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You have been planning that house for years. The time to build is here. It can never be built so economically as now. Come in and see us; let us talk it over; our plans are at your service.

Improve that property by building a good substantial fence around it. Red Cedar posts are the best.

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Lumber and Coal

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O'NEILL, NEB.

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**Judith Basin, Montana.** On the Great Northern line between Billings and Great Falls, a fine area of reliable production, with splendid chances of profit for early buyers. No irrigation; average moisture 17 inches, which is enough to insure heavy and varied crops. Send for Judith Basin folder.

**Sun River, Montana.** Government irrigated land, 275,000 acres near Great Falls, Mont. First section now open for filing; only \$30 an acre in ten annual installments. Send for Sun River Project folder.

**Big Horn Basin.** A new government irrigated tract of 12,000 acres near Garland, Wyo., to be soon opened to filing. Watch for this and make your filing early on a choice location. Write me.

**Round Trip Rate.** Only \$27.50 to above localities. This is a low rate for an extensive trip into these fast developing sections. Take it this spring or summer.

**Personally Conducted Excursions.** I conduct excursions on the first and third Tuesdays of each month to the above localities. No charge for my services.



Write me for folders, technical information about taking up homestead lands, etc. I was for many years connected with the Land Department of the Government. I can help you make a good selection.

D. CLEM DEEVER, General Agent.  
Land Seekers Information Bureau, Omaha, Neb.

# The Norfolk Nursery

100,000 Strawberry and Raspberry Plants

THE largest and most complete stock of all kinds of Fruit Trees that we have ever had to offer. Crimson Rambler Roses and Ornamental Flowering Shrubs, all of the hardest kinds. Elms, Ash, Box Elder, Maple and Basswood 8 to 12 feet tall. Small Forest Tree Seedlings of all kinds for planting groves.

**Hardy Catalpa Speciosa**—One of the best trees to plant for fence posts. One year old \$5 per 1,000; two years old \$10 per 1,000.

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# OUR COAST BEACONS.

Cheering Lights That Warn and Guide the Mariner.

## A BLAZE OF KEROSENE OIL.

The Wonderful Lamps and Lenses That Produce the Brilliant and Far-reaching Flame—Why Electricity Is Not Used In Lighthouses.

The goal toward which the lighthouse board of this country is striving is a continuous chain of lights completely encircling the United States and possessions and in the case of rivers and inland seas bounding the waters on all sides, so that a ship may never leave the area of a light thrown by one lighthouse before entering the circle of the light of another. As fast as congress will appropriate the money the gaps are being filled.

But what makes the light? When the curious inquirer is told "kerosene" he naturally wonders why his own student lamp does not give a better light if the same oil in the lighthouse sends its beam from five to twenty-five miles.

Various methods of lighting were in use until 1840, when a new system was introduced of employing nearly true paraboloid reflectors and better glass lenses. In some cases these reflectors gave a light which is not surpassed even today except when handled with intelligent care. In 1852, when the present lighthouse board was instituted, the Fresnel system of lenticular glasses was introduced from France and still remains. The first cost is great, but by the saving of oil over the reflector system this is soon reduced. With any reasonable care a fine light always results, and it is impossible for a keeper to maintain a poor light with this apparatus without flagrant disobedience of instructions.

Even with such an apparatus no common lamp can supply the light. First order lamps have five wicks, one inside the other, and are fed with oil by a pump and pipe system. The oil is fed to the wicks so that it reaches the ends where the flame is in the right time and in the right quantity. It is difficult to look at it, so intense is the light. In the lenses rather than in the lamp is the secret, for they pick up and utilize nearly all the rays of light which ordinarily go astray. The Fresnel apparatus collects almost all of this waste light and reflects and refracts it out in one great broad beam of light, parallel to the surface of the sea, where it is needed.

The flames which come from the lamps are largely transparent. So, of course, are all other similar flames. If flames were not transparent there could be no advantage in having one flame inside another and a third inside the first two, etc. The lights from the inner flames could not get out and would do no good.

In some lighthouses, usually for range light purposes, the light is all to be concentrated in one beam. This is done by concentric rings of prisms and a central bullseye and a reflector. Vessels getting such a light in range, either by itself or with another light and running down the beam, are safe from obstructions which may be near by, the range lights or beams of light marking out the channel to be followed.

It is frequently asked of light keepers why electricity is not used in place of mineral oil. An electric light is expensive to install and difficult and expensive to maintain. There is always difficulty in keeping the arc exactly in the focal point of the lenses, the carbons never burning twice alike and constant watching being necessary. Failure to have the light source exactly in the focal point of the lens results in sending the light rays up or down instead of straight out, where they are wanted. Electricity, while superior in penetrative power in a fog, has no advantage over a powerful oil lantern in clear weather. Mineral oil, colza oil or lard oil lights of the first order could be seen a hundred miles were it not for the curvature of the earth, and as long as the light is visible long before the coast is all purposes are served.

It is only within recent years that mineral oil has been in use. Lard oil succeeded colza oil and was used exclusively up to 1880 and with mineral oil up to 1889. Since the latter year mineral oil has been used entirely, except where electricity has been experimented with, or coal or acetylene gas. So far coal oil, for power, efficiency, cleanliness, ease of operation and cheapness, holds its own against all other means of light making.

Electricity, if it can be successfully installed, is the best light, but through expense of maintenance and in the inability to get skilled attendants for such a light for the price set on keepers' services it makes slow headway. The traveler who cruises up the coasts and who sinks one light before picking up another must know that somewhere in the dark circle is a spot picked for the foundation of a light which will be erected as soon as funds and time allow.—Scientific American.

**Climate and Weather.**  
One day at school small Lola was called upon to explain the difference between climate and weather.  
"Climate," answered the little miss, "is what we have with us all the time, but weather only lasts a few days."  
—Chicago News.

Lightning never strikes twice in the same place because the place isn't there after the first visit.—Judge

# Does the Baby Thrive

If not, something must be wrong with its food. If the mother's milk doesn't nourish it, she needs *Scott's Emulsion*. It supplies the elements of fat required for the baby. If baby is not nourished by its artificial food, then it requires

## SCOTT'S EMULSION

Half a teaspoonful three or four times a day in its bottle will have the desired effect. It seems to have a magical effect upon babies and children. A fifty-cent bottle will prove the truth of our statements.

Send this advertisement, together with name of paper in which it appears, your address and four cents to cover postage, and we will send you a "Complete Handy Atlas of the World." SCOTT & BOWNE, 409 Pearl St., New York

### (First publication Mar 25.) Order of Bearing on Probate of Foreign Will.

State of Nebraska, Holt county, ss. In the probate court of said county. In the matter of the estate of Martha A. Gale, deceased.

On this 22nd day of March, A. D. 1909, H. Leal filed his petition in this court, and presented an authenticated copy of the last will and testament of Martha A. Gale, deceased, late of Jo Daviess county, state of Illinois, the prayer of said petitioner being that a day be fixed by this court for the purpose of approving and allowing said last will and testament, and causing the same to be filed and recorded in this office. It is therefore hereby

Ordered, that Saturday, the 10th day of April, A. D. 1909, at 10 o'clock a. m. be fixed for hearing said petition when all persons interested in said matter may appear and show cause why the prayer of said petition should not be granted; and that notice of the pendency of said petition and the hearing thereof, be given to all persons interested in said matter by publishing a copy of this order in *The Frontier*, a weekly newspaper printed in said county, for three weeks prior to said day of hearing.  
[Seal] C. J. MALONE,  
40-3 County Judge.

### First publication Mar. 18. Notice to Creditors.

In County Court within and for Holt county, Nebraska, March 16, 1909.—In the matter of the estate of Everett Mott, deceased.—To the Creditors of said estate: You are hereby notified that I will sit at the county court room in O'Neill, in said county, on the 19th day of April, 1909, on the 19th day of July, 1909, and on the 19th day of October 1909, at 1 o'clock p. m. each day to receive and examine all claims against said estate, with view to their adjustment and allowance. The time limited for the presentation of claims against said estate is six months from the 19th day of April, 1909, and the time limited for the payment of debts is one year from said 16th day of March, 1909.  
Witness my hand and the seal of said county court, this 16th day of March, 1909.  
39-4  
C. J. MALONE,  
(Seal) County Judge.

### First publication March 11. Sheriff's Sale

By virtue of an order of sale, directed to me from the clerk of the district court of Holt county, Nebraska, on a judgment obtained before the judge of the district court of Holt county, Nebraska, on the 26th day of December, 1908, in favor of Mary Murphy as plaintiff and against Mary A. McCafferty, John J. McCafferty her husband, Farwell, Ozman, Kirk & Company, International Harvester company, T. G. Northwall company, the Morrison Manufacturing company, the National Burial Device company, and Beebe & Runyan Furniture company and the Deering Harvester company, as defendants, for the sum of four thousand five hundred and seventy-three dollars with interest from date of decree at ten per cent per annum, found due plaintiff on first lien, one hundred one and 19-100 dollars with interest at seven per cent, due National Burial Device company on its second lien and five hundred twenty-nine dollars with interest at the rate of ten per cent per annum due T. G. Northwall company, as a third lien, and thirty-six and 50-100, cost of suit, and that said mortgaged premises be sold to satisfy the same, which decree is still in full force and unsatisfied, and the costs taxed at \$36.50 and accruing costs, I have levied upon the following real estate taken as the property of said defendants to satisfy said order of sale to-wit:  
All of section twenty-two (22) and the southwest quarter of section fifteen (15), all in township thirty-one (31) north of range twelve (12) west of the Sixth P. M., in Holt county, Nebraska.  
And will offer the same for sale to the highest bidder for cash, in hand, on the 12th day of April, A. D. 1909, in front of the court-house, in O'Neill, Holt county, Nebraska, at the hour of 10 o'clock a. m. of said day, when and where due attendance will be given by the undersigned.  
Dated at O'Neill, Holt county, this 10th day of March, 1909.  
38-5  
C. E. HALL,  
Sheriff of Holt county.

Cash paid for hides at Davison's harness shop. 29-1f

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## Everybody's Magazine

Ever had trouble of your own with a hired man?

Read "The Late John Wiggins" in this month's EVERYBODY'S, and laugh over the other fellow's trouble.

Did you know that more funny short stories are swapped from "The Chestnut Tree" than from any other similar collection anywhere? Every month you can find one that you'll laugh over till you get the next. Get EVERYBODY'S and see.

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Not the Measles, nor the jim jams, but pure bred young bulls of the best families. Mostly Red, sired by Scottish Sharon of Greytower, 153330, one of the Pan American prize winners, and Golden King 152918. Two of the best bulls on the upper Elkhorn valley today. Time will be given on bankable note to responsible parties. Delivered to nearest R. R. station free.

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Chambers, Nebraska

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## Operations of Veterinary Surgery,

Castration of Ridgelings, Spaying, Dentistry, etc. Successfully treats the so-called (but wrongly named) swamp fever. Will go in any OUT BREAK and treat it.

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O'Neill, - Nebraska.

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