

What is Pe-ru-na.

Are we claiming too much for Peruna when we claim it to be an effective remedy for chronic catarrh? Have we abundant proof that Peruna is in reality such a catarrh remedy? Let us see what the United States Dispensatory says of the principal ingredients of Peruna.

Take, for instance, the ingredient hydrastis canadensis, or golden seal. The United States Dispensatory says of this herbal remedy, that it is largely employed in the treatment of depraved mucous membranes lining various organs of the human body.

Another ingredient of Peruna, corydalis formosa, is classed in the United States Dispensatory as a tonic.

Cedron seeds is another ingredient of Peruna. The United States Dispensatory says of the action of cedron that it is used as a bitter tonic and in the treatment of dysentery, and in intermittent diseases as a substitute for quinine.

Send to us for a free book of testimonials of what the people think of Peruna as a catarrh remedy. The best evidence is the testimony of those who have tried it.

Tallest Tree in the World.

The tallest tree in the world so far as has been ascertained is an Australian gum tree of the species eucalyptus regnans, which stands in the Cape Otway range. It is no less than 415 feet high. Gum trees grow very fast. There is one in Florida which shot up forty feet in four years and another in Guatemala which grew 120 feet in twelve years. This corresponds to a rise of ten feet in a year, or nearly one foot per month.

Too Much Swimming Hole.

Nonh was plainly grumpy. "Drat that dear old swimmin'-hole poetry," he exclaimed. Throwing down the paper, he anxiously peered for land.—New York Sun.

All in the Name.

"Here, you!" said the aristocratic owner of the corner building. "What are you putting up this measly clapboard shack alongside of my house for?"

"Shack nothin'!" answered the business-like youth who was superintending its erection, with equal arrogance. "This is a shoe shinin' parlor."

A Bright Lad.

"That's a powerful boy of your'n, Ike," said a prominent citizen of Polkville, Ark.

"You betcha!" proudly replied the parent of the prodigy. "He can swear like a pirate and the little feller's only 5 years old and hain't never been in sight of the ocean in his life, neither!" —Puck.

We Explained.

"How many horse power is she?" he mirthfully inquired.

The stranded automobilist was working over his car. Up came a sarcastic follower of the plow.

"Sixty," replied the automobilist.

"Then, by heck, why don't she go?"

"Because, my friend, thirty are pulling each way." —Cleveland Plain Dealer.

Quality IS OUR MOTTO

Said an Employer: "Stick to quality. It will win out in the end." We do "stick to quality." That is the reason our graduates are so thorough and in such demand. Investigate our claims to superiority. Catalogue, business forms and penwork free. Call, phone or write.

Portland Business College

Tenth and Morrison, Portland, Oregon
A. P. ARMSTRONG, LL. B., PRINCIPAL

For Coughs and Colds

There is a remedy over sixty years old—Ayer's Cherry Pectoral. Of course you have heard of it, probably have used it. Once in the family, it stays; the one household remedy for coughs and hard colds on the chest. Ask your doctor about it.

"I have had pneumonia three times, and Ayer's Cherry Pectoral has brought me safely through each time. I have just recovered from my last attack, aged sixty-seven. No wonder I praise it."—E. V. HIGGINS, Stevens Point, Wis.

Made by J. C. Ayer Co., Lowell, Mass.
Also manufacturers of
Ayer's
SARSAPARILLA,
PILLS,
HAIR VIGOR.

Ayer's Pills increase the activity of the liver, and thus aid recovery.

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H. H. CLARKE, (late of Portland Hotel) Mgr

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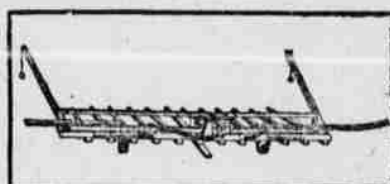
I. M. WALKER, Pres. SEND FOR CATALOGUE O. A. BOSSERMAN, Sec.



A Sweep Rake.

The two main pieces in the frame of the sweep are made of 2 1/2 by 4 inch pine scantling; they are 12 feet long and about 20 inches apart. The teeth are made of 2 by 4 inch scantling, and are 9 feet long; they are beveled on the lower side to slide over uneven ground. The arms for hitching the whiffle trees to should project about 2 feet 6 inches over the end of the sweep; these are made of 2 by 5 inch stuff. The guide-arms should be 9 feet long by 2 1/2 by 3 inches. Each has about a foot of chain with a ring on the end to fasten to the breast strap of the harness.

The hay guard can be made of 2 by 3



THE SWEEP RAKE.

inch stuff; this is raised about a foot above the sweep to keep the hay from sliding back too far over the sweep. It should be braced about four feet from each end.

The wheels are 18 inches in diameter; and a piece of inch gas pipe is used for an axle. It is clamped to the teeth, two pins with washers being used to keep the wheels from sliding sideways and rubbing against the teeth.

The piece projecting at the back under the sweep should extend about two feet; it is beveled like a sleigh runner; it is to keep the teeth from raising too high where riding on the empty sweep.

In hitching horses to a sweep that have never been used on one a person can get best results by tying the halter shank to the end of the guide-arms and making both lines the same length on the harness; then fasten one line to each ring of the bit. When it is desired to turn the horses to the right, simply hold the off horse back, and drive the high one ahead, and he will naturally swing around to the right.

In drawing a sweep load of hay on to the stacker draw it as far ahead as possible, then back the horses and raise ends of teeth, and drive ahead again; this will pack the hay on the stacker and less of it is apt to fall back on the ground when being raised to the stack. The most convenient size of stack to build is 16 feet wide by about 28 feet long.—Montreal Star.

Simple Egg Tester.

The average person evidently imagines that it is impossible for the dealer to distinguish between bad eggs and good eggs. This supposition is natural, inasmuch as many eggs of questionable purity reach the dinner table. If the dealer desired he could readily discard eggs of doubtful age, as there are numerous devices for testing them. One of the most recent is shown in the accompanying illustration, patented by a Minnesota farmer.



EGG TESTER.

It consists of a wooden frame or casing across the top of which is a leather support for the eggs, the latter resting in flexible apertures. In the bottom of the casing is an inclined mirror. Mounted on the upper part of the frame is a light-reflecting hood in which is placed a lamp or other suitable illumination. In operation eggs are placed over the aperture, and the light falling on the eggs will cast a shadow upon the mirror if they are unsound. The soundness of the eggs is indicated by the clearness of the light that falls through them upon the mirror.

Eradicating Wild Mustard.

One of the most pestiferous weeds is the wild mustard, but recent experiments in Wisconsin seem to give promise that it may be quite easily and cheaply exterminated. It has been known for several years that spraying a field with blue vitriol would kill mustard without injuring the grain which is growing. But the attendant expense has been the chief objection to a wide use. The Wisconsin station has been making some tests with copperas, or iron sulphate, that indicate that it is quite as effective as the bluestone, and

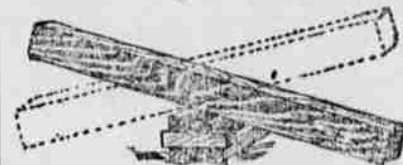
cheaper, as 60 cents will furnish enough to treat an acre. Similar successful experiments have been made with copperas by the Cornell station. Some three years ago the California station tried spraying with blue vitriol to hold in check mustard on its cereal plantings at Yuba City and came to the same conclusions as did the Wisconsin station. At Davis during the present season experiments in a limited way were tried with copperas, but owing to the lack of facilities for properly applying the compound results were not satisfactory. The work will be repeated another time with the most approved appliances.

Learn How to Sell.

Along the farmer has no more chance with the market combine than a rabbit has with a hungry bulldog. Collectively he may hold his own and get a fair price for his produce. Figure a bit. Five cents a bushel added to the price of wheat means a gain of \$1 to \$1.50 per acre. One-half a cent per pound means a gain of \$5 in every 1,000 pounds of beef or pork or mutton. Co-operation in selling will bring these advances and more. Twenty-five cents a bushel added to the sweet potato crop in four years has raised the growers of Tidewater County, Virginia, from poverty to respectable wealth. Southern cotton growers have made \$3,000,000 a year clear profit above the average by sticking together. Organization is the "big stick" of commerce and it is time for farmers to learn to use it.

Lifting Heavy Timbers.

When it becomes necessary for one man to handle a heavy weight, such as a log or barn timber which must be lifted, it can be done without a strain by making use of the trick shown in the sketch. Using small blocks, build a crib under the center of the log by lifting up one end, allowing the log



TRICK IN TIMBER HANDLING.

to balance near the center. When lifted as shown in dotted outline place another timber under the long end, and then repeat the operation.—Farm and Home.

Tomatoes from Italy.

Tomatoes are imported in increasing quantities each year from Italy. The quality of these tomatoes is stated to be good and the prices low. Large quantities of canned tomatoes are also shipped now each season from Italy to the eastern part of the United States, and the American shipments to Italy are much smaller than formerly. It is suggested by one of the leading importers in Liverpool that the American tomatoes are frequently packed before they are fully ripe, and that this practice renders them undesirable for use. The Italian tomatoes are carefully selected, and are only packed after they have attained a ripe and rich color.

Are We Scrub Farmers?

We are all apt to practice scrub methods of farming. For instance, we allow the winter to pass without making the necessary preparation for spring work. We plow around stumps and big stones year after year; we plow through mudholes and harvest a crop of weeds when a few tiles and a little labor would cause them to grow the best crops on the farm. We do not mow our roadsides and we allow our grass to become overripe before we cut it. Doesn't pay.

Keep Digging in the Corn Field.

Some ambitious farmers are anxious to lay by the corn field very early; but it is not wise, for the grass and weeds are always more forward to grow about this season than any other, and the ground will become very foul where the corn is too early laid by and, more than this, a great proportion of the nourishment of the crop is derived from the air and dew conveyed to the roots. This can be done only when the surface is free from weeds.

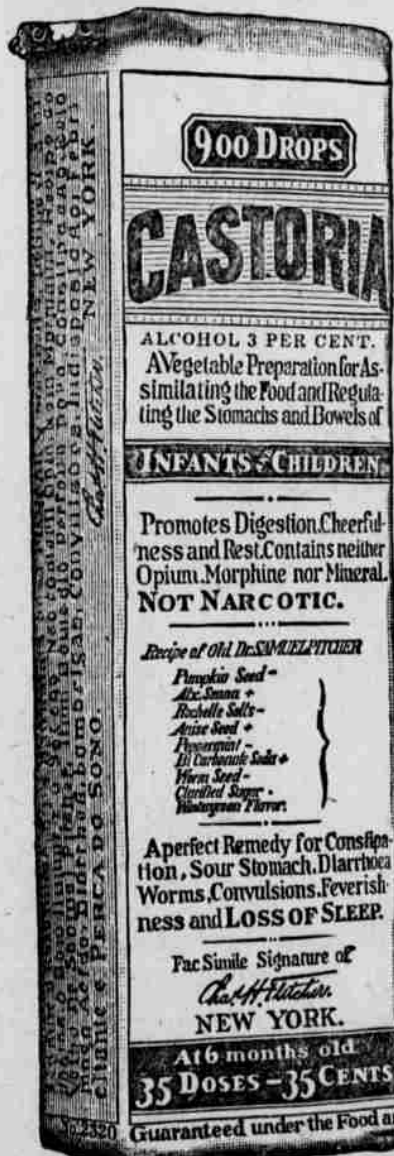
Invest in a Sprayer.

No farm work pays better than spraying the trees, berry bushes and grape vines. Attention to this matter at the proper time assures immunity from insect enemies and good crops of perfect fruit are the results. Don't spray fruit trees while the bloom is on, for that kills bees and bees are valuable assistants in pollenizing fruits. A spraying outfit for the farm need not be large and costly, and will have its own value the first year it is used.

What is Castoria.

CASTORIA is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is pleasant. It contains neither Opium, Morphine nor other Narcotic substance. Its age is its guarantee. It destroys Worms and allays Feverishness. It cures Diarrhoea and Wind Colic. It relieves Teething Troubles, cures Constipation and Flatulency. It assimilates the Food, regulates the Stomach and Bowels, giving healthy and natural sleep. The children's Panacea—The Mother's Friend.

The Kind You Have Always Bought, and which has been in use for over 30 years, has borne the signature of Chas. H. Fletcher, and has been made under his personal supervision since its infancy. Allow no one to deceive you in this. All Counterfeits, Imitations and "Just-as-good" are but Experiments that trifle with and endanger the health of Infants and Children—Experience against Experiment.



Letters from Prominent Physicians addressed to Chas. H. Fletcher.

Dr. F. Gerald Blattner, of Buffalo, N. Y., says: "Your Castoria is good for children and I frequently prescribe it, always obtaining the desired results."

Dr. Gustave A. Eisengraeber, of St. Paul, Minn., says: "I have used your Castoria repeatedly in my practice with good results, and can recommend it as an excellent, mild and harmless remedy for children."

Dr. E. J. Dennis, of St. Louis, Mo., says: "I have used and prescribed your Castoria in my sanitarium and outside practice for a number of years and find it to be an excellent remedy for children."

Dr. S. A. Duchanan, of Philadelphia, Pa., says: "I have used your Castoria in the case of my own baby and find it pleasant to take, and have obtained excellent results from its use."

Dr. J. E. Simpson, of Chicago, Ill., says: "I have used your Castoria in cases of colic in children and have found it the best medicine of its kind on the market."

Dr. R. E. Eskildson, of Omaha, Neb., says: "I find your Castoria to be a standard family remedy. It is the best thing for infants and children I have ever known and I recommend it."

Dr. L. R. Robinson, of Kansas City, Mo., says: "Your Castoria certainly has merit. Is not its age, its continued use by mothers through all these years, and the many attempts to imitate it, sufficient recommendation? What can a physician add? Leave it to the mothers."

Dr. Edwin F. Pardee, of New York City, says: "For several years I have recommended your Castoria and shall always continue to do so, as it has invariably produced beneficial results."

Dr. N. B. Sizer, of Brooklyn, N. Y., says: "I object to what are called patent medicines, where maker alone knows what ingredients are put in them, but I know the formula of your Castoria and advise its use."

GENUINE CASTORIA ALWAYS
Bears the Signature of

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