

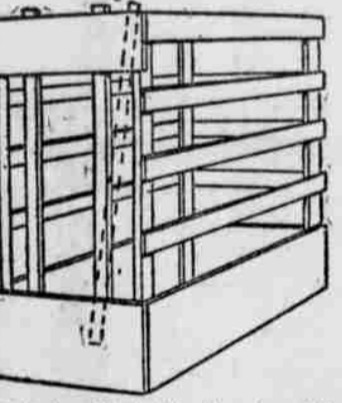
FOR THE FARMER AND STOCKMAN

Animal For the Farmer.
The highest finished animal is not usually the proper one for the general farmer. Leave them for the breeders. The farmer needs a bull of good strong vitality, and not one that requires a skilful feeder to reduce him to breeding condition. Look for a good individual in the pink of breeding condition.

Dairy Barn Implements.
Every dairyman should endeavor to have as many labor-saving appliances around and in his barn as possible. For instance, the removal of manure from a dairy barn entails a great deal of hard work. However, the work may be greatly lessened if the farmer will install a manure carrier, which runs on a track. These carriers cost little in comparison to the amount of labor they save.

Every dairy farmer should have a manure spreader. One spreader may do the work of several men in the spreading of manure on the fields. The manure is spread more evenly, and each ton returns more value for this reason. No dairy farmer can afford to be without a manure spreader.—Weekly Witness.

Shipping Crate.
The size of the crate will depend upon the size of the calf to be shipped. For an ordinary six or eight months' calf the crate should be three and a half feet high and eighteen inches wide. It is nailed solid, with the exception of two stanchion strips in the front end, which are made removable



so as to be adjusted to the size of the calf's neck. The top of the crate is open, and the quickest way is to lift the calf into the crate through the top. If desired, suggest Farm and Home, a small feed box can be attached to the bottom of the front end of this crate.

Ginseng Culture.
Please advise me through your paper as to the kind of soil adapted to the raising of ginseng. How should it be planted to insure best results?
—P. E. M.

Answer.—The best soil for ginseng culture is a moist, mellow, deep loam, light rather than heavy, and well supplied with decaying vegetable matter. It must be free from stones, clods or other obstructions that might cause a branching of the roots. There should be a suitable subsoil affording a good natural drainage. If such a soil is used it will retain the proper supply of moisture. The seeds should be planted in the fall, one or two inches apart and about an inch deep. It is important that they receive plenty of moisture. When the seed are planted the bed should be covered an inch deep with leaf mold. No cultivation but simply weeding in needed in the spring when the plants appear. The plants should be transplanted into permanent beds in the second autumn.—Indiana Farmer.

An Easy Life on Land.
"It is interesting to note," says Henry Wallace, writing home from England, "how English farmers, who almost universally pay much higher rents than are paid in this country, can afford to live as well as they do. In point of fact, the tenant on the English farm has as much or more capital than is required to buy a farm in the Mississippi Valley, and he lives a much easier life than does the tenant on the average American farm."

"Wherever we have found a man with eighty acres or over of good land we have found a chap who has a pretty good time of it. He does not work much, sometimes not at all, simply bossing the job. At other times he works a little, sometimes a good deal, but he fills our idea of a business man rather than of a tenant farmer. He attends the markets and sales, buys wisely, feeds judiciously. Whatever the breed may be, he has a good class of cattle. In fact, he could not come out whole with anything else. By force of circumstances, he must use his brains in his farming; and whenever circumstances force us to use brains rather than muscular labor the result will be very evident on our farms."

The Best Potatoes.
Again let us urge potato growers to save their seed from the big hills of uniform fine potatoes at digging time, when it is easy to see and know the company the potatoes have been keeping. This is the time and the only time it is possible to get the best seed potato. If we wait until the potatoes are in the cellar it will be impossible to tell whether the one large potato we select is one of eight or ten large potatoes in the hill, or the only at all decent one among many cannot be so personal so far as the one buyer is concerned, it can be personal from the standpoint of the dealer.

The Ideal Ad.
It does, by the use of type and picture, as near as possible, what a good salesman would do.

The personal salesman has the advantage of having his customer face to face.

Therefore, while the advertisement cannot be so personal so far as the one buyer is concerned, it can be personal from the standpoint of the dealer.

Londoners live, on an average, to an age of fifty-seven years. In most parts of England the standard is less than this, more than all the other

Map of the World 150x100
to be made by Bailey Willis, the New York City.—Bailey Willis, of the United States Geological Survey, who has been attending a scientific congress in London, returned with plans for the construction of a composite map of the world to be 150 by 100 feet. Each European country represented in the congress and Australia and India are going to contribute a certain number of sheets, giving in detail all that is known of their particular sections of the world. There will be 2400 sheets in all.



ASTRONOMICAL CALCULATIONS FOR 1910.

Being the Second After Bissextile, or Leap Year; and Until July 4th, the 134th Year of the Independence of the United States.

ECLIPSES FOR THE YEAR 1910.
In the year 1910 there will be four eclipses, two of the Sun and two of the Moon.

I. A total eclipse of the Sun, May 8-9, visible in Tasmania as total and in Australia as a partial eclipse.

II. A total eclipse of the Moon, May 23-24, visible in United States. Moon enters total shadow, May 23, 10 h. 46 m. P. M. Middle of eclipse, May 24, 0 h. 34 m. A. M. Moon leaves total shadow, May 24, 2 h. 22 m. A. M. Magnitude of the eclipse, 1.10 of the Moon's diameter.

III. A partial eclipse of the Sun, November 1. Visible in Siberia, Japan and Korea.

IV. A total eclipse of the Moon, November 16, visible in the United States. Moon enters total shadow, November 16, 5 h. 44 m. P. M. Middle of eclipse, November 16, 7 h. 21 m. P. M. Moon leaves total shadow, November 16, 8 h. 58 m. P. M. Magnitude of eclipse, 1.13 of the Moon's diameter.

REIGNING PLANET.
Jupiter is the reigning planet this year.

CARDINAL POINTS.
Vernal Equinox, entrance of the Sun into Aries, March 21, at 7 o'clock in the morning.
Summer Solstice, entrance of the Sun into Cancer, June 22, at 3 o'clock in the morning.
Autumnal Equinox, entrance of the Sun into Libra, September 23, at 5 o'clock in the afternoon.
Winter Solstice, entrance of the Sun into Capricorn, December 22, at 12 o'clock 15 m. at noon.

EVENING AND MORNING STARS.
Venus will be evening star (setting after the Sun) until February 12, then morning star (rising before the Sun) until December 5, then evening star until the end of the year.
Mars will be evening star until September 22, then morning star until the end of the year.
Jupiter will be morning star until April 3, then evening star until October 15, then morning star until the end of the year.
Saturn will be evening star until April 17, then morning star until October 24, then evening star until the end of the year.

THE BEGINNING OF THE SEASONS.
Winter Solstice, 1909, beginning of Winter, December 22, 6 h. A. M.
Vernal Equinox, 1910, beginning of Spring, March 21, 7 h. A. M.
Summer Solstice, 1910, beginning of Summer, June 22, 3 h. A. M.
Autumnal Equinox, 1910, beginning of Autumn, September 23, 5 h. P. M.
Winter Solstice, 1910, beginning of Winter, December 22, 0 h. A. M.

DURATION OF THE SEASONS.
Sun in Winter Signs, 89 d. 1 h.
Sun in Spring Signs, 92 d. 20 h.
Sun in Summer Signs, 93 d. 14 h.
Sun in Autumn Signs, 89 d. 19 h.

Tropical Year, 365 d. 6 h.
Sun North Equator, 186 d. 10 h.
Sun South Equator, 178 d. 20 h.
Difference, 7 d. 14 h.

FIXED AND MOVABLE FEASTS OR CHURCH DAYS.
New Year's Day, January 1.
Conversion of St. Paul, January 25.
Septuagesima Sunday, January 23.
Sexagesima Sunday, January 20.
Purification B. V. M., February 2.
Quinquagesima Sunday, February 6.
Shrove Tuesday, February 8.
Ash Wednesday (Lent begins), February 9.
Quadragesima Sunday, February 13.
St. Valentine, February 14.
Mid-Lent Sunday, March 6.
St. Patrick's Day, March 17.
Palm Sunday, March 20.
Good Friday, March 25.
Easter Sunday, March 27.
Low Sunday, April 3.
St. George, April 23.
St. Mark, April 25.
Saints Philip and James, May 1.
Rogation Sunday, May 1.
Ascension (Holy) Thursday, May 3.

Whit Sunday (Pentecost), May 15.
Trinity Sunday, May 22.
Corpus Christi, May 25.
St. Barnabas, June 11.
St. John the Baptist, June 24.
Saints Peter and Paul, June 29.
St. James, July 25.
Transfiguration, August 6.
St. Bartholomew, August 24.
St. Matthew, September 21.
Michaelmas (St. John and Angels), September 29.
St. Luke, October 18.
Saints Simon and Jude, October 28.
Thanksgiving Day, November 24.
Advent Sunday, November 27.
St. Andrew, November 30.
St. Thomas, December 21.
Christmas Day, December 25.
St. Stephen, December 26.
St. John the Evangelist, December 26.
Holy Innocents, December 28.

CHRONOLOGICAL CYCLES FOR 1910.
Dominical Letter B
Golden Number 11
Epaet (Moon's age, Jan. 1) 19
Solar Cycle 15
Age of the word (Mosaic), 5903.

HALLEY'S COMET APPEARS.
It seems that Dr. Wolf, of Heidelberg, was the first astronomer to photograph the reappearance of Halley's Comet in 1909. His telegram stated that he found it Sunday, September 12, just within the confines of the constellation Centaur, near the boundary of Orion; and that it was of the sixteenth magnitude. By some this is believed to have been the "Star of Bethlehem." Its reappearings since the thirteenth century seem to have been coincident with many disastrous events, which has tended to increase the superstitious belief in the malign influence of comets. This comet should be an interesting celestial object well into 1910, rising at first before the Sun, on May 8, about 2 p. m. It will pass near Pollux and Gemini June 9, after its conjunction with the Sun, when it ought to be at its greatest brilliancy as an evening star, setting about 2 hours 30 minutes after the Sun, at about the close of evening twilight.

A HAPPY NEW-YEAR.
By Anne M. Pratt.

From Oregon to Texas, from Florida to Maine, The plegant New-year's greetings are flying like the birds, and if we can remember All their meaning till December We shall fill the days with kindly deeds and loving, thoughtful words.

Prominent People.
Francis J. Heney has resigned as Assistant District Attorney of San Francisco.
William Powell Frith, a noted English artist, died in London in his ninetieth year.

Items of Interest.
President Zelaya has transferred his property in Nicaragua to foreigners.
Attorney-General Wickersham asked Congress to provide \$50,000 for carrying on the sugar fraud prosecutions.

PENNSYLVANIA

Catch Counterfeiters.
Altoona.—Secret Service Officer Washer, of Pittsburgh, arrested Lewis C. Stalter at his home in this city on the charge of counterfeiting. Washer came here to investigate the complaints received concerning the flood of counterfeit nickels and dimes apparently being distributed from this quarter. From information received he decided to surprise Stalter in his home. Stalter, seeing no escape, acknowledged his guilt and surrendered his outfit, consisting of a complete counterfeiting plant and a quantity of counterfeit nickels and dimes. Fourteen years ago Stalter was arrested for a similar offense and served time. For many years he has had no occupation and no visible means of support, although living well.

Stumble Causes Death.
Ashland.—A rush of white damp at the Blast colliery of the Philadelphia and Reading Coal and Iron Company caused a fall of coal and rock in a narrow shaft thirty-four men were working. Although none of them was caught in a fall, they made a mad rush to get out of the gas-poisoned passage when they learned of a great body of the most poisonous mine gases. All escaped but one, William Schultz, of Ashland. Several miners volunteered to go back and they found him lying on the ground in an unconscious condition. He had fallen in rushing to safety and was probably stunned and before he could recover the gas got in its deadly work.

Counterfeit Money At Shenandoah.
Shenandoah.—Many counterfeit quarter and half dollar coins are in circulation in this city. In the past two days no less than a half-dozen prominent merchants were victims, besides a number of small store-keepers. The spurious coins are of 1909 denomination and are almost perfect, except in weight.

Green Tobacco Goes Up In Smoke.
Lancaster.—Sparks from a defective fuse set fire to and destroyed the tobacco barn on the farm of Silas Groff, at Paradise. Four acres of tobacco and many farming implements were burned, entailing a loss of \$1,200.

Form Natural Science Society.
Pinegrove.—The Schuylkill County Association of Natural Science has been organized to study geological formations and outcroppings and steps have been taken to secure a charter. The officers are: President, Ben H. Ray; vice president, Levi Miller; treasurer, Dr. H. P. Hess; secretary, E. P. Barr.

Shot In Back.
Stroudsburg.—Returning from a birthday party, Clinton Staples, 23 years old, of Anasimink, was shot in the back by an unknown person. The bullet passed through his body. He with a number of others alighted from the wagon in going up a steep hill. Staples took a short cut through the woods and was shot when he emerged from it.

To Inspect Schuylkill.
Harrisburg.—Fish Commissioner William E. Meehan directed Chief Warden Crieswell and a force of deputy wardens from eastern counties to make an inspection of the Schuylkill River. The inspection was ordered by the commissioner because of complaints made to him by persons living along the stream, who declared the river is polluted by coal tar, gas works waste, chemicals and other substances from manufacturing plants.

Rob Cash Box During Church.
Ashland.—A cash box in the Methodist Church was robbed of about \$40 during services. There is no clue to the identity of the thief.

Jacob Felix, 94, Dies.
Reading.—Jacob Felix, Reading's oldest retired undertaker, died of pneumonia, aged 94 years. He came here from Dauphin County in 1874, and was engaged in the undertaking business up to a few years ago.

Pastor Robbed While Preaching.
Chester.—The parsonage of the Ridley Park Methodist Episcopal Church was broken into by thieves while Rev. Dr. and Mrs. Robert Hetherington were at church. The burglars ransacked every bureau and closet in the house, securing a large quantity of silverware, trinkets and a sum of money.

Shamokin Man Killed By Train.
Shamokin.—Albert Tiekner, a well-known resident, was run down by a Reading Railway passenger train here and killed.

Workman Boils To Death.
Mt. Carmel.—Michael Popov, employed at the Alaska colliery, fell into a tank of boiling water, and was dead when recovered.

Falls 90 Feet; Hurts Some.
Mt. Carmel.—John Wargo, aged 35 years, while going to work at the Richards colliery fell down a mine cave-in on the mountainside. He fell ninety feet and escaped with a broken nose, fractured leg and sprained arm.

An irrigation project to cost \$25,000,000 is on the cards in Argentina, the principal railroads to do work and be paid by the government in 5 per cent. irrigation bonds, with the water rentals to take care of the bonds.

Boomerangs are now made of celluloid and hard rubber. Celluloid is better than cardboard because it is waterproof, light, very hard to break and can be worked into the peculiar curve and twist so necessary to give the boomerang its singular properties.

Norway has a permanent pharmacopoeia commission, consisting of three proprietors of pharmacies and three professors of medicine. The first Norwegian pharmacopoeia was published in 1854, the second in 1870 and the third in 1895.

Boston University, according to its new year book, has an attendance of 1,514 in all its departments. Of these, 962 are men and 552 are women. The chief increases are in the College of Liberal Arts, the Conservatory for teachers, and the School of Theology.

We Give Away Absolutely Free of Cost

The People's Common Sense Medical Adviser, in Plain English, or Medicine Simplified, by R. V. Pierce, M. D., Ch. of Obstetrics, Physician to the Invalids' Hotel and Surgical Institute at Buffalo, a book of 1098 large pages and over 700 illustrations, in strong paper covers, to any one sending 21 one-cent stamps to cover cost of mailing only, or, in French Cloth binding for 31 stamps. Over 680,000 copies of this complete Family Doctor Book were sold in cloth binding at regular price of \$1.50. Afterwards, one and a half million copies were given away as above. A new, up-to-date revised edition is now ready for mailing. Better send NOW, before all are gone. Address: WORLD'S DISPENSARY MEDICAL ASSOCIATION, R. V. Pierce, M. D., President, Buffalo, N. Y.

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THE ONE REMEDY for women which contains no alcohol and no habit-forming drugs. Made from native medicinal forest roots of well established curative value.

MAPLEINE
A FLAVOR that is used the same as cream or vanilla. By dissolving granulated sugar in water and adding Mapleine, a delicious syrup is made and keeps better than maple. Mapleine is sold by grocers. Send 20 stamps for sample and recipe book. **Onward Mfg. Co., Seattle.**

WIZARD OIL GREAT FOR PAIN
THE OIL THAT PENETRATES

A New York branch of the Young Men's Christian Association has opened a night course for students in aeronautics.

For COLDS and GRIP.
Rick's "Catharine" is the best remedy—relieves aching and feverishness—cures the cold and restores normal conditions. It's liquid-effects immediately. 10c, 25c and 50c at drug stores.

The State of Jalisco has long been known as one of the richest in the Republic of Mexico in agriculture and mining.

Rheumatism Cured in a Day.
Dr. Detchen's Relief for Rheumatism and Neuralgia radically cures in 1 to 3 days. Its action is remarkable. Removes the cause and disease quickly disappears. Best dose greatly benefits. 50c and \$1. All druggists.

A translation of the scriptures into modern, idiomatic Spanish is being prepared for use in Porto Rico, Cuba, Mexico and South America.

Dr. Pierce's Pleasant Pellets cure constipation. Constipation is the cause of many diseases. Cure the cause and you cure the disease. Easy to take.

The coal production of France is insufficient for her needs, although in the last ten years it has increased from 30,000,000 to 36,000,000 tons.

To Cure a Cold in One Day.
Take Laxative Broom Quinine Tablets. Druggists refund money if it fails to cure. E.W. Grove's signature on each box. 25c.

During the last two years the oil production has doubled in America. The production is \$10,000,000 greater than the output of gold and silver in the United States.

Mrs. Winslow's Great Peppermint Cure for Children teething, softens, soothes, relieves inflammation, kills germs, cures whooping cough, croup, colds.

Wild Animals Be Didn't Know.
"Mamma," said three-year-old James, "I want an apple."
"Help yourself," my child."
"They're all gone."
"Oh no, there are plenty down in the cellar. Cannot you run down and get one for me?"
"Yes, mamma, they're all down."
"I'm afraid."
"It's afraid you'll catch such a big bug."
James thrust his hands under his belt and after one look at his mother smilingly trotted off. Coming back quickly with one apple and looking up at his mother and looking down on her lap, looking very serious said: "Mamma!"
"What is it, my child?"
"I run'd before I got yours 'cause I saw a big tater with a string tied to it run out a barrel and up the wall."—Delinquent.

Worse Than Death.
When Charles Dudley Warner was the editor of the Hartford (Ct.) Press back in the 60s, arousing the patriotism of the state by his vigorous appeals, one of the typesetters came in from the composing room and, planting himself before the editor, said:
"Well, Mr. Warner, I've decided to enlist in the army."
With mingled sensation of pride and responsibility, Mr. Warner replied encouragingly that he was glad to see the man felt the call of duty.
"Oh, it isn't that," said the truthful compositor, "but I'd rather be shot than to try to set any more of your copy."—Rochester Herald.

Showing Her Gratitude.
Young Lady—Give me one yard of—why haven't I seen you before?
Draper's Assistant—Oh, Ma'am, have you forgotten me? I saved your life at the seaside last summer.
Young Lady (warmly)—Why, of course, you did. Then you may give me two yards of the ribbon, please.—Illustrated Bits.

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PISO'S CURE
THE BEST MEDICINE FOR COLIC IN COLDS

For the baby often means rest for both mother and child. Little ones like it too—it's so palatable to take. Free from opiates. All Druggists, 25 cents.

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DROPSY NEW DISCOVERY—Cures Dropsy, Swelling of Feet, Legs, Abdomen, etc. Prepared by **WILLIAMS' PINK PILLS**, 100 Doses, 50c. Sold by all druggists.

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