion followed quite rapidly. The fife and drum beats of 1861 caught his ear, heart and mind, but the enlisting officer said: "You will have to stay with your mother a while longa soldier." The answer of the enlisting officer was the signal for an outbreak of an incipient rebellion in the breast of the young railroader; but he held his

peace. He would try another officer at the first opportunity. The next trial was no more successful, but the officer was more considerate. He told the boy to wait for the next war.

In August, 1862, the young railroader was as proud a man as there was in Company A, Seventy-second Illinois infantry, as he raised his hand and swore to serve his country as a soldier for three years or during the war. That day he was made a corporal. Soon after going South the colonel, who had been watching the young fellow, called him to headquarters and said: "Young man, I want you for commissary sergeant." The bashful boy said he was ready for any duty he could perform, and the next day he wore the stripes of a member of the regimental staff, third in rank on that staff.

The Seventy-second Illinois had been sent into a bad part of Mississippi on however, of Gen. Lyon. The main force an important mission. In passing I may be permitted to say that during and the First Iowa and two Missouri those four years of war there were not companies remained in the spot to cover many parts of Mississippi that it was the retreat at daybreak. One of our good for Yankee soldiers to appear in unless they had their guns with them. No State at the South plunged more heartily into the rebellion than Mississippi, the State from which President Jefferson Davis had been sent to the Mexican war as colonel of the Second infantry, to the United States Senate and to President Pierce's cabinet as Secretary of War. The Seventy-second had gone in light marching order, with scant rations, and no wagon train was he listened the sounds grew familiar allowed. It was expected that results would follow the raid so that the trains could soon follow with necessary supplies. But, as was often the case, results were lacking. Rations ran out. The men were hungry, the wagon train rushed down the ravine and soon found more than twenty miles away, and it must encounter much danger of capture if an attempt is made to reach the the form almost entirely covered by troops. Our railroad boy, with the thick underbrush. The drum hung on train, where he belonged, knew that the link of a blackberry bush within something was wrong when orders did his reach, and the little lad was belabor not come for him the second day to join ing the top with sticks. the regiment with rations. The regimental quartermaster was absent, so he called upon the brigade quartermaster and told him that the Seventy-second was out of rations and that he wanted to load some wagons and go to ts relief.

brevet major. He was one of the best soldiers in the regiment, was Major George H. Heafford, now well known as the St. Paul's general passenger agent .-- J. A. Watrous, in Chicago Times-Herald.

Drummer Boy Was a Hero. One of the most pathetic incidents of the civil war, says a veteran, was the killing of the little drummer boy of our regiment at Wilson's Creek.

It was only a few days before we received orders to join Gen. Lyon on his march to what was then called Oak Hill that the drummer of one of our companies was taken sick. The night before we started a negro came within our lines, was arrested and taken to headquarters. He had come for the commendable purpose of telling us of a drummer boy who was willing to enlist. The offer was accepted, and the darky was told to send the drummer on to camp the next morning.

At reveille the lad, who was only 12 years old, appeared. A drum was brought in and the boy was set to manipulate it. The fifer, an unusually tall, stalwart fellow, was also sent for, and er; you are too small and too young for he was astonished at the small mite of humanity calling itself a drummer boy. But the youngster insisted that | Traveler. he could drum after any tune the fifer might strike up, saying that he had drummed for Captain Hill of Tennessee.

> So the two set to work and never better or more martial music was made in the company.

An hour afterward we were on the march, and before the day was over Eddie was the favorite of every man in the company. The juciest melons and the sweetest peaches that the foragers brought in on the way went to Eddie, and during that long march from Rolla to Springfield, little Eddie's legs dangled more than once over the shoulders of the tall, good-natured fifer.

Part of our company during the fight at Wilson's Creek was stationed with Totten's battery, while the rest marched down into a deep ravine with an Illinois regiment. The enemy was hidden in this ravine, and the battery soon drove him to the hillsides with the loss, of our army fell back upon Springfield,



"Wat duz yer mammy give yer when "They are my better two-thirds."yer kitches a cold, Jimmie?" "A lick- Puck. in'."-Cleveland Plain Dealer.

"Telephone girls ought to make good wives." "Why?" "They get in the habit of not speaking unless they are spoken | nately-learn the salutary lesson con-

She-"What is meant by the saying Cleveland Plain Dealer pictures as that a man is convalescing?" He- "hanging to straps in the street car and 'That he has outwitted his doctor, I talking as fast as their tongues could go." suppose."-Topeka Capital.

"The single-scull race!" exclaimed an old lady, as she laid down the paper. "My gracious! I didn't know there was Charley Hawkins was engaged?" a race of men with double sculls!"

Baggs--"It is said that Dame Fortune knocks once at every man's door." Jaggs-"Well, it was her daughter, Miss Fortune, who called on me."-Boston

around the wurruld. Mrs. McLubberty she likes the girl-says she is sweet and -Sure, thot wud be foine! McLubberty -Yis; but t'ink av the cost av gittip' home ag'in!-Puck.

"What is firmness, father?" "Firm- sagely. ness, my boy, is obstinacy in ourselves." "And what is obstinacy?" "Obstinacy is firmness in somebody with that girl. Mabel Thompson, isn't else."-Chicago Evening Post.

cause you didn't have money."-Life.

"I had supposed, until yesterday, doctor, that the days of the bleeding of patients were past." "And so they are. But what changed your mind?" "The bill you sent me."-Harper's Weekly.

Maud-"I think it perfectly disgraceful! Her fiance hadn't been dead six weeks when she married the other man." Mabel-"But you know her Mabel Thompso trousseau would have soon gone out of

What Was Lacking. Pete-I heah yo's bin admitted to full communion wif de Fust Baptist

Chu'ch? Abe (sadly)-Well, no; not exac'ly-

dey won't let me take up de collection yit.-Puck.

His Acknowledgment.

"You admit," said the Judge, severely, "that you married these two women?"

"I did," said the unabashed bigamist,

Overheard.

People who, in public places, discuss the affairs of others seldom-unfortuveyed to two young women whom the

"By the way," exclaimed the one in the military cape, "did you know that The woman in the gray hat gave an

exclamation of surprise.

"Why, no!" she cried. "Who to?" "Oh, nobody that you know, or that anybody else knows, for that matter. She works in a store, or something of the sort. I do think Charley's mother McLuberty-Oi'd loike to take a trip is real good about it, for she declares pretty, and all that, but I believe she does it just to hide her real feelings."

The woman in the gray hat nodded

"I shouldn't wonder at all," she ansounced. "I had heard he was going it? But of course I never thought that

Osmond-"Well, thank heaven, you there was anything in it. I suppose have never seen me run after people they'll live on our street, because who have money." Desmond-"No; Charley owns a house there; but FIL but I've seen people run after you be- tell all the neighbors who she is-Look out, Louisa, the girl beside you's going to get up! Hurry and take her seat."

> Then, in a lower whisper, "Rather stylish-looking girl, isn't she? I'd like to know who she is."

The stranger stopped, and turned with flashing eyes. "I don't believe you would," she said, icily, "but I've no objection to telling you. My name is

WHEEL IN POSITION FOR SETTING.

do the work will be needed, as the trough, while boiling, must be filled so as to cover the felloes.

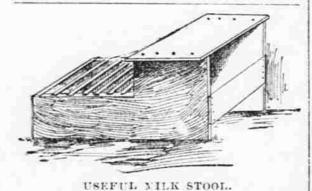
This trough (a) can be made of galvanized iron, by a tinner. Set it on brick or stone in such a way that a fire can be built and kept up under it. Put in enough oil to cover the felloes, and let come to a boil. You are now ready to put in the wheels. The way this is done is shown so plainly in the illustration that description is unnecessary. To prepare the wheels, let them soak in water until the tires are tight, washing out all the mud and dirt possible. After being placed in the oil, the wheel should be slowly turned to prevent charring. The length of time required to boil a wheel depends on its condition, as does the amount of oil it takes for a set. Two sets of wheels can be easily set in half a day. This job will prove far more satisfactory than one performed by a blacksmith, who, often on account of the dry wood swelling after he has shrunk the tire, ruins a wheel by dishing it.

Breeding Turkeys.

The best results in growing turkeys are from yearling hens bred to a gobbler two years old, and three would be still better. The young hen will lay more eggs the first year than she will in any year after, and if she mates with a gobbler two years or over the young turks will be active and vigorous. Watch the hen turkey carefully, and remove her first eggs as soon as laid, lest they become chilled. Two and sometimes three settings of turkey eggs must be taken from the young turkeys and set under common hens before the hen turkey will sit steadily herself. The hen turkey must be confined moraings when she has young chicks, or she will draggle them through the wet grass and thus them.

A Good Milk Stool

Is shown in the accompanying illustration. It is made of two boards 22 inches long and 10 or 12 inches wide. Nine

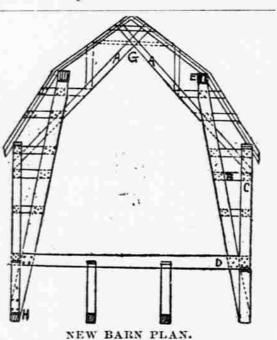


inches from one end saw half way

es these first leaves, and as it also stimulates root growth it causes the plant to send up new shoots with much broader leaves. This dries out the soil, thus preventing the excessive growth later that invites rust.

Barn Truss.

I send sketch of barn bent. I think any one who will give it a thorough study will decide that it is strong, selfsupporting, and no danger of spreading. The purlines and some other timbers are drawn out of proportion to the rest, so that the construction can be understood. The plan is original with myself, and has not been practically tested, but I am confident that there is no possible chance for an out-



ward thrust, for the long brace, A, A, passing through between the timbers forming the purline and on through the short tie B, and through the double studding C, will forever hold the barn from giving out. The purlines may run from the ground sills, passing between the cross sill D, on up to the purline plate, showing the mode of construction at E. The dotted collar beam at F F is to be fastened to the inside rafters on a level with the cross at G. in order to fasten the rangers for a track to run a hay fork. The lower end

of purline at H H is to be cut so as to fit over the sill, and showing spikes to be driven. This frame can be made to resist an indefinite amount of pressure.-J. H. Fisher, in Ohio Farmer.

Migration of Insects.

In the Scientific American, Prof. Holden gives some interesting observations on the migrations of insects. Once in the San Gabriel Valley of California he saw a flight of yellow butterflies

"Has your colonel sent back for rations-has he ordered you to take rations to the men?" asked the captain and A. Q. M.

"No. sir." "Hadn't you better wait for orders?" "I think not, sir. I know that the body had mortally wounded him. Soon boys have no rations. Maybe the reason why no orders have reached us is drummer boy dropped under the tree. because the enemy has captured the messenger."

"Do you suppose that the enemy is be- drummer lad he took off his buckskin tween here and where your regiment 18?"

"I think he is, sir."

"Do you think you can break through | ed the boy on his shoulders and tenderhis lines with a wagon-train charge?" "I would like to try, sir. I am ready he laid his small burden down, little to risk almost anything rather than have the boys go hungry much longer." "All right. Load four days' rations and go to your regiment. Start early to-morrow morning."

"Can't I start to-night, sir? I can reach the regiment by morning, if nothing happens."

"Have your own way."

Within half an hour the young commissary sergeant had called upon the commissary captain, or captain and A C. S.-assistant commissary of subsistwhich passed continuously for three or ence-secured a stock of hardtack, pork, four days to the northeast. For six- fresh beef, coffee, sugar, beans, vinegar teen square miles the column moved, and salt, and just as it was growing and one could not look out doors with- dark he started on his dangerous misout seeing the fluttering bits of yellow | sion-"a fool's errand," as the quarterin the air. Yellow butterflies are fa- master remarked. The sergeant, full of anxiety for his hungry comrades, rode ahead of the wagons with a navy revolver by his side, expecting any moment that he would be challenged. For-

guards was placed on a high eminence from which a good look-out over the entire ravine could be had. The spot was one of the dreariest in the whole surrounding country. With the first streaks of dawn chasing away the hideous noises of the night the guard heard the beating of a drum. The man on the eminence was astonished, fearing that it was the reveille of the enemy, who was nearer than he suspected. But as and he little doubted that it was Eddie beating his drum. The guard was about to desert his post to hunt up the lad, when the officer of the guard with two soldiers approached. One of the men the little fellow with his head leaning against the trunk of an old tree, his lit-

"Give me a drink," was the first thing Eddie said. The man hurried to the creek to fill his canteen. When he returned he discovered that the boy's legs had been shot off by a shell.

"I feel pretty badly, but I don't think I'm going to die," said the brave lad. "That fellow yonder told me I needn't

Near him in the tall grass the soldier discovered another figure. He wore a sergeant's uniform-the gray cloth of the Confederacy. A shot through the after he had fallen the little Tennessee The hero in gray knew that he must die, and seeing the condition of the suspenders, crawled up to the battered youngster and corded his legs below the knee. The soldier who found him load-

ly carried him back to the camp. When Eddie was dead.

Good Price for Pastry.

"One of the pleasantest recollections I have of my army experience was of a little transaction on a pretty June day when I sold a plain old custard pie for the gentle sum of \$100. I had disposed of all my stock except this one old pie, that had been around with me all day. As I was coming across the Long bridge I met a Jersey artilleryman. He stopped me and asked me if I had any pies. At first I was tempted to tell him I hadn't. But he lifted the lid of my big basket and saw the one pie. Then he rammed his hand deep

fashion."-Bazar.

"You ought, like us, to have holidays in honor of your great men," said the Russian beauty. "But in the American year," said the major, "there are only three hundred and sixty-five days."-Philadelphia Press.

about you which reminds me of Cervera's fleet while it was bottled up at Santiago?" He-"Indeed! What is it?" She-"Your mustache. It's such a long time in coming out."-Chicago News. sure you've put all my luggage in?-

"All right, mum." Old Lady-"And sheep, you're certain I've not left anything behind?" Porter-"No, mum, not even a

copper."-Tit Bits. Bridget-"There's a man in the parlor wants to see you, sir." Mr. Ardup been carefully looking over this flock. to take a chair." Bridget-"Sure, sir, that among these two hundred sheep he says he's going to take all the furni- there is not one tender leg of mutton," " ture. He's from the installment company."-Brooklyn Life.

Patent medicine proprietor-Hereafter all testimonials must be accompanbottles of medicine. Clerk-Yes, sir. made in 1638 by Martin German, a Patent medicine proprietor-If these Swedish mine surveyor. The eight people want to see their names in print | shafts now in existence are from 207 they ought to pay for it.-Puck.

"What did Colonel Stilwell say about the brandied peaches we sent to cheer afraid he wasn't strong enough to eat the fruit," replied the little girl, "but that he appreciated the spirit in which it was sent.'-Washington Star.

Mr. Wigsby-See here, my love, there is some mistake; the baggage delivery man has left seven trunks on our front porch. Mrs. Wigsby (who has just returned from the mountains)-Imbecile! Don't you understand? He's coming back after dark for the extra five .-Cleveland Plain Dealer.

Wife (with a determined air)-I want to see that letter. Husband-What letter? Wife-That one you just opened. I know by the handwriting it is from a woman, and you turned pale when you read it. I will see it, sir! Give it to me, sir! Husband-Here it is. It's your milliner's bill.-Tit-Bits.

"You think this man had been drink ing," said the cross-examining attorney; "did he appear to have more than he could carry." "I'll not say that," replied the cautious witness; "but I do think that he would have been wiser to have gone twice after it."-Detroit Free usual heavy living of the Press.

Uncle (to nephew playing the game of war with a companion of his own age)-If you take the fortress within of the year; the forcrunner of into his trousers pocket and pulled out a quarter of an hour I'll give you a

Melancholy Thought.

When a man really gives his thoughts up chiefly to eatables and drinkables, he generally ceases to think of anything else after a while. It is related, in an old book on French cookery, that Fontenelle, a French author of the early part of the eighteenth century She-"Do you know there's something belonging to the school of the pre-

cieuses or literary exquisites, was found one beautiful morning lying at ease on the slope of a hill.

In the valley was a large flock of sheep. They skipped about daintily. Old Lady-"Now, porter, you're quite waiting for their guardian to take them home. A friend of Fonteuelle surprised the big portmanteau and ---- " Porter- him gazing meditatively upon these

> "Aha!" sold the friend; "the amiable philosopher ponders without doubtupon the vicissitudes of life."

"Y-yes," said Fontenelle, "I had! -"I'll be there in a minute. Ask him and I said to my self, 'It is possible'

Salt Mines Worked Since 1240. The salt mines of Wieliezka, near Cracow, Poland, were mentioned in 1044, and have been worked since ied by orders for at least half a dozen | 1240. The first map of the mines was

to 985 feet deep, and the length of the levels now open is 345,000 feet, with 135,500 feet of underground tram lines. his convalescence?" "He said he was Between 1772 and 1892 about three million cubic yards have been excavated for the extraction of salt. Machine drills are now used and compressed powder is employed in blasting; about 1,187 pounds of powder are used per ton of salt produced. The present levels are seven and one-quarter feet high by six and one-quarter feet wide.

Early Mails.

The first postoflice was opened in Paris in 1642, in England in 1581, in America in 1710.

'Courage and Strength

in Times of Danger."

Read the warning between the lines. What is that warning? It is of the danger from accumulation of badness in the blood, caused by the Winter months. Spring is the clearing, cleansing time

through each board and split off the long end. Across the elevated end nail a board about 12 inches long for a seat. Place one-half inch cleats on the lower portion, upon which the pail is to rest. The pail is thus kept clean and is not easily upset.-Orange Judd Farmer.

Good leads.

The latest cure for bad roads is crude cll, experiments with which are being made at the suggestion of good road associations. One barrel of oil is said to be sufficient to create a waterproof strip 100 feet long and 12 feet wide, Major Meigs, a civil engineer of Keokuk. Iowa, claims that no other material is as cheap and effective, and offers to have oil sent to responsible parties wishing to experiment, if they will pay the freight.-Epitomist.

Wood Ashes for Apple Trees. In some tests at the New York Ex- ing, and then, having mixed sufficient periment Station it was found that the lampblack with one pound of neatsfoot tohage was greatly improved in sec- oil, slowly pour that into the melted tions of the crchards treated with fat. Remove the vessel from the fire wood ashes and the trees were freer and stir the compound until cold, so as from scab. The color of the fruit was | to prevent separation of the oil and fat

mous for their mysterious migrations. and sometimes out at sea they will cover the decks and riggings of ships.

Peach Twig Forer.

A correspondent of the Michigan Farmer reports a new enemy on his peach trees. It is a borer, which eats its way into the twigs near the end of the season's growth, killing the twig at that point. Then it burrows in the tree forks and remains until spring, when it enters on a new campaign. It has never been seen until last year, and it is hoped that the severity of the winter, which killed peach trees in so many places, will also make an end of this new enemy to the tree.

Good Harness Cil.

First melt three pounds of tallow at a slow heat, without it frizzling or boil-

coming to him. "'Oh, go to --- with your change." tune smiled, "fairly laughed," to use his own words, and the night ride was | was all the politeness I got for my honwithout exciting events; and just as the esty, and I took up my basket and went

sun was rising he swept into camp with | on.

wagon-loads of uncooked breakfast. "I hadn't gone far before I looked at He had driven about twenty-five miles, the bill, which up to that time I had nearly the whole distance through the supposed to be a dollar note. To my enemy's country. surprise it was a \$100 bill of the Allegheny Bank of Cumberland. That was

"Who gave you orders to bring rations?" asked the colonel. in the last days of the wildcat system "Nobody; I got permission."

of banking. I thought I had been fool-"Report to me when we get to camp." ed with some worthless paper, but rec The sergeant reported and the colonel onciled myself with the thought that said: "Well, I guess we can get along the pie wasn't any better than the bill.

without you for commissary sergeant | In fact, I was sure the pie was bad and any longer. Here is your discharge there was yet some doubt about the from that position." bill. The next day I took it to the bank.

The poor boy was pretty nearly brok- and, to my everlasting surprise, they en-hearted until he opened the envelope | cashed it for \$98.60. The Jerseyman and found a warrant as sergeant major. had evidently won it at poker, and did It was not long before he was made ad- not know its value. He probably jutant of the regiment, and when the thought he was playing a good joke on war was over they told him he was a me."-Washington Star.

a bill. Grabbing the pie with one hand dime. Youngster (a minute later)-Unhe shoved the bill at me and went on. cle, the fortress is taken; now let me glorious Summer. I called out that there was some change have the dime. Uncle-How did you

capitulated.

Fashionable lady member of a parish church (to poor old woman)-"We have got a fine new organ now into our church, and it will be played the first time there on Sunday next. Will you come and hear it?" "Oh, na, na, ma'am," was the reply, "I dinna trouble mysel' wi' the like o' that things. Passaic, N. J. Ye see I canna dance."

"You will observe," said a teacher. "that the higher the altitude attained the colder the temperature becomes "But isn't it warmer up in the mountains?" asked the youth at the foot e the class. "Certainly not," replied the professor; "why do you think it wou be warmer there?" "I thought the a mosphere was heated by the mounta ranges," answered the youngster .- CL. cago News.

the brightness and beauty of

Follow the principle that Nature lays manage it so quickly? Youngster-I down. Start in at once and purify your offered the besieged a nickel and they blood with that gr at specific, Hood's Sarsaparilla. It never disapp ints.

> Tumors-"A tumor as big as a large marble my tongue and instead of letting my physician operate on it, I used my favorite spring tonic, Hood's Sarsaparilla. The bunch soon dis-appeared." MRS. H. M. COBUEN, 579 Mer's SL, Lowell, Mass.

> Rheumatism-"I had rheumatism for years and can conscientiously say that Hood's Sarsaparilla has given me entire relief. As a blood purifier it has helped my children wonder-MRS. S. A. SAGAR, 83 Franklin Avenue, fully.



