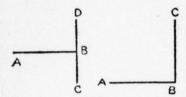


MEASURING TIMBER.

A Simple Device Resembling in Essential Respects the Range Finder of a Warship.

John Page, of Ben Lomond, Santa Cruz county, Cal., describes a plan which he employs for estimating the height of standing timber and which he thinks is not generally known. He takes two straight sticks or weed stalks 12 inches long and joins them at right angles in the manner indicated by the left-hand diagram. That is to say he nuts the end of one at the middle of the other stick. Holding this



MEASURING STANDING TIMBER.

device up before his face, with A at his mose, he brings the point (G) in range with the stump that is to be. Then he backs away slowly until he can bring D in line with the top of the tree. He says that the distance from himself to the foot of the tree will be equal to the height of the latter.

the height of the latter.

The Tribune finds it hard to understand how this device can be used as described, unless the upper end of CD leans backward toward the man's head. It would then be no longer per-pendicular, and the true principle of it would be sacrificed. But if the sticks were put together as in Fig. 2 greater accuracy would be secured. Then AB would be horizontal and parallel with the earth, and BC would be vertical and parallel with the tree trunk. Under these circumstances, the distance from the man's feet to the tree would be equal to the height of the tree. The principle employed is nearly the same as that used on warships at sea to get the enemy's range.—N. Y. Tribune.

TALK ABOUT COWBELLS.

They Are Made To-Day Exactly as Years Ago.

"One of the comparatively few things that the hand of improvement not touched is the cowhell. which is made now just as it was a metal; but most of them are made of iron and finished with a coating of bronze. The cowbell is not cast; it is cut from a sheet of metal, which is folded into shape and riveted. The metal cap at the top, through which the strap is passed, is riveted into the bell. Cowbells are made of ten sizes, whose sounds range through an octave. Sometimes musical enter-tainers who play upon bells of one sort and another come to us and by selection among bells of various sizes, find eight bells that are accurate in

"There are only four factories in the Untied States in which cowbells are made, and in each case the cowbell is only an item of production among other things. Cowbells are sold all over the country, just the same as ever, but much the greater number is sold in the south, the southwest and the west, where farms are larger, less likely to be under fence and cattle are more apt to stray.

American cowbells are exported quite largely to the various countries largely to the various countries of South America and also to Australia,"

FEED-GRINDING NOTES.

The gasoline engine solves the prob lem of quick and efficient power for rapid grinding.

With corn at 30 cents a bushel one can easily pay for a good sweep mill in one season's saving of feed.

For the general farmer the sweep mill is the thing; but for heavy feed-ing the larger mills should be omployed with power.

A sweep mill that will grind from 40

to 50 bushels of dry corn and cob-meal per hour, is a pretty good mill. Grain is valuable as food only when digested and assimilated, and to be valuable for digestion must be erushed, ground and pulverized either

before feeding or by the animal itself. The successful cattle feeder, the one who always tops the market, is the one who can convert the largest one who can convert the largest amount of crude feed into high-priced beef. Grinding feed is a great aid in laying on fat.—Prairie Farmer.

Burning Out Old Stumps.

The easiest way to get rid of stumps in field or meadow is to burn them out. Dig a trench around the stumps about two feet wide and two one-half or three feet deep, cut off all projecting roots quite close and remove the soil as well as possible.
Then leave the stump for a few days to dry. Gather up a lot of dry sticks, brush, etc., and fill up the trench all around and on top of the stump and set it on fire. The stump will be con-sumed in a day or two. Even green stumps may be burned out in this way, although it may require a sec-ond or third supply of dry sticks on the fire to accomplish it.—L. O. Fotto, in American Agriculturist.

GOOD HONEY PLANTS.

A. H. Duff Considers Bokhara Clover Excellent for Bees, for Feed and for Seed.

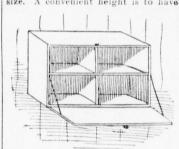
You can greatly improve your honey flow in your locality by putting out honey plants, those that also are useful or ornamental, besides the honey they produce. Perhaps the best honey bearing plants and trees are those that are good for other purposes as well. The most abused and misrepresented, and the best honey-plant that grows, is bokhara clover. What I know about bokhara clover is from my own experience, having thoroughly tested its usefulness not only for honey, but for food and seed. Bokhara is an immense seeder, and will produce ten bushels of seed per acre under or-dinary conditions. This seed has a ready market at wholesale seed houses at from six to ten cents per pound and usually is retailed to growers at from 15 to 20 cents per pound. That bokhara is a good feed for stock I can testify, having used it myself. This clover, like alfalfa, stock do not naturally take to, as they do to some grasses, especially such grasses as grow in the middle and eastern states. where timothy, blue grass and red glover abound. Stock there will usugo around it just as they will alfalfa, if alfalfa grew there as it This being true, and from the fact that bokhara spreads and grows spontaneously on road sides has given the impression to some peo ple that it is only a worthless weed, and for the want of proper investigation and thorough testing it is thus misrepresented.

If I were planting trees for both honey and other uses, I would plant linden or "basswood," as it usually is called, and also catalpa. The linder is very valuable for its white, fine grained wood, and, as a shade tree, scarcely has an equal. The catalpa is noted for its everlasting posts, and in this regard it is said to have no equal. It also is a beautiful shade ree and both the foliage and the blo oms are very ornamental. - A. H. Duff, in Farmers' Voice.

HANDY STABLE CABINET.

Nice Way of Keeping Bottles, Other Little Necessaries.

Many a stable could be kept more tidy, and much valuable time saved during the year, if a cabinet was in some handy position for the keeping of bottles, brushes, combs, cloths, sponges, buckles, pieces of straps, ing to the wall or on a stand a dry goods box of the required shape and size. A convenient height is to have



CARINET FOR STABLE.

it fastened or rest about five feet from the floor. If screwed to the side of the barn, the open top will become the side. Put in shelves, compartments, straps, as tool holders, etc. To close the box, a drop-leaf side is put on by hinging at the bottom fastening supporting straps from the upper corner of the box to the outer corner of the leaf. This will make a table before the closet when open. If this is not desired, put a screw eye in each upper corner, connect with a wire and hang over the wire a thick cloth for a cover .- J. L. Irwin, in Farm and Home.

FOOD AFFECTS WOOL.

Why It Is Important to Provide Sheep with Proper Nourishment the Year Around.

A bulletin of the Michigan station says: The strength of the weakest place in the fiber decides the strength of the whole fiber. So far as the writer has been able to discover there writer has been able to discover there is no special ration, which, if fed to sheep, will produce wool of great strength, nor can we, at any time, say that any special ration is to be recommended to produce a large quantity of wool. It has often been observed that sheep and lambs that observed that sheep and lambs that have been on full feed for long periods shear heavy fleeces of wool.

This would indicate that any ration calculated to keep the sheep in a thrifty condition would be a suitable one for growing large quantities of wool. From what we have said above, the wool grower will understand that the wool grower will understand that it is highly desirable to provide the sheep proper nourishment through-out the year, permitting no periods of neglect to intervene to destroy the strength of the fibers of the fleece. Liberal and judicious feeding does not change the quality of the wool, but it does affect the strength and the quantity of the wool produced by a given sheep. The weight of wool pro-duced is affected both by increasing the length of fiber and by increasing the amount of yolk and natural oil in the fleece.

Never allow capacity to interfere with quality; but when you can secure capacity and perfect grinding in a mill that's the one to buy.

applied directly to the grinding.

HE BASELY DECEIVED HER.

Let Her Think She Was Reforming Habits to Break.

"So your engagement is broken?" said the girl in gray, according to Pearson's Weekly.

"Yes, it is," replied the girl in brown, frowning at the recollection.

"What was the matter?"

"He basely deceived me," answered the girl in brown. "You see, it was this way: I asked him one day to promise me that he never again would smoke cigarettes, and he promised. Then I asked him to refrain from the use of tobacco in any form, and he promised to do that. Later I told him I had a hortor of anyone who touched liquor, and he agreed never to touch it. After that I suggested that I thought clubs had a bad influence on young men and I should expect him to give them up, and he said he would. I also took up the subject of gambling, and made him promise that he would stop piaying cards and betting on the races."

"Well, you didn't demand a great deal of him, did you?" said the girl in gray, "I suppose he deceived you in the matter?"

"He did."

"Broke his promise, did he?"

'He did.'
'Broke his promise, did he?''
'Oh, no! I could have forgiven that. But t when I was congratulating myself that at least had reformed one young man I t when I was congratuating my at least had reformed one young man I and that he didn't require any reforming, e wasn't addicted to a single one of the bits I made him promise to break. It was terrible shock, and I broke the engagement once. There was no longer anything in it make it interesting."

SHE WOULD GET THERE.

It Was None of the Ticket Seller's Business Where She Wanted to Go.

was long, lean, lank and raw-boned, was long, lean, lank and raw-boned, the shambled up to the ticket window a Union passenger station much after ishion of a scared canine when he aphes his master to receive a well-earned ling. He got as far as the outside g and stood there with a bashful blush at the man behind the brass bars, the St. Joseph News. The st. J

where do you want to go? Hurry

up; were do you want to go? Hurry
"Well, sir," he replied, shifting a square
inch of plug tobacco from one check to the
other, "hev you all got enny long-distance
tickets inter Kentucky?"

His case was equaled by that of the old
lady with a sunbonnet, who said:
"I want a ticket to Platte county."
"What place in Platte county?" inquired
the ticket man.
"No place in Platte county; I want to go
to Platte county, and it's none o' your
business where I'm going to visit. You sell
me the ticket to Platte county, and I'll git
there."

IN REAL LIFE.

It Sounded Almost Like a Fairy Tale But the Conclusion Was Commonplace.

"By the way," said the man who had stopped at a farmhouse to water his horse, "15 years ago a poor boy came this way and you took him in." Yes," queried the farmer, somewhat surprised, relates London Answers.

"You were kind to him," went on the stranger. "You fed him, gave him words of encouragement and an old suit of clothes, but five shillings in his poicket and sent him on his way rejoicing. He told you at the time that he never would forget your kindness. Am I right?"

"I bekeve you are," replied the farmer.

"He said that if he prospered he would see that you never had occasion to regret your kindness to a poor, struggling lad."

"Land's sakes!" exclaimed the farmer's wife, excitedly, "it sounds almost like a fairy tale, don't it?"

"Well," continued the stranger, "he told me to tell you that he is still poor."

And as he drove away the farmer went out and kicked the pump viciously, while his wife threw a rolling pin at the chickens.

The Only Complaint.

The Only Complaint.

"What kind of a climate have you here?"

"It's fine," answered the resident. "The only trouble is that the weather gets discouraged and quits too soon. The summers are too short to produce bananas and pineapples, and the winters aren't long enough to raise polar bears."—St. Louis Globe-Democrat

Horrid Fear.

The timid suitor had finally stated his case.
"H-m-m!" began the girl's father, looking
at him sternly. "Young man, can you sup-H-m-m!" began the girl's father, looking at him sternly. "Young man, can you support a family?"

"Great heavens!" cried the young man, "have you lost your job?"—Standard and Times.

What He Wanted.

She—Take care, Alfred; that isn't the remedy for seasickness. Don't you see the bottle is marked "poison."

He (groaning)—That's the one I want.— N. Y. World

Few delights can equal the mere presence of one whom we trust utterly.—George Mac donald.

THE MARKETS.

New York, Oct. 1.—Money—On call 2 per cent. Sterling exchange weak at 485½@485½ for demand. Government bonds steady.

Grain, Provisions and Live Stock.

Flour—Winter patent \$3.70@4.00 Wheat—No. 2 red 81%c.

Corn—No. 2 at 49c. Oats—No. 2 white 27½c. Beeves—Calves \$5.40.

Sheep—Slow at \$2.75@4.10, lambs 1.621/.@5.35. Hogs-Steady.

Cleveland, Oct. 1.—Flour—Winter wheat, patents, \$4.60@4.75.
Wheat—No. 2 red 84c.
Corn—No. 3 yellow 46c,
Oats—No. 2 white 261/4c.

Butter—Best creamery 22½@23c. Cheese—York state 11½@12c. Eggs—Best 17@18c.

Eggs—Best 17@18c.
Potatoes—Best 35@40c.
Cattle—Choice steers \$4.80@5.00,
light \$4.50@4.75, calves \$635@7.00.
Sheep—Choice \$3.75@4.25, fair \$3.50
@3.70, best lambs \$5.15@5.25.
Hogs—Yorkers \$5.55.

Toledo, Oct. 1.—Wheat—Spot 78%c. Corn—No. 2 cash 41½ c. Oats—No. 2 cash 23c.

East Liberty, Oct. 1.—Cattle—Extra .00@5.80. Hogs—Yorkers \$5.65@5.70.

Sheep—Good wethers \$4.00@4.25, lambs \$5.00@5.25. Cincinnati, Oct. 1 .- Hogs-Steady at

Always select a mill that will admit \$2.75\circ 5.00.

Another De Luxe Edition of "A Mes-

Harvard-Americanism and the Cuban teachers.

A limited number of copies of "A Message to Garcia" bound in cloth and boards may be obtained at 50 cents each. A copy of the edition with illuminated paper cover, fully illustrated, will be sent free, post paid, to any address in the world, on receipt of a postage stamp issued by any country on the globe, or it will be sent in packages of 100 each, on receipt of 50 cents for each 100 by George H. Daniels, General Passenger Agent, New York Central & Hudson River Railroad, Grand Central Station, New York.

Try Grain-O: Try Grain-O: Ask your Grocerto-day to show you a package of GRAIN-O, the new food drink that takes the place of coffee. Children may drink it without injury, as well as adults. All who try it like it. GRAIN-O has that rich seal brown of Mocha or Java, but is made from pure grains, and the most delicate stomach receives it without distress. 4 the price of coffee. 15c. and 25c. per package. All grocers.

Right at Home.

We have become so familiar with golf in Atchison that there are several babies in town who are cutting their teeth on the balls.—Atchison Globe.

I do not believe Piso's Cure for Consump-John F. Boyer, Trinity Springs, Ind., Feb. 15, 1900.

Getting a Rest.

wists.

Miss Rocksey—"The count says he wild ide if I don't marry him. Do you think a broken heart ever results fatally?" De Sinick—"No, but starvation does." — Town I caning the starvation does."

Don't Neglect a Cough. Take Some Hale's Honey of Horehound and Tar instanter. Pike's Toothache Drops Cure in one minute. It very often happens that a man's com-

Another De Luxe Edition of "A Message to Garcia."

The Passenger Department of the New York Central seems never to tire of sending out copies of "A Message to Garcia." The latest issue is the first five thousand of the third half-million edition, and is numbered consecutively from 1,000,000 to 1,004,999. It is beautifully printed on heavy piate paper, the illustrations being brought out in a manner equal, if not superior, to the best magazines. The pages have a red line around them, and the book is bound in a grey-blue cloth and heavy boards. It is intended for libraries, and was issued at the request of a large number of American libraries who wanted the "Message" in a permanent binding. This edition contains, in addition to Mr. Hubbard's admirable preachment, a short sketch, with a portrait, of Leitenant-Colonel Andrew S. Rowan, the man who catried "A Message to Garcia," a short sketch, with a portrait, of General Calixio Garcia, the man to whom the "Message" was carried, and a short sketch, with a portrait, of General Calixio Garcia, the man to whom the "Message" was carried, and a short sketch, with portrait, of Mr. Elbert Hubbard, the man who wrote "A Message to Garcia," a short sketch on the press, and comments from well-known educators, clergymen, professional men, and many large employers of men, on the "Message" itself; a sketch of the Cuban Educational Association, and a sketch on Harvard-Americanism and the Cuban teachers.

A limited number of copies of "A Message" itself; a sketch of the Cuban Educational Association, and a sketch on Harvard-Americanism and the Cuban teachers.

A limited number of copies of "A Message A Limited number of copies of the Guban teachers."

A limited number of copies of "A Message of each party, and the tourist of children and the cuban teachers.

A limited number of copies of "A Message of each party, and the tourist of children and the cuban teachers."

Antiquities of Baseball. Antiquities of Baseball.

A north Missouri editor, who first studied baseball rules while a Sunday school boy, enters into the following antiquities of the national game: "The devil was the first coacher. Evestole first. Adam stole second. When Isaac met Rebecca at the well she was walking with a pitcher. Sampson struck out a good many when he beat the Philistines. Moses made his first run when he slew the Egyptians. Cain made a base hit when he killed Abel. Abraham made a sacrifice. The prodigal son made a home run. David was a long-distance thrower and Moses shut out the Egyptians at the Red sea."—Chicago Chroniele.

Try Grain-O! Try Grain-O!

A Clever Turn.—"What a pretty fall hat that is of Mrs. Flypp's." "Yes. That's her summer hat turned around with the back to the front."—Cleveland Plain Dealer.

The stomach has to work hard, grinding the food we crowd into it. Make its work easy by chewing Beeman's Pepsin Gum.

The confusion in other parts of the world enable the suitan of Turkey to look out of the window now and then without quite so much fear of seeing the bill collector.—Washington Star.

PUTNAM FADELESS DYES do not stain the hands or spot the kettle. Sold by all druggists.

manding presence gets him no greater hon-ors through life than to be marshal of the day at a county fair.—Atchison Globe.

A National Reputation.

Comfortable and Inexpensive.
Our parties leave every Wednesday from both Chicago and St. Louis, joining at Denver. Then past the grandest scenery in the world, over the Rio Grande Railroads. A few hours' stop to see Salt Lake City, and on via Ogden to the coast. A special agent is in charge of each party, and the tourist sleeping cars are comfortable and exquisitely clean. Let me give you full particulars. Write and inclose 6 cents in postage for our beautifully illustrated 72-page book on California. F. E. Bell, City Passenger Agent, C., B. & Q. R. R., 211 Clark street, Chicago.

Her Chief Alarm.

"Goodness gracious," exclaimed the gentleman, "this disturbance in China just awful."
"It is so," agreed the old lady. "Wi with all the natives fighting we're j "It is so," agreed the old lady. "What with all the natives fighting we're just as likely as not to have a most distressing tea famine this year."—Philadelphia Press.

Lane's Family Medicine. Moves the bowels each day. In order to be healthy this is necessary. Acts gently on the liver and kidneys. Cures sick headache. Price 25 and 50c.

"Emerson Beaconstreet, making mud pies in your finest attire?" "What matters that, nurse? There should be no complaint until I will make mud pies upon my finest attire." —Boston Courier.

A great, big, overgrown book agent always looks as if he ought to be at something else.—Washington Democrat.

To Cure a Cold in One Day Take Laxative Bromo Quinine Tablets. All druggists refund money if it fails to cure. 25c.





THE REASON more W. L. Donglas \$3 and \$3.50 shoes are sold than any other make is because THEY ARE THE BEST FOR MEN. BEST SHOE. SHOE. aler should keep them; we give one dealer side in each town.

no substitute! Insist on having W. L.

A Very Bad Combine

A Very Bad Sprain

A Very Black Bruise It often happens, but just as often

St. Jacobs Oil

makes a clean, sure, promp cure of both.

~ **************** What Shall We Have for Dessert?



a delicious and healthful dessert. Prepared in two minutes. No boiling! no baking! add boiling water and set to cool. Flavors:—Lemon, Orange, Raspberry and Strawberry. Get a package at your grocers to-day. 10 cts.



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Double Daily Service

New line via Rock ford, Dubuque, Water-loo, For Dodge and Council Bluffs. Buffet Buffe kets of agents of I. C. R. R. and connecting s. A. H. HANSON, G. P. A., Chicago.

Jellycon Desserts

Are so much easier to prepare than the old fashioned gelatine. With Burnham's Hasty Jellycon there is nothing to do but dissolve it in boiling water and set away to cool. It is already sweetened and flavored. Get a package to-day at your grocer's. The flavores are: Orange, lemon, strawberry, raspherry, peach, wild cherry and unflavored "calisfoot" for making wine and coffee jellies.

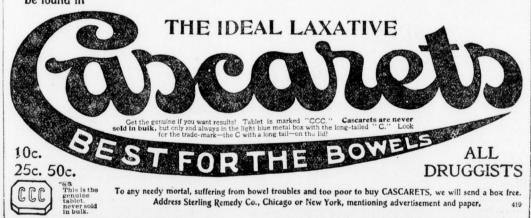
W. L. DOUGLAS SHOE CO., Brockton, Mass. How Are Your Bowels?

About the first thing the doctor says--

Then, "Let's see your tongue." Because bad tongue and bad bowels go together. Regulate the bowels, clean up the tongue. We all know that this is the way to keep and look well.

You can't keep the bowels healthy and regular with purges or bird-shot pills. They move you with awful gripes, then you're worse than ever.

Now what you want is Cascarets. Go and get them today--Cascarets--in metal box with the long-tailed "C" on the lid-cost 10c. Be sure you get the genuine! Cascarets are never sold in bulk. Take one! Eat it like candy, and it will work gently-while you It cures, that means it strengthens the muscular walls of the bowels, gives them new Then they act regularly and naturally. That's what you want. It's guaranteed to be found in



Address Sterling Remedy Co., Chicago or New York, mentioning advertisement and paper.