

THE RED CLOUD CHIEF

Red Cloud, Nebraska

PUBLISHED EVERY THURSDAY

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A. B. McARTHUR, Editor and Owner

EAST, WEST, HOME'S BEST

It has been said that The Youth's Companion has had more readers per copy than any other publication in America. There is good reason to believe this to be true. But the important thing is that the influence of the paper upon its millions of readers has always been directed to building character. "East, west, home's best," has been its unuttered slogan. In its articles, editorials and otherwise, it has dwelt upon the importance of good citizenship. In all its contents it has aimed to give not only entertainment, but "steppingstones to higher things."

A year of The Youth's Companion brings a tremendous tide of delightful and diversified reading that cannot be found elsewhere.

The 52 issues of 1921 will be crowded with serial stories, short stories, editorials, poetry, facts and fun. Subscribe now and receive:

1. The Youth's Companion—52 issues in 1921.
2. All the remaining issues of 1920.
3. The Companion Home Calendar for 1921. All the above for \$2.50.
4. McCall's Magazine for 1921. The monthly authority on fashions, \$1.50 a year. Both publications, only \$3.50.

THE YOUTH'S COMPANION, Commonwealth Ave. & St. Paul St., Boston, Mass.

Report of the Condition

OF THE
Bank of Inavale

of Inavale Charter No. 795 in the State of Nebraska at the close of business Nov. 13, 1920.

RESOURCES	
Loans and Discounts	\$165,646.70
Overdrafts	818.19
Bonds, securities, judgments, claims etc., including all government bonds	18,739.48
Banking house, furniture & fixtures	5.0 5.30
Current expenses, taxes and interest paid	1,922.36
Due from national and state banks	\$ 5,793.44
Currency	555.00
Gold coin	60.00
Silver, nickels and cents	810.25
Total	\$ 198,231.64
LIABILITIES	
Capital stock paid in	\$ 10,000.00
Surplus fund	10,000.00
Undivided profits	4,188.78
Individual deposits subject to check	115,923.63
Time certificates of deposit	\$4,201.27 150,124.90
Bills payable	22,560.00
Depositor's guaranty fund	1,417.96
Total	\$ 198,231.64

STATE OF NEBRASKA, ss
County of Webster
I, G. R. McCrary Cashier of the above named bank do hereby swear that the above statement is a correct and true copy of the report made to the State Banking Board.
G. R. McCrary, Cashier.

Attest:
Charles Hunter, Director.
Alfred McCall, Director.
Subscribed and sworn to before me this 23rd day of November 1920.
B. W. Stewart, Notary Public.

Card of Thanks

We wish to extend our thanks to the neighbors and friends for the floral offerings and the kindness shown during the illness and death of our loving father.
Laurens, Robert and Jennie Campbell
Mrs. Chandler
Mrs. Gass
Mrs. Clark
Mrs. Brown.

EDISON DEVICES AIDED U. S. NAVY DEFEAT U-BOATS

Made Night Sailings Safe
The Sunday New York American publishes the following dispatch from Washington:

The part American ingenuity played in winning the war is disclosed in a history of the Naval Consulting Board of the United States made public by Secretary Daniels today.

The volume reveals achievements which if projected a decade ago probably would have been ridiculed as "visionary." Chief among these was a device by which the launching of a torpedo could be heard on shipboard 4000 yards away—or further than a torpedo can be effectively launched from a submarine.

This invention was but one of a score or more contributed by Thos. A. Edison, president of the board.

Mr. Edison appears to have been the moving spirit of the board. Forsaking his laboratories at the outbreak of the war he practically became a naval officer. He spent most of his time in the Navy department offices here and took long deep sea cruises that he might be in closer touch with the problems to be solved.

His Listening Device

Because of the German submarine menace ship protection claimed the most attention of the board. To this problem Mr. Edison devoted his traditional twenty-hour working days and after overcoming many obstacles finally perfected his listening device.

This contrivance was in the form of an outrigger suspended from the bowsprit of a vessel and containing an immense phonograph diaphragm. By means of compensator the noise of the vessel's engines was obliterated, thus making it possible for the device to work perfectly even when the ship was plowing at full speed through the roughest seas.

With this device boats moving seventeen hundred yards away could be readily heard while the vessel was going full speed. A submarine bell five and one-half miles away could also be heard while a big storm was in progress and the boat also proceeding at full speed.

Mr. Edison followed this invention with a device for the quick turning of a vessel whenever the detector indicated that a torpedo was coming in the vessel's direction. He did this by means of strong conical canvas bags. A heavy rope was attached to the mouth of the bag and a light rope in a slip knot to the tapering end.

The "Drag" for Quick Veering

When cast into the sea the mouth opened, filling the bag with water and thus acting as a drag. By pulling the lighter rope the small end of the bag was opened. This let the water out, instantly relieving the resistance. Four of these bags cast from the side of a 5000-ton vessel laden with 4000 tons of coal caused it to turn ninety degrees from its course in two minutes with an advance of only 200 feet.

Night sailing of ships next attracted his attention. By working day and night over the records of submarine sinkings he discovered that not more than six per cent of the sinkings took place at night.

Mr. Edison commenced to work out his plans for the ships to sail in and out of the danger zone at night; to forsake the old standard lines of travel as much as possible; to anchor through the day in comparatively shallow waters and harbors where submarines could not approach them, steaming only at night to other ports of anchorage on their way to their destinations.

Strategic Maps

Mr. Edison prepared a new set of strategic maps on which he charted the harbors in which there was safe anchorage for a long distance in shore in comparatively shallow but safe waters where submarines could not approach submerged.

Other war time inventions by Mr. Edison were a cartridge for taking soundings; a convoy light visible to all vessels in the convoy but invisible from the decks of a submarine; an under-water searchlight capable of throwing rays 200 feet; a projectile that would enter the water from an angle instead of ricocheting; a stabilizer for submerged submarines; and a time fuse to cause shrapnel to burst only six feet above the ground.

He devised a mask to protect observers on the tops of masts from smokestack gas, a turbine head for projectiles which enabled the latter to be fired from smooth bore guns and still have rotation and accuracy; drew up plans for mining Zeebrugge harbor, and developed a method by which communicating signals between warships could be sent by means of mirrors.

Prevented Sinkings

Mr. Edison devoted a great deal of thought to various plans for preventing sinkings and he suggested a number of schemes to this end. One of these was a proposition to furnish merchant ships with a type of specially designed three-inch shells filled with an oleum smoke producing compound with which to blind submarines



"Our Budget Plan will bring the New Edison this Xmas!"

THIS is the time of the year when our Budget Plan is most helpful. You ought to come in right away and find out what it can do for you.

In the first place, it will put a New Edison beside your Christmas tree, (how the family will rejoice!)

In the second place, it will stretch your Christmas dollar so that you'll hardly feel the purchase.

The Budget Plan treats the New Edison as an essential of life, such as a home, and arranges payments on the sound "time" principle. It combines modern business practice with thrift.

This way of treating a dollar actually makes it go farther. Let us explain how the Budget Plan brings the longed-for New Edison for what an extremely ordinary gift would cost,—and makes 1921 thrift pay for the balance.



E. H. NEWHOUSE
Authorized Dealer Red Cloud, Neb.

DANCE RED CLOUD, NEB.
In The Besse Sale Pavilion
Thanksgiving, Thurs., Nov. 25 8 p. m.
Given on Behalf of American Legion Post No. 238
Good Music Admission \$1.50 Spectators 25c

Special
On Bungalow Aprons
These aprons were ordered for late summer delivery and just arrived. Some have long sleeves and some have the regulation bungalow short sleeves, in light and dark—while they last you can buy them for just what \$1.59 they cost me—at only, each
Barbara Phares

Pianos - Player Pianos
Home of the Victrola
—EVERYTHING IN MUSIC—
We Guarantee to You
Gaston Music
A Service That Serves
Red Cloud - Nebraska

Paint Now and Save Money!
In order to reduce stock of paints this fall we are we are selling the SEWALLS PURE LIQUID PAINT for \$3.50 per gal
Johnson Iron Clad Barn Paint \$1.85 per gal
Now is the Time to Paint Your House or Barn
Chas. L. Cotting The Druggist

if they had long-range guns.

The problem of extinguishing fires in coal bunkers he solved with a small stream of silicate of soda played on a coal or wood fire. The moment the silicate strikes the incandescent body the small quantity of water in the silicate evaporates and the glowing body becomes coated with a glassy surface excluding the oxygen and extinguishing the fire.

Direction Finder

The study of a direction finder for hostile airplanes was undertaken to determine the direction of a plane before it was visible by determining the direction of the source of the sound given off by its engines. This is how it was done:

Two horns at a fixed angle to one another conveyed the sound to opposite sides of the same diaphragm and swung the horn system, both in horizontal and vertical planes, until there was no movement of the diaphragm, because the sounds conveyed by both horns were of equal value and therefore neutralized one another.

It was found very difficult to get zero readings but with some training on the part of the observer the direction could be determined with considerable accuracy.

Having learned that telephones on ships were not very reliable Mr. Edison devised one that was. He discarded microphones and substituted the receiving phone for a transmitter. The signals being weak he amplified with an audion which made the signals so loud as to be painful to the ear.

Mr. Edison also invented an extension ladder which could be attached to the top of the mast and give an observer a location eighty seven feet above the top of the mast. This device increased the area of observation.

Dr. R. V. Nicholson
DENTIST

Office Over Albright's Store
Red Cloud Nebraska

Dr. W. H. McBride
DENTIST

OVER STATE BANK
Red Cloud Nebraska

The Standard of Excellence

We have always endeavored to give our patrons the very best merchandise that can be obtained on the markets. The utmost care is exercised in the selection of the brands of goods we offer our customers. Our many years of experience in the Grocery business enables us to determine just what brands will meet with the approval of the trade. We wish to call particular attention to our line of CANNED GOODS. When buying be sure to specify

DELMONTE

Having handled this line for many years we do not hesitate to recommend any kind of Canned Goods bearing this name. Our personal guarantee stands behind every can we sell. When you want the best in Staple and Fancy Groceries call on or phone us your wants and they will have our prompt attention.

P. A. Wullbrandt
Groceries and Queensware

CITY OF EVANSTON
DEPARTMENT OF STREETS
Evanston, Illinois

ROBERT M. BROWN
Commissioner

Our Street Department has in service five two-ton, Model "J" Reo trucks and one Model "S" Reo roadster.

The two trucks first purchased, equipped with Lee automatic side dump 3-yard steel bodies entered service April 2, 1918. One of these was wrecked August 8, 1918 and replaced August 24, 1918.

On July 26, 1918, our Special Garbage Truck entered service, equipped with a wooden body designed to carry 120 garbage cans of one cubic foot each.

On March 26 and April 9, 1919 two more trucks entered service. These are equipped with 3-yard Woods' hydraulic hoist rear dump steel bodies.

The roadster entered service May 14, 1918.

These trucks have hauled crushed stone, sand, cinders, ashes, rubbish and garbage continuously over paved and unpaved streets and alleys in all kinds of weather.

The consumption of gas and oil has been very low, the repairs small, and I consider the results remarkably good.

I am told the Model "F" truck, in service from March 26, 1919, equipped with hand hoist rear dump steel body and operated by the Sewer Department is giving equally good results.

Signed ROBERT M. BROWN,
Commissioner of Streets.

SUTTON & SHIPMAN
AUTHORIZED AGENTS GARAGE RED CLOUD, NEB