## Now is the time to buy your New Car, because I have Every Model of the 1912 line of BUICK Automoiles on my floor

Come and get the Car that is Best Adapted to your Particular use and pocket-book Every Buick is a "Giant in Action," and every 1912 Buick is a rival to the silent flight of the arrow.
We have always said that When Better Are Built, BUICK Would Build Them
Several years steady improvement in Automobile Manufacture has given us the best that money can buy, but at a price little above the amount asked for the cheapest makeshift offered an Automobile buyer.

Models 34 and 35,31 H. P. Cars whtch are the lightest weight in proportion to horse power of any American power. Colors--Buick Brown and Royal Blue, nickel trimmed, fully equipped delivered at your door $\$ 1130.00$

Models 28 and 29, 35 H.P. in a straight line drive. Three point suspension with De-mountable rims. Colors--Gray and Wine, fully equipped at Plainview
$\$ 1335.00$

Model $43-48$ H. P. full floating axle. Colors-Blue and Gray, delivered
$\$ 1875.00$
Model 21 Special 40 H. P. Five passenger, Royal Blue, $34 \times 4$ tires, equipped with a Self Starter that is Guaranteed to Work. No other car of the same size sold for less than $\$ 1800.00$, but Buick builds this car with Buick Material and Buick known mechanical skill, so Buick Agents can sell this car delivered in Plainview for
$\$ 1625.00$

Come and see these Cars or phone us and we will bring the Car to your door for Demonstration and Inspection.

Our Repair Shop is the Best and Largest in the Panhandle Buick Car Owners are Insured that their Cars will always be ready to go Plainview Machine \& Automobile Shop
E. E. ROOS, Proprietor PLAINVIEW, TFXAS

> Mr. FARMER:-
> Did you know that Kansas alone built more than 100,000 Silo's in 1911? If they are valuable to Kansas why not to Texas. We are now showing a model of the Silo at our yard on main St. Call and let us show you this model. It is unequaled for simplicity, strength and durability. A close inspection will convince the most skeptical of our claim. A. G. McADAMSLUMBER Co.


texas indostrial notes.
Houston-The Southern Pacific rall-Houston-The Southern Paciffe rail-
way company placed a new train on
ts schedule, the new service beginrag Monday, May 26th. The new
rain is known as the "Island Flyer"
nd will be operated between Houston
nd Galveston, leaving Houston
$\qquad$
$\qquad$ zed here to encourage the raising of
more produce and to secure beter
market faclities. Lometa- qt is reported that the
Scholten Bros. Cedar Company of this Scholten Bros. Oedar Company of this
city, will build a railroad from Lo-
meta to the company's cedar forests Wishite of twenty-five miles. freight cars have been secured by the Wichita Falls and Northwestern Rail-
way to assist in handling the alfalfa crop along its lines. Paris-The Texas Midland Railway
has announced its intention of installing a motor car service on its line be-
tween Paris and Dallas. San Antonio-Eight thousand acres
of land near the Mission tract in the of land near the Mission tract in the
lower Rio Grande Valley has been

Oran.-A movement is on foot here
to build a large reservoir, which will to build a large reservoir, which will
cover 300 acres of tand. It is planned cover 300 acres of land. It is planned
to construct a pleasure resort in the near vicinity of the lake.

Dallas.-The Texas Power and Light Company has filed articles of incorporation with the Secretary of State;
capital stock, $\$ 13,000,000$. capital stock, $\$ 13,000,000$. The com-
pany proposes to build a power plant near Waco.
Port O'Conior.-The towns of Port
Lavaca and Port O'Connor are planning a new highway to connect the two shore of Matagorda Bay.
peaches are expected to be ship

Port Arthur.-The Hypotheek Bank
of Amsterdam, Holland, capitalized at 600,000 , has been granted a permitt do business in Texas; headquarters o do busine
in this eity.
Greenville.-The Texas Caddo Oll
Company, of this city, has increased Company, of this city, has increased
its capital stock from $\$ 25,000$ to $\$ 50$,San Antonio. - The International started construction on a colld storage
plant in this city which will have a plant in this city which will have a
storage capacity of 500,000 cubic feet. Oakville.-The San Antonio) Rockist and Mexico Railway will build
is lines through this city, the necesits
sary bonus of $\$ 40,000$ having been
raised, as required by the road. raised, as required by the road.
Petroila-Twenty cars of pipe have
been received here to be used in construction of the Magnolia oil Com-
and pany's pipe line to Corsicana. Th
is the second pipe line from Petro the refineries..
Waco-According to estimates made
by the contractors, there are fifteen by the contractors, there are fifteen
milies of right-of-way for the Waco-

Dallas-Corshice | $\begin{array}{l}\text { Dallas-Corsicana } \\ \text { for track. }\end{array}$ |
| :--- |

Bay City.-The $\overrightarrow{U n}_{\text {nited }}$ States Gov-
ernment has appropriated $\$ 12,000$ for
Bay City.-The United States Gov-
ernment has appropriated $\$ 12,200$ for
the construction of two bridges over
the inter-costal canal in this county.
Post city.-The post Power Com-
Post City.-The post Power Com-
pany has filed its charter with the Sec-
retary of State. The object of the
company is to manufacture and dis-
company is to manufacture and dis-
tribute gas and electricity in this sec-
tion of the country.
Austin.- The Atorney General has
approved bonds to the amount of $\$ 150,-$
in Corpus Christi.
Austin.-A $\$ 100,000$ good road bond issue for Austin County has been ap
proved by the Attorney General.

Edna.-One thousand one hundred
and five acres of land in Johnson and five acres of land in Johnson
County recently sold for $\$ 44,000$.

Beaumont-The, work of dredging
the Sabine-Neches Canal
the Sabine-Neches Canal is well under
way. This canal will
way.This canal will connect the
Neches River with the Gulf around
Leches River with the Gult around
Lake Sabine through Sabine Pass. It
is belng deepened to a depth of twen-
ty-five feet, which will enable ocean-
gonng vessels to ply directly betwe
Beaumont and foreign ports,
Gladings.-The Houston \& Texas
Central Railway is asking for blds on
the construction of flive milles of road-
PHONE 84

## SECOND ANNUAL STATEMENT

## The Amarillo National Life Insurance Company

Amarillo, Texas, December 31, 1911

| First Mortgage Loans | \$130,065.66 | Legal Reserve | 31,830.21 |
| :---: | :---: | :---: | :---: |
| Collateral Loans | 2,800.00 | Claims on which no Proof of |  |
| Cash on Hand | 841.76 | Death | 2,000.00 |
| Funds (Current Deposits) | 909.91 | Claims Resisted | 5,000.00 |
| Funds Bearing 8 per cent ...... | 48,368.25 | Coupon Deposits and Interest | 433.17 |
| Funds Bearing 5 per cent Daily Balance | 105,869.04 | Prémiums Paid in Advance | 86.18 |
| Uncollected and Deferred Premiums (net) | 6,986.41 | Special Contingency Reserve | 200.00 |
| crued Interest | 8,833.05 | Assets in Excess of Legal Liabil |  |
| All Other Assets | 14,622.15 | ties as Security to Policy |  |
|  |  | Holders |  |
| ts Not |  | Capital Stock | 50,000.00 |
| Not |  | Unassigned Funds ........... | 112,714.11 |
| Total Assets | \$305,011.17 | Totals | 55,011,17 |

TOTAL POLICY HOLDERS BENEFIT, $\$ 319,296.23$
Busines in Force as of December 31, 1911, on Paid For Basis
$\$ 3,192,000.00$
E. P. NORWOOD, Local Agt. W. B. PATTERSON Gen. Agt. PLAINVIEW, TEXAS amarillo, texas

citation by publication. The state of TEXAS,
To the Sheriff or any To the Sheriff or any Constable
Hale County-GREETING:
You are hereby commanded th you summon, by making pubbication o
this citation in some newspaper pub
lished in the County of Hale, State o

 weeks previous to the return day
of this citation, s. G. Cooper, whose
residence is unknown, and the HEIRS of S. G. Cooper, whose names and
places of residence are unknown, to
en be and appear before the Honorable
District Court at the next regular term thereof, to be holden in t
County of Hale, at the Court, Hou
thereof, in Plainview, Texas, the Sth day of August, 1912, then
and there to answer a petition filed
in said Court on the 11th day of May,
1912. in a suit numbered on the Docket 1912, in a suit numbered on the Docket
of said Court No. 825, wherein J. F.
Sander and W. B. Martine are plain-
tiffs and S. G. Cooper and the HEIRS

 August Tern, 1912 .
To the Honorable Distriet Court Now comes J. F. Sander and W. B
Martine, both of whom reside in Hal
County, Texas, and complaining ot County. Texas, and complaining of
S. G. Cooper, whose place of residence
is to plaintiffs unknown, and of the heirs of S. $\cdot$ G. Cooper, whose nan
and places of residence are to pla
fendants, show and represent to That heretofore on the 1st day of
May, 1912, plaintiffs were lawfully described trast pf land lying and being
situate in Hale County, Texas, holding. owning and claiming the same
in fee simple, towit: Lot Number Six
(6) in Block Number Twenty-eight as shown by the plat of said town
record in the Deeds Records of sa
County of Hale, Vol . 372-5; and that on the day and year
aforesaid the defendants unlawfuly
entered upon said premises and
ejected the plaintiffs therefrom, and ejected the plaintiffs therefrom, and
unla wfully withhold from plaintiffs
the possession thereaf to their dam-
age in the sum of Three Thousand Dollars.
Plaintiffs further show that the only
claim or title of the defendants to said Lot, so far as known to these plain-
tiffs, is Patent by the State to E. L.
Lowe, dated March 9th, 1888, to Sur-





|  |
| :---: |
|  |  |
|  |  |


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| :---: |
|  |  |
|  |  |
|  |  |





## attentiov, farmers:

I have some money here for some
of you. Do you want it? If so, you
had better see about that Hail Insur-
ance on your Growing Grain. You
had better get the money than, to be
sorry later. J. M. MALONE, Way.
land Building.

## JOE. E. LANCASTER GIVES OUT PROGRESS





$\qquad$


$\qquad$


Exith8 C
1

##  <br> A WONDERFUL PICK-UP

## But It Will Do You No Good If You . Miss It

L. W. Sloneker's Department Store has always got some good pick-ups if you will only see him and get his prices before you buy. LISTEN! I have the following for you now on hand, and they will sell that way until they are gone.

$$
\begin{aligned}
& 10 \text { Doz. Prs. Men's Saranac Buck Gloves, from } \$ 1 \text { to } \$ 1.25 \text { each, } 75 \mathrm{c} \\
& 20 \text { ". Jolly Glasses, large size, } 1-2 \text { pt, while they last, per doz. } \mathbf{3 0 c} \\
& 8 \text { ". Mens Dress Shirts, regular } 75 \mathrm{c} \text { and } \$ 1 \text {, each } \\
& 10 \text { ". Cups and Saucers and Dinner Platds, special Price per set. } 60 \mathrm{c} \\
& 2 \text { "30x60-inch Velvet Rugs, while they last, each } \\
& 2 \text { " Ovoralls High Grade worth } \$ 1 \text { each } \\
& \text { Remember that I try to handle everything and if you are in need } \\
& \text { Remer } \\
& \text { of anything when in town, no doubt I have Just what you are look- } \\
& \text { ing for, call and see if I am not right. }
\end{aligned}
$$

Together with the above prices, I will give to every family that trades $\$ 15$ worth with me in the next 30 days, a large $16 \times 20$ picture in a 4 -inch frame, ask to see them when in the store and call for a card

## Yours For Right Treatment L. W. Sloneker Department Store



\section*{| HIGH SCHOOLS. |
| :---: |
| The public schools which closed |
| May |
| 17th, had an enrollment durin |

}


## IS YOUR LAND FOR SALE?

If so see us, we want a few pieces of good land, we are strictly IMMIGRATION people and do the business, we don't wait for the people to come, we go and get them, Remember we want the
H. L. SMITH LAND COMPANY
program for intermedate


## LADIES HATS

## FOR

## FOUR DAYS BEGINNING WEDNESDAY, JUNE 12

we will offer our entire stock of Trimmed Hats at the following prices:

| Best lot, each | . | $\$ 4.75$ | 3rd lot, each | .. |
| :--- | :--- | :--- | :--- | :--- |
| 2nd lot, each | . | 3.75 | 4th lot, each | . |

This includes a number of handsome Pattern Hats. The entire stock is stylish, fresh, clean and well cared tor. Our trimmed shapes, flowers and other trimmings will be be sold at COST. Remember this is our

## Regular Bargain

Day and we will have other Bargains to offer
Among other things will be one lot E. P. Reed's Ladies Shoes and Slippers---no better made, but we have changed lines and they will be sold regardless of COST.
Tolfail to Wednesday will certainly be your loss.

## Plainview Mercantile $\mathbf{C o}$.



the onty scentifte farming. It is the owing to the ratin Priay night, the
ooly method of agriculture by which only method of agrieulture by whiteh Eastern star postponed their anumual
one can measure the exact amount of installation of offcers until saturday water each root needs, and ind intallation of omficers until saturday
water each root needs, and apply $\begin{aligned} & \text { night. At which time Mrs. L. N. Pen- } \\ & \text { nock was presented with the degrees } \\ & \text { name when needed. }\end{aligned}$
of the order. After which Mrs. Mar





slobe that can on tevelop face of trimation th is
rapidily hastening to the work.
rapidy hastening to the work. The
hiskest-priced plece oot arkiculturat
lind

land now existing in the United state
is in the shallow water dotestret of
Fresno, Californula. The lifto of the water there fs H bout $\$ 80$ feet. $1 \mathrm{I} /$ / an around Plainview for a few miles Irt ranges about halt that distance
Thhose who have seen the tamusus Ga
den City, Kansas, district where the
 Plains is the chief detriment to fas-
ter progress. Our people are ter progress. Our people are content
to "let well enough alone;" to follow
the old channels when they might de. velop hew methods and new indus-
ver supply for the cheapest firrigation velop hew methods and new indus-
tries; to use extensive "dry farming"
when a general adoption of the intenslve irrigation idea. would make this
the most talked oot and the iqusi pro-
ductive section in the United States. We need fritigatió onty fod suppli-
ment rainfall. This system certainly is cheaper) and more desitatise. would seem, than where the cloud
turnish no aipprociative mbisture And
yet IF PLAINYIEW HAD ONLY SIX
INCHES OF RAINFALL PER ANNUM
WE WOUED HAVE \$500 PER ACRE LAND HERE IN LESS THAN FIVE
YEARS: Stern, absolute necessity
furnishes the cause for 1 In 9 gopt furnishes the cause for Inq Bapt pt
the actual developmental work in the most nation-wide drouth to teach the
people toforpuriy eppreciat flalyt

FIRST ANNIVERSARY

田Slaton, Texas, June 15th, 1612
Special Excursion Rates $\$ 2.45$ for round trip. Tickets on sale June 4 th and 15 th. Return limit


## WE WANT A SHARE

 OF YOUR GROCERY BUSINESSIf the good goods and prompt delivery count for anything we can give you both.

## MARECHAL NEIL FLOUR

has no superiors and few equals. If you want good biscuits all the time you should get this brand of flour and thus end your trouble on that line. This is a new flour in Plainview aud you probably have not given it a trial. If you have we are sure that your next order for flour will be for Marechal Neil. If you haven't we want you to try a sack with our personal guarantee of satisfaction.

## Good Coffee

is the only kind fit to drink. We carry in stock the Maxwell House and Gold Medal Coffees
Just try one of these brands and you will take no substitute. Yours for Good Groceries,
Montgomery-Lash Gro. Co. ED HART, Manager-H-Phone 139

## Biltmore Guaranteed Hose for Men, Women and Children

The Biltmore Hose are Guaranteed-. 6 pair to last 6 months--we will make the guarantee good
We make no
charge tickets.



## GOVERNOR ROSS

Deep Bay Stallion 16 Hands, Weight 1100 Lbs.

| Governor Ross 38235 | Electrite 10878 | Electioneer 125 Sprite |
| :---: | :---: | :---: |
|  |  | Onward 1411 |
|  | Daisy Mason | Beulah |

Ross Grandam Beulah (dam of Beauzetta record 2:06 3-4).
Governor Ross will make the season at my Barn at $\$ 15.00$ to insure mare with foal.

This horse has never made season for less than $\$ 25.00$, but knowing the breeding of this horse and desiring to improve the class of stock, I am making this reduction.

There is none better in the state than Govrnor Ross. Come and see him before breeding elsewhere.

## CLINT SHEPARD



Here's Refreshment
Make the evening meal one of real delightul cooling refreshment-take the edge off the heat of Whiter Swan other meal time drink will give you quite the same smooth, delicious beverage-or refresh you so pleasantly.

Grocers Everywhere
White Swan Tea-four sizes in air-tight tins-10c, 25c, 40c, and Should your grocer be one of the few who don't carry it, A "Large Enough" Sample
ay learn all about White Swan Tea by the test of taste; we will, on re-Waples-Platter Grocer Co.

Dallas-Denison-Ft. Worth

DEMOCRITIC EXECETIVE COM. further business as may properly come
MITTEE.
$\qquad$
ere in and for Hale County, Texas, is Broom Corn can be planted up to

| $\begin{array}{l}\text { Plainview, at the Court House, on } \\ \text { Nonday, June 17th, 1912, at } 10 \text { o'clock }\end{array}$ | $\begin{array}{l}\text { July } \\ \text { Sth or } \\ \text { Sth. Sod or old ground. } \\ \text { \$1.50 per bushel. Brush brings }\end{array}$ |
| :--- | :--- | :--- |

. m., to fill vacancies on said Com- the money. Stalks good rough feed.
ballot, name sub-committees, make up
ballot and to transact such other and The Herald for Job Printing.

## Notice

## You Automobile Owner <br> It Pays to buy the tire you can get a Guarantes with. The only Tire in the World Guaranteed for 5000 miles is The Ajax. It pays to Buy the Best. A Writ ten Guarantee with every Tire you buy at

Hubbard Bros. Automobile Co.

## To My Friends:

Look! Listen! Jas. R. DeLay is here to stay and win. Selling land is his business, Trading propositions a specialty. List your lands with him. Have sold more lands than any man in Plainview. See me.

Phone Nos. 40, 93 and 447


# Saturday the 8th to Saturday the 15th 

## $\$ 8,000.00$ Worth of Additional Merchandise to be Disposed of PRICES SLASHED ALL OVER THE STORE

For years we have made this June Sale an occasion for our most extraordinary Price Cutting. As a Money Saving Opportunity many have come to know its Worth and ta wait for the BIG ANNUAL BUYING EVENT. IIn addition to our all ready complete line we now have the Pipkin Napp Company Merchandise to dispose of. The goods were bought cheap and we are in position to offer unusual Price Reductions.

## :: Look for the Big Red Tags---They Tell the Prices

| esses. | d. | Men's Suits. | Embroideries. |
| :---: | :---: | :---: | :---: |
| inen Finish Dresses trimmed in formerly 2200 now | sc |  |  |
|  | ${ }_{30}$ | Alt 410.00 Suits $\mathrm{g}^{0} \mathrm{O}$ in the |  |
| fitting, for $\ldots . . . . . . . . . . . . . . . .9,10$ | 121/ec and 15e India Linon redued |  | h Flounce of Fine Zephyrs, in colors |
| Perale Dreses, lace trimmed and piped |  |  |  |
| gham Dreses, a neat house dreas for 95c | ${ }^{\text {250 Persian Lawn, Sale Price }} \ldots$ | June salee at . 12.00 | wech wide White Flomnee, worth 35e: Sale |
| erson | Plain and Cros |  |  |
| style ........................ 51.86 | ed to to...... | Al |  |
| ${ }^{1}{ }^{1}$ Lot 87.50 and 88.50 White Dreseses eut | Plain and Check Linweave | , |  |
| \$12.50 Fine Messaline Dresses for .... 57.50 |  |  | Special Prices op Other Ylounces up to $\$ 3.00$. |
| ew Changeable Ef . |  |  |  |
| 5.00 Crepe Meteor |  |  | ash Goeds. |
| Priee ....................... $\mathbf{s i n}^{13.50}$ |  |  | 12 |
| wing a god asortment of |  |  | Prie |
| Lingerie, Embroidery and Lace D duced Prices. | \$1.25 Fine Linen Sheeting |  | $\qquad$ $81-3 c$ |
|  | ite | Sraw Hats for Me | che wide Figured Lawn goes in the |
| dies' Suits and Coats. |  |  |  |
| \%15 | Boys' Suits. | Two large stocks for you to select from. |  |
|  |  |  |  |
| All.silies Cean deam Sergee Colat Suiss, ined inee rediced to. |  |  |  |
|  | All 14.00 Snits redueed to | All 42.05 Straw Hats redueed to. 11.50 All 42.50 Straw Hats redueed to. 52.00 | $321 / 2 \mathrm{c}$ |
| ${ }_{\text {for }}^{\text {fi3.50 to }}$ \$1500 Ladies' Coat Suits reduced |  | All 83.00 Straw Hats reduced to . 52.40 |  |
|  | All $\% 5.00$ Snits redureed to ..... $\$ 4.00$ |  | Men's Shirts. |
| \$12.50 Ladies 'Coat Suits redueed to... |  | Men's Oxfords. |  |
| \%ri.so Engish Flannel Mortolk Coats; sale |  | All Hanan, Orawford and Forsheim |  |
| dont miss seeing our large line | All \$10.00 Suits reduced to ..... 97.50 | Low Shoes for Men offered at the MARKED Cost. An immense line for | All "Monarch" \$1.00 |
|  | TABLE LIN | elect from. They must go. |  |
| Propusion ${ }^{\text {in }}$ ar |  | w | Aut *175. "Cluet and "Arrow Brand" |
| BAL |  |  |  |

FREE SOUVENIR PACKAGES--Two Dozen Packages of Merchandise will be given to those who are first at the Sale Saturday Mürning, June the 8th. Ten of these packages for the Ladies. Seven packages for the Boys and Seven for the Girls. Free Packages will be given at the Pacific, Street entrance at 88 o'clock Saturday Morning.

Remember the Date, Saturday Morning, June the 8th to Saturday Night, June 15th Store Will Be Closed Until 9 O'clock Saturday Morning, June 8th.
.o) soubor9

PLAINVIEW'S SLOGAN: "NOTHING SHALLOW BUT THE WATER' 2 Parts-Comic and magazine section-Part 2

## The Hale County Herald

VOLUME TWENTY-THREE
the plantlets, how theyll grow! MAJOR OZONE but then …, sometimes, they


1


## How Smith Learned the Sheep Business

Smith slid off of a box as the train drew up in the yards of Sheridan, Wyoming, of name, but Smith was an ordinary, comof name, but Smith was, an ordinary, comdrifting current of humanity that goes from one rifting current one coast to the other, paying no railroad fare, but
still he could not be classed under the genus still he could not be classed under the genus
hobo. He worked when there was a demand for men at good pay, but the periods of his activity
were separated by judicious intervals of travel As it was the middle of April, Smith believed e could get work in this section, and with the and getting something to eat, he drifted into the business section of Sheridan. After eating. modest meal, Smith invested his remaining
few cents in a shine and hair cut. few cents in a shine and hair cut.
Time was when Smith would have spent the remaining few cents in slaking his thirst he decided to turn over a new leaf. He was going
to make a good stake and go home to the folks
in Little Valley and be a respected citizen. He entered a combination real estate, insurance, abstract and employmint
slouched up to the counter
"Lots of it. We are shipping to Buffalo today. Ever work in a lambing camp?"
Smith did not have the least idea of the duties of lambing camp employes, but he was not going to allow lack of information to keep him from getting work, Native shething to do with sheep. so he assented. "What are they paying?" he asked.




 ter of controversy. A dozen flockmasters were
in town getting men for their camps and all were in town getting men for their camps and all were
short handed. Smith thought that this would offer a chance to raise the figure of his wages, fight to get a man, forty-five dollars per mo was the pay, despite strenuous competition. told by a man who appeared to be in charge of he recruits. "Report to ing down on Powder river, and the camp, wagon goes out tonight with
"Reckon he's going to'sleep on cactus", snickmake reply. He was hurried to a drygoods store,
his guide taking charge of thelproceedings. Before he could thoroughly get his bearings, he was of sougans. "Charge it to the Scotch outfit," said his guide.
"Bumpass is pulling camp for them. Hell be
by with the wagon in a half hour and pick it up. What's your name?
"That bed is for Smith, Scotch outfit," and Smith was dragged on. In the same mith a slicker suit for the rainy of tobacco.
That night he crawled into the big, six-horse supply wagon, driven by one Joshua Bumpass,
and they started on the long trail to Powder rivand they started on the long trail to Powder riv-
er. Smith lay on his bed in the back of the wagon and tried to sleep with, two other men, who
also been tolled off to the Scotch outfit. Hour after hour the wagon lurched through
the night. The darkness had begun to pale in the east when Smith awoke and took his seat next to the driver. Far off on another hill, Bumpass
pointed out a speck which seemed to be moving along the skyline.
band s Charlie Robinson, he said. "He's got Glen outfit. They git him out a half hour 'fore daylight, and he wears three dogs to a frazzle
every day tryin' to keep 'em between Four Mile
"They go some, do they?" asked Smith
"They shore are some travelers. It's a good thing that Charlie's mostly legs or they'd be
leavin' the bed ground in the morning by the time he got through cookin' his supper for the
night before. 'Talk about yearlin's, though, I had a bunch one year that these is snails to. They had a couple of old black wethers for markers, which the boss bought for leaders, and he
got 'em. They was your nat'ral born leaders. and I had to kill 'em both. If I hadn't, they'd got so far in the lead the coyotes just cut them out and ate em right beero 'em a lesson, and I 'lowed it would, too.
By this time the wagon was going up a long grade. On the crest, silhoutted against the mornrough clothes and with a broad-brimmed black and three dogs followed at his heels. It was
and Smith's first experience with a real sheep herdagent in Sheridan. As the wagon stopped on the crest of the hill, Robinson sauntered up. of the South; "been to Buffalo?"
"Yep. I'm dragging a bunch of lambers out to the camb on Powder river


He was tossed a couple of blankets, a 'tarp' and a pair of sougans
There goes them yealirs. Heah, Brownie - way out around 'em-way out-we git fo 'tyFleet as a deer the handsome collie dog shot
the lead of the band, which had been feeding almost on the run, and, during the conversation,
had spread out on incredible distance. The dog ent at a speed which to Smith seemed impossible; leaping in long bounds ower sheep nearer saw him coming, and.
tus. The sider tus. The sheep nearer saw him coming, and,
turning, fled to the rear. By the time he had reached the lead, the entir band was rushing
to a common center. Turning the band with to a common center. Turning the band with
his fast dog. Robinson now began to maneuvre the sheep with a slower animal. He raised his arms horizontally, and bent them at the elbows
until the hands pointed to the sky. The dog stopped, and then returned to his master. English shepherd, "at ' em ." slow-Fuzz-up this With a gesture this way and one that, he dias though he moved like an automaton, so perfectly did he execute the commands of his mas-
er. The sheep were gradually rounded up and were soon in a more compact mass. Again Rob-
inson raised his arm, bent at the elbows until inson raised his arm, bent at the elbows until
the hands pointed to the sky, and the dog rethe han
turned.
pass. "They want these lambers right away."
"Those were sure smart dogs." said Smith,
dropping into the vernacular of the country. dropping into the vernacular of the country. Pretty fair curs-but only fair," said the driv-
"Charlie is always showing off his dogs before strangers; Wait till you see Old Scott down to camp. He's the daddy of 'em all. He knows
more about sheep than any man in the country Any herder that gits Old Scott only has to git his meals and draw his pay. The outfit wouldn't dog."
They had dinner, at a ranch house and then pushed on. The trail which they were following was now only a faint track. The stops to were now sixty miles from Buffalo,

"There they are," said Bumpass, pointing to a
wagon, which was covered like the old-time prairie schooners, with a stove pipe sticking through Smith had expected to see a ranch house or
ome siurilar building with corrals and other necessities for working the cattle, but, instead, the
camp was only a sheep herder's wagon with a supply conveyance standing near. Ten miles to south there was another wagon, and further
n there was another. This was the lambing camp. But for the presence of the sheep and
their herders, the scene was just as baren as their herders, the scene was just as baren as
the remainder of the range. The supply wagon rew up alongside the herder s, home, and Smith and the other 1
ing the horses.

## Put we put them? asked one of the men.

 laugh. "Where in hell do you think well put em? In a box stall? What do you know about bushy head, the face covered with a beard, two hairs of which were parallel, stuck itself "lello, Josh," said the head, "what's up
## Lamber wanted to know where to put

"Tell him to to turn them out in the pasture,"
It dawned upon Smith that there was no place
or the horses but the range, and he wondered what would be done with them. He saw Bumpass take from the supply wagon six. pairs of
hobbles, which he deftly adjusted to the forelegs of the animals. A portion of grain was then placed in nose-bags, and each horse received his evening meal. After the horses had been taken
care of, Smith joined Bumpass in the herder's are of, Smith joined Bumpass in the herder's
wagon, while the other lambers were put to the wagon, while the other lambers were put to the
useful task of splitting wood and carrying water for Kelley, the camp cook. Smith's entrance into oy. Concerning the home life of the sheepherder, he had given little thought, and now he was seeing the practical side of the work. The wagon had the ordinary running gear of a farm
wagon-but upon it was builded a miniature ouse. At the rear end was a bunk, supplied
with mattress and bedding, which stretched from one side of the wagon to the other. Beneath the bunk were a number di drawers in which provisions were kept, and on each side were boxes
sunk between the wheels where bread and meat sunk between the wheels where bread and meat
were stored. The stove was a small, four-holed type, in which Kelley was baking bread. The
foreman of the outfit, "Doc" Duncan, had just come in, and Kelley was preparing the finishing

You fellows out there come in and get your chuck and eat outside," said the cook. "There isn't room in here." After the other lambers had
taken their suppers and sat down on the wagon ongue, Kelley served supper to those inside. It was well cooked, and the food, though plain and
substantial, tasted to Smith as well as could the best efforts of the most highly paid chefs in the netropolis. "Air tights" or canned goods mado up a large part of the menu, spinach and sweet potatoes being served from cans.
"There was a couple of cow-punchers around "There was a couple of cow-punchers around ut the steaming coffee, and to rey pretty soon. They didn't seem to be doing much. Just loafing around like cowpunchers always does. I never did see such a lazy outfit as cowpunchers. I
remember when I was cookin' for the Flying M remember when was cookin for the Flying M They laid in the bunk house for four weeks, and when he tried to get them to dig post holes for a fence across Dry Creek Canyon, you ought to hear the roar. Do yout suppose them cowle of badgers and fixed them trapped a couand chains. They'd ride on their cayuses, drag. gin' them badgers along till they struck a place
where they though there ought to be a post hole, and then drop a few grains of corn. Them badgto China for corn. In ten minutes by the clock they'd have a nice post hole dug. It was pickin's
for the punchers, but I never seed a cowpuncher who wasn't lookin' for pickin's of some sort.
When I was cookin' on the round-up' with the When I was cookin' on the round-up' with the
chuck wagon, Id ask the horse wrangler for white man? Not much. He'd get on his nag a white man? Not much. Hed get on his nag
and rope a couple of sage brush, drag them in
and then drop his loop over a cottonwood log. They're the laziest skunks on the face of the "arth, them cowpunchers."
"Did those fellows try
"Did those fellows try to start anything?"
"No. They kept pretty much to their business.
They was raising their usual holler about the They was raising their usual holler about the
range being all sheeped off and no place to work the cattle for the spring round-up this side of the river, but they didn't go to prognosticatin'
any trouble. Reckon they'll start anything?'' any trouble. Reckon they ll start anything? Ten
"Naw. Ever since that killing up at Ten Sleep, where Barnes and Waters were sent up for Tife, the cow outfits are getting plumb tame.
They hate us as much as eveh, but they haven't got the nerve to go through with it."
It was growing dark. The sheep ha from the range and were bedding down for the night on a knoll belind
were also getting sleepy. "Where do we bunk?" asked one of the new "Got your beds, haven't you?" asked Kelley.
"Sure."
"Well, I reckon you can sleep in the far pas-
ure. Better close the gate, though, 'cause it's
goin' to be windy tonight, and you might catch your death $\mathrm{o}^{\prime}$ cold." IVith whose wagon exception of the regular herder used for the camp, and Kelly, the cook, all of the men spread their beds outdoors.
or even rain, while the sougs " kept out the dew,
formed the dounkets pering. "Ye the the take the were the first words Smith heard the next morning when After a hurried breakfast in the wagon, he
After went over the hil
heep were feding.
sheep were feding.
"Don't them get away too far," said Duncan,
who was looking at the herd, "or the lambs will who was looking at the herd, "or the lambs will
be scattered all over the range. And don't dog be scattered all over the range. And don't dog
them. Old Scott here knows the work, and all you have to do is to keep them from stringing out all over the country." Smith's experience in watching Robinson work
his dogs stood him in good stead, but with Old cott he had to give but few directions. The veteran of the range seemed to know intuitively
when the sheep should be turned, and after Smtih when the sheep should be turned, and after Smtih post to see that they did not continue their feeding in forbidden territory. Smith soon learned the herder who had Old Scott was indeed for-
tumate. The long, lonesome hours did not pall upon him. The habits of the sheep, the intellience of the dogs and the wild, primitive surhe would see the sheep suddenly turn and run from a spot where there was no dog, and he
would get a fleeting glimpse of a coyote, frightand his dogs. Day by day, Smith tended the drop band.
Early in the morning, the newly' born" lambs and their mothers were cut back from the main herd and turned over to the other lambers who were hired to take care of the small bands until the Smith was learning through experience the ard Smith was learning through experience the art
of herding, and was surprised to discover there was much to learn. By the end of the lambing scason, he found he would do the work better and easier than when he started. When the last of the young lambs were thrown in with the main "You can have this band if, you want it," said
the foreman. Simith took the job. By degrees the band was slowly worked westward toward the Big
Horn mountains and the ranch house of the

Scotch outtiit. Bumpass called weekly with new each visit. The first week in July found the
sheep in the shearing pens, and there the heavy winter flecees were removed. Rough, strong but dexterous men held the struggling animal with one hand and stripped off their wool with
power driven clippers. Wranglers marked the power driven clippers. Wranglers marked the
naked sides with new paint brands, and by the
end of the week the band was in the mountains for the summer range.
The lambs grew fat on the tender grass during
the fleeting months, and in the fall the the fleeting months, and in the fall the wagon again rumbled down the steep slopes in its
way to the winter range. The nuatton herd cut out and shipped far away to Omaha It had
been months since Smith had tasted whisky, and the old desire had departed. "Want to go to town before we start for the
river?" asked Duncan. "No. Iskesss Im Im getting atright as it is.".
Through the winter his work kept him on the Through the winter his work kept him on the
range but a few hours a day. The sheep left the
 in the afternoont: During the long nights he read
many took un a helputl course
many
in a
only an apportunity to be more thorough in his
studies. In the early part of January the blizzards came, and many times he was forced to
leave his waris the terrified band to stay upond the bed dround in
the face of the stormy. Drifting before it, they che face of the storm. Drifting before it, they
would have been lost and seattered, at the mercy The end The end of the first year found him again in
the lambing campp on the Powder river. During
the year he had made tive hundred the year he had made five humdred and forty
dollars, and his expenses, including books, clothing and tobacco, had been less than one hundred
Under the old life Under the old life, Smith would have journeyed
to town, and in two fevered weeks would have spent the accumulation of a year. It was a differ
ent Smith now. He went to ent Smith now. He went to town, but it was
to open a savings account, where his mioney Irew a cre ditable rate of interest.
Smith continued to study and learn much of
俍 the wool growing business. In the fall he was
made a camp mover, with a raise in salary, and the following spring he was assistant to the fore man, Two years later he replace, Duncan, who
had gorie into business for lhimiself. The balance at the bank was growing rapidty now
One day in the spring when he had been in
the employ of the Scotcl outfit for five years,
he was in Buffalo getting lambers for the yearly "Hello, Smith," said a voice which he recog-
nized as that of Old Man Greenwood, owner of a big cattle ranch on the lower Powder river.
"Howdy, Mr., Greenwood," said Smith, and he
"Hen regarded the other somewhat curiously.
"I want to have a little talk with you," saic the cattleman, seriously. "I wayt to know how a good man like you is sticking in the sheep
business. That is what's bothering mee."
"'mo just the man who will tell you. It's tot
. Tin just the man who will tell you. It's ifor
throughi the love of the gane. believe me. Its
business. Just business. You're in for cattle.
Yout have in the neighb. You have in the neighborhood of one hundred
thousand dollars tied up in your ranch and stock and what are your returns? Not a cent' over ten per cent. Isn't that right?
Greenwood nodded.
Now, all this talk about a sheep main being
a devil on general principles is rot. We're out
fout gives free range, so one man is as good as an going into it on my own hook as soon as the
Lord will let me. A band of three thousand ewes is worth-ten thousand dollars. That is
invested capital outside of water hoies, which
will pay for themselves in the natural increase to twenty-tiree cents a pound, and with a high pays operating expenses a
vested capital and the loss through deaths on the winter and summer ranges. The increase is our profit. It's profit of from twenty-five to
fifty per cent net. If you're from Missouri I can
show yon how you. Do you suppose that I would have if there wasnt sheep men thave all the best of it now, and you "By Jimminy,", said Greenwood, in astonisl1-
nent. "I never looked at it like that before ment, I never looked at it like that before-
it sure does look reasonable. Say-did you say it sure does look reasonable, Say-did you say
you wanted to go into business-I tell youcome out to the ranch with me- I want you to
look it over and then well talk business., look it over and then well talk business."
Smith went to the Double Bar X ranch and they talked it over. It was there that the Powder River Sheep Company was organized. It is now ming. It was there that Smith met Old Main

## The Great Icebergs of Greenland

Their Menace to Navigation


#### Abstract

That her ocean plowing titans might not break themselves to pieces apon the ede dereicersmen come out of the far north, the federal governmen has for years been studying the problem of avoiding these dangers of the deep. the iceberg to its origin, has followed its botgan down the solopes of Greenland, watche bit plunge with a mighty splash into the ic it plunge with ocean, followed thousand miles to the south, and there witnesse its final melting in the warm waters of the gul srrary line off the coast of Newfoundland, whic represents the point of danger for ocean traffic. represents the point of danger for ocean traffic To all navigators the federal government ha extended a warning of the constant danger of coming within this line, particularly during April season of the year. "The speed demon is responsible for another . great tragedy," said Captain John J. Knapp, chief hydrographer of the Navy department when the Titanic broke herself to pieces on an iceberg that atal Sunday night. It it the busi ness of this office to war havigators of the dangers of the seas. For years we have been issuing maps and warnings to all the stamship companies showing them just where there is ice and where death accompanies whoever put to sea in ships. These warnings have not been heeded, and now the greatest marine tragedy heeded, and now the greatest marine traged in history has resulted. This tragedy took place within the region that we have been marking as unsafe for years. The steamship companie have been regularly running the gauntlet o the known dangers of these icefields that the might cut a few hours off the time of making the transatlantic trip. By but slightly lengththe transatatic journey, they might have made  It is this hydrographic office of the govern ment that is the great authority upon icebergs ment that is the great authority upon icebergs Particularty has this office made a study of the icebergs and the ice fields of the north Atlantic ocean. Here it has found much of fascination because the conditions are such in this region as to breed the greatest icebergs that the world knows. Greenland is the mother of these mon-


All the interior of Greenland dips toward her western shore. Beginning at the water \& edge
the elevation of Greenland rises steadily until lit has reached a height of 10,000 feet. This entir mass is covered by a huge sheet of ice formed
from compressed snow, and is in reality one enor mous glacier which gradually creeps downwar to the sea. Along the coast of Greenland ther-
is a fringe of islands which stick up like the teeth of a saw and tear great ritts in this descend
ing glacier. The weight of the trillions of ton of ice crowds the nose of the glacier between
these promontoriessand into the sea. There is thousand miles of water front that thus conver
itself into an iceberg manufacturing machine. itself into an iceberg manuarthang between two of
After the glacier is thrust ben these promontories and into the waters of the
Atlantic ocean it projects itself until its ver weight breaks it off. Then a huge block of this
glacier drops into the ocean and becomes glacier drops into the ocean and becomes an
unattached floating mountain of ice. An ice unattachee hoor been born. In the language of the
berg has here bee
experts of the hydrographic office this process is called "calving.
The size of the pieces set adrift in this way be considered an average specimen if its perpendicular walls were a hundred feet high an
its spires and pinnacles reached to two hundre or three hundred feet in height and the length and breadth of which was two or three city
blocks. The Capitol building at Washingtor would be about the size of the portion of an or-
dinary Greenland iiceberg which may be seen

Iebergs are made the year around, but are the glaciers move faster at that season of the year. When once set adrift on the western shore
of Greenland the iceberg soon finds itself in the Labreador current and in this soothboound stream
of the waters of the north it begins its journey of the waters of the north it begins its journey
to the southward and toward its wltimate dissoto the southwarn and toward dts ultumate disso-
lution. This is not an unobstructed drift, but one attended with many stoppages
Many icebergs run aground in Many icebergs run aground in the Arctic basin,
and there break up. Others reach the shore of
Labrador, where they flounder along the coast Labrador, where they flounder along the coast
for a season or two before they go to pieces.
Others stick to the main channel and reach the Others stick to the main channee and reachl the
open seas without a hith, and in this way make
a much more rapid drift to the south these a much more rapid drift to the south. These
are the icebergs that go farthest because less time ise expenergs inat ine tro iarthest and lesso papore les
tor melting is therefore to be had. These are the
for icebergs that stick their noses even into the warm
waters waters of the Gult strean and even into the warm
selves to any transatlantic liner themselves to any transatlantic liner which wants to
convert itself into a battering ram. The Labra dor current upon the bosom of which rive Labraa
fleets of the most imposing icelergs that the world ever knows, paspses to the ebouthward along
the coasts of Baffin Bay and Labrador, and al. though its currents are in places very slow it makes an average headway of twenty miles a day
It pours into the Allantie enormous 'masses water for which compensation is derived from the warm streams of the Atlantic and from the
cast Greenland currents that are sucked around cast Greenland currents that aree sicked around
Cape Farewell and furnish the only warming in Cape Farewell and furnish the only warming in-
fluenence that comes to the west coast of GreenClupe
fluand
land
The life of the average iceberg is two or three vass. Fron the time of calving to the time of
dissolition in the warm Atlantic the sutceessfui
iceberg tavels iceberg travels a maximum of two thousand
miles. There are usually viany delays, and it is the second or third season before the iceberg
finally gets into the finally gets into the open Atlantic and melts.
The sheets of surface ice that coovers these north ern waters through the greater part of the year
materially delay the progress of the iceberg. So yast is the bulk of the bergs of that is is below waterg
vo and so strong is the pull of the ccrrrent upon if
however, that it is no uncommen thing to see however, that it is no uncommon thing to see
an icelerg stadily a avancing in a irizen sea and olowing its way through ice tiant is fucur or
five feet thick May of inve feet tinck, Many of these sturly vessels that
have explored far northern waters have taken advantage of the drifts of an icceberg to the south
liave 1 oored their ships in its wake and have noored their ships in its wake. and have
been towed many miles to the southward. Thus been
they have mained passage through ine that
would have been impossible for them to break. This association with an iceberg, however. is one of the most dangerous of all affiliations. The
stuff of which these huge bodies are made i the brittlest imaginable, and it is a matte: wonder what small things may upon occasion
cause it to break to pieces. The blow of an
 pieces. The men of the north who know the
treachery of icebergs approach them with great treachery of icebergs approach them with great
cantion when it becomes necessary to get water froman thenn or to anchor to them. Alonk: the is packed with bergs the noise of the rupture o
these great ice masses is often dea ening, an is packed wit bergs he nise of the these grat ine masses is often deatening
the experienced give them wide berth. the experienced give them wide berth. water from the surface which is caused by the
heat of the sun finds its way into the crevasse heat of the sun tinds its way into the crevasse
and at night freezes again. In the frezzing pro-
cess it expands and, acting like a wedge, forces cess it expands and, acting like a wedge, forces
thic bero into oraments. This process gratiy
aids in the final breaking up of an ireberg. There aids in the final breaking up of an iceberg. There
are on recurd instancess of icebergs tliat have
ieen so formed as to leave no crevese ioen so formed as to leave no crevasses and so
fortunate as to strike no obstructions during
their trip toward the open and that have drittcd their trip toward the
alnost to the Azores.
These stely
uncese stately derelicts of the far north assume such tantastic shapes as to remind one of crystal
palaces of the imagination, Some approxinate
regular geometric figures while others are crowned with spires, domes, minarets, while vet
others are pierced by deep indentations or caves.
Small cataract precipitate themsileses from the
large icererss wwile icicles hang in clusters
frome every projecting ledge. It is no wecommon
no
north suidetenly on these crystal palace turtie, lip its mighty crest and reappearity, turn creature. Often the bergs are so nicely balanced sliifting of the melting of their surraces cat.se of the mass as a piece of ice is ofter seen to turn
over in a pitcher. Vessels that are very over in a pitcher. Vessels that are very neal
those icebergs when they turn over or break to pieces are in great danger of being crushed or cap may break a ship in two. Portions of an iceberg maver, water may a project far from its apparent
messel may crash into this to its
destruction. All these compared with the result of rumning head on into one of these ice monsters unaware. The iceberg is but one form of the danger
that lurks in the cold waters of the north. Field ice is little lcss to be dreaded than are the solitary
monster chunks of that material. Field ice formis upon the surfaces of northern bodies of water and along the shores of such inhospitable lancis as
Labrador. This ice grows thicker year after year until it is fifteen or twenty feet deep. Then, so.ne summer, a great area of it becomes detached
from the shore and begins drifting. It may be taken up by some such influence as the Labrador
current and borne on along. This current is current and borne on along. This current is
prone to, do strange things with the field ice. it remains in slugris waters. Winds may accentuate this motion. Smaller :cebergs become a part of the mass, and
are liberated to the southward. These are known are liberated to the southward. These are known
as growlers, and are among the most dangercus as growlers, and are among the most dangercus
of the ice masses that interfere with traffic to the north. A growler, a low, dark, indigo/col rounded top like a whale's back, is difficult discern, and may cause the death of any ship.
Great masses of this field ice works steadily to Great masses of this field ice works steadily to the scath, and is augmented by other areas that
it breaks loose from the Labrador post. The whole moves on at an average rate of ten 11 lle of January and the middle of February Many strange experiences have been recordel
in th: north in connection with the drift of this in th: north in connection with the drift of thi
field ice. The greatest journey ever made by ield ice. The greatest journey ever mad plished by Captain Tyson in 18
party of nineteen others were separated from eight north. Being unable to regain the ship they remained on the flow and accomplished one drifted 1,500 miles on this ice barge, which groun drifted 1,500 miles on this ice barge, which ground
and broke and reunited itself continually beneath
then. As they came further south they saw the them. As they came further south they saw the
ice tinat hept them afloat gradually melting beneath tiem. Every day for six months they
seemed to be near the inevitable end. Finally the Tigris, a sealing steamer from Newfoundland picked them up near the
latitude fifty-three-north
Off Belle Isle these areas of field ice find their way south in the Gulf stream, where they are
often to be seen in all manner of shapes. Usually often to be seen in all manner of shapes. Usually
these ice areas are white, covered with snow, and visible at a long distance. They are full of hummocks, uneven blocks piled high upon each
other or stood on end, and the whole mass forms
an im. an impenetrable field which is dangerous to any craft.
Old seadogs of the north have many methods by which they are able to sense the presence of
icebergs. Before ice is seen from the deck of a ship what is known as a "blink" is detected by
the old mariner and indicates the presence of danger. This blink is a sort of flare of light in the
sky and comes from the fact that the ice refracts either moonlight or sune fact that the ice refracts
where there is a possibility of in the region

$\qquad$ a fog they can be made out because of an apof harboring icebergs the whistle or foghorn of
the ship is often sounded and great care is ex-
ercised to determine whether or not there is an
echo. When this echo is heard it indicates that
there is
may even be figured by the time which elapses between the blowing of the whistle and the hearand upon this basis to determine feet a second between the ship and the iceberg the time in seconds would be multiplied by 550 . The presnoise of their breaking up and falling to pieces.
The cracking of the ice or the falling of pieces into the sea makes a noise like breakers or a dis-
tant discharge of guns. The absence of swell of there is land or ice on the weather side. The apfrom land is an indication of the proximity of ice. The temperature of air falls as ice is approached, especially on the leaward side, but gen-
erally at an inconsiderable distance from the oberally at an inconsiderable distance from the ob-
ject endangered. The fall of the temperature of sea water is sometimes a sign of the nearness
of ice. The ability of old seamen of the north to determine the nearness of an iceberg by the mere
fan of a cold breeze often seems almost super. human, Taking passage on a transatlantic liner at
April season of the year and crossing over thy northern route," said Captain Commandant E. P.
Bertholf, of the revenue cuter Bertholf, of the revenue cutter service, "is like getting into a cab, and ordering it driven up a
street that you know to be studded with bombs. treet that you know to be studded with bombs.
If youn get through this sort of street your conall over, and the public has no epithet vile enough to apply to your stupidity and the cabby's lack:
of skill. Yet the public is demanding and the tisks every time a vessel hurnish across just such
the risks every time a vessel hurries across the At-
lantic under full steam by the northern route Both the public and the steamship people reOne great tragedy has resulted from this policy and others will result unless the warning is
heeded"

## WAR ON THE PINE BEETLE

 During the past few years the dying of pine in the southern Atlantic and Gulf states, from ages of the southern pine beetle, has attracted the attention of the United States department of agriculture and the bureau of entomology of that department has been conducting a special invesFarmers bulletine lines.partment of agriculture estimated by the department of agriculture, estimates that if all the
pine that has been killed by this insect during pine that has been killed by this insect during
the past five years were living its stumpage Officials of the agricultural department are co-operating with the local authorities and the deal smaller than in previous years. be a great

## PRINTING AND PUBLISHING

This industry as a whole shows considerable growth in Texas during the last ten years. The
reports show that there were 962 publications in the state in 1909, an increase over 1904 of 206 publications or 27.2 per cent. Subdivided into periods of publications there are as follows:
Daily 9, Sunday 30 , semi-weekly 28, weekly 788 ,
monthly 64 , all other classes monthly 64 , all other classes 13. There are 914
English, 20 German, 20 Spanish, 4 Bohemian, 22 Swedish, and 2 Italian publications in the state The aggregate circulation per issue is $2,180,922$
an increase over 1904 of $1,126,16 \mathrm{I}$, or 106.8 per

## NIGHT SCHOOL POPULAR.



Cooke county received bids up to May 8 for
the construction of good roads. $\$ 100,000$ in bonds
the dept

## Lessons from Titantic Disaster

S. Naval Constructor David Watson Taylor, U. S. N. is regarded as one of the foremost authori-
ties on ship construction in the world. He has tice on ship construction in the world. He has by two of the greatest naval schools-the U.S.
Naval Academy and the Royal College at Greenwich, England -after having made the highest marks in his examinations that had ever been at-
tained by a student in the history of either institained by a student in the history of either insti-
tution, In Popular Mechanics, he writes as fol. tution, In Popular Mechanics, he writes
lows, concerning the loss of the "Titanic"
The "Titanic", catastrophe teaches no new le son as regards the fallibility of man. It simply
furnishes another example of the well established principle that iif, in the conduct of any enterprise, an error of human judgment or faulty
working of the human senses involves disaster sooner or later the disaster comes.
ment of the icaptain of the "Titanic" to risk pas ment of the captain of the Titanic to risk pas-
sage near the ice. That gallant officer and gen-
tleman went down with his ship to honorable tleman went down with his ship to honorable
death, and his story can never be told. It seems practically certain that he did not for one mo-
ment think he was running any material risk ment think he was running any material risk
of accident to his vessel, much less risk of destruction. The mere fact that he was not on
the bridge at the time of the collision is very strong evidence that he thought his course would
have cleared the bergs whose position had been Picked captains of Atlantic liners cling to the
bridge to the point of exhaustion whenever they consider the circumstances to involve the least danger to the ship.
If Captai. Smith If Captain Smith erred, it was the error of a
captain whose record and experience were of the bestety by better captains, and without speculat. ing as regards matters involving personnel and
discipline, let us now consider matters of maThe most salient fact is that if the "Titanic" had carried more boats or a number of life rafts
in addition to her boats, many more lives would
ine he swung out by the davits before lowering, and two sea boats swung out at the forward davits
ready for instant lowering in the case of man ready for instant lowering in the case of man
overbardo oth other emergency. It appears salso
ther that two more bats were carried over the of
ficers'
quarters, one at least of which was not lawered ank., bat floated away when the "T1-
There was evidently boats. The deck plan shows room between the
two groups of boats where to more could have been carried. Moareover, we learn from the des.
cription of the ship published papers nearly a year ago. that each pair of the So that as regards space there wa obviously roonk to install some 52 , instead of 16 large boats,
making in all 56 , instead of 20 , and there is no ing the larger number. the English Board of Trade, the responsible ernmental authority in this connection. It seems
practically certain that regulations all over the world will be promptly changed, and the boat
equipment of these very large shin the equipment of these very large ships stould cer-
tainly be increased to provide boat accommoda-
tions for a great opportunity here for international team quirements for safety of passengers, but tonnage rules, berthing requirements of steerage passen-
gers, etc., should be internationally standardThe facts that under the circumstances more
boats would have saved many more lives from the "Titanic," and that she could have carried about three times as many boats as she had
should not blind our eyes to the fact that lifeboats are, after all, a very inefficient device "Titanie" had actually carried 56 bossels, it the
not seem at all likely that nearly all of them not seem at all likely that nearly all of them
would have been launched. One of the 20 she did carry was not launched at all, being inconand apparently had been given no adequate boat
drill, but on the other hand the conditions were exceptionally favorable, there being apparently exceptionally favorable, there being apparently
an unusually smooth sea and little list of the
vessel at any time. Had there been any sea worvessel at any time. Had there been any sea wor-
thy of the name, the roll of survivors would thy of the name, the rol
have been short indeed.
The difficulty of launching lifeboats is enorthe chance of living in them after launching very much reduced. Properly built hoats with air tanks would not sink, but if overloaded and
inadequately manned, the majority of the pasinadequately manned, the majority of the pas-
sengers would succumb very soon. A boat
which would carry so or 60 persons in smooth sengers would succumb very soon. A boat
which would carry 50 or 60 persons in smooth
water could not carry nearly so many in rough water could not carry nearly so many in rough
water. "Titanic" was somewhere near 200 square feet. Imagine some 60 persons crowded upon a rect-
angular platiorm of this area, say 12 by 18 feet, angular platiorm of this area, say 12 by 18 feet,
and some idea can be formed of the conditions existing in a "Titanic" lifeboat loaded to capicity.
Lifeboats, no matter how much improved, will probably always be inefficient as live-saving ap-
pliances for the mammoth steamers of today pliances for the mammoth steamers of today,
Something different is needed. Twenty years ago it was important that a life-saving appliance should not only keep afloat, but be able to make
progress to port. It was not sufficient to rely upon the chance of being picked up. Thanks to the wireless, that is all changed now. Even
if a large Atlantic steamer were sumk without reporting her distress by-wireless, the survivors

Atter the loss of the "Bourgoyne" from a col-
lision, in 1888 , there was a prize offered by the lision, in 1898 , there was a prize offered by the
heirs of one of those lost for the best device heirs of one of those lost for the best cevice
for life saving, resulting in many suggestions,
thaugh nothing thatitappealed to to thqugh nothing that appealed to steamship own: ers as commercially practicable.
There will be a flood of suggestions as a re-
sult of the "Titanic" disaster, A favorite idea is a refuge deck or similar device to which ill hands repair when the ship begins to shink and
which floats cheerult which last plun cheerfully away as the ship takes her last plunge. The idea is not so easy to carry
out as to conceive, but there seemn no insuperable
mechanical difficulties in the way mech anical diffice, , but ties ine ine teene way. The The buble
goo that there is an irresistible suction when goo that there is an irresistible suction when a
ship goes down has been pretty well disposed
of ship goes down has been pretty well disposed,
of tor the present the vicine the stories of the "Titanic of icebergs, but there are im.
of portant ports which cannot be reached without
survivors. Steamship companies would be loath
some risk of encountering bergs.

fore the practice became common upon passenger
vessels. Money is lost when cattle are damaged vessels. Money is lost when cattle are damaged
by heavy rolling, but when passengers lose their by heavy rolling, but when passengers lose their
appetites from the same cause the expense of the line is lessened.
When the rumors of the "Titanic's" sinking were yet unconfirmed the officials of the company came out boldly with the statement she
was unsinkable. Since then there have been was unsinkable. Since then there have been
claims substantially to the effect that no pains or claims substantially to the effect that no pains or
expense were spared to make her safe, that the expense were spared to make her saie, that the the only safecty lies in in avoiding possibility of collision with icebergs. It is perfectly true that steamer lanes from the United States should
and all join the outer skin. It is an elementary principle of safety with such an arrangement
that bulkheads must be so close together that two adjacent compartments may be flooded at the saine time without danger to the evssel. This is a minimum requirement and its obvious reason is that a colliding vessel may strike just at a
bulkhead and throw open two conpartments at bulkhead and th
once to the sea

## once to the sea. The "Titanic"

The "Titanic" had, on her sides above the
double bottom, a single skin only. Experience with large steel vessels colliding with the bottom has demonstrated conclusively the graat protective value of the double botiom fitted on sutch
vessels. There is no doubt that if the inner bot. vessels. There is no doubt that if the inner bot.
tom skin had been carried up on the sides of tom skin had been carried up on the sides
the "Titanic," the protection against collision with icebergs would have been much improved.
The best practicable protection along this line with icebergs would have been much improved.
The best practicable protection along this line
would probably have been obtained by carrying the coal in fore and aft bunkers against the side of the ship, with watertight longitudinal
wing bulkheads separating the bunkers from the boiler rooms the fastest vessels crossing the Atlantic today. The additional protection afforded against col-
lisions penetrating the outer skin is obvious. The lisions penetrating the outer skin is obvious. The
saime idea is readily applied forward of the boil. same idea is readily applied forwarn of the boin-
er space where protection is most needed. Longitudinal wing bulkheads have some objections
of their own as ships having them will list when damaged, but with vessels having great free.
board the list need not be dangerous. A buik. head does not confine the water aiter a colhsion
because it is marked "W. T." (watertight) on because it is marked "W. TP." (watertight on
the plans. To fulfill its purpose it must be built water without serious leakage and it must have water without serious leakage and it must have
no holes in it if it has doors shey must be
closed. At the botton of the "Titanic" there were doors in practically every bulkhead.
They were ordinarily worked by hand, but ir an emergency a magnet energized by pressing
button on the bridge released a friction clu

 bydraulic or electric power.
While exact information as to the damage While exact information as to the damage
dope is not available, we may speculate without
much much danger of exaggerating it. A ship's officer
saw water very soon after the collision in the cow water very soon alter the colision in the
compartment next forward of the forward boiler
compartment and firmen were driven from their quparters-two compartments forward of this-
by encruaching water. This water may have by encruaching water. This water may have
tound is way from the vicinity of the boiler1som bulkheat through the firemen's tunnel.
Assuming that the ship was originally at the water line and that all buoyancy forward of the
orward boiler compartment was lost the new
tine of flotation which the ship would assume is above the top of the bulkheasi at the forward end of the boiler room which extends to
the so-called "upper deck" only. Hence the
water would find its way aft on the upper deck water would find its way att on the upper deck
and food other compartments fom above, the
sinking of the ship from this position being incvitable. There seems little doubt from state.
ments of the survivors that all compartments nients of the surviwors that all compartments
forward of the forward boiler-room bulkhead were pierced below water. buy ancy in the for-
If we assume loss of ail buy
ward boiler-room compartment as well as in the "ard boiler-room compartment as well as in the
compartments forward, the water would be nearcompartments forward, the water would be near-
ly zo feet over the top of the bulkhead next
abaif the damaged portion, In estimating these water lines it was assumed
hat the water between bulkheads found its wav thac lhe whtrough wecks. It doess not appear from
itrely up description of the "Titanic" that special en-
the the description of the "Titanic" that special en-
deavor was made to secure horizontal watertigits subdivision, and from staterients of the sur-
vivors, it appears that water found its way up Nireers, thropphars the usual deck ound ing way up
if the vessel had ben completely flooded be. low forward of the boiler rooms. but with a wa-
tertight deck at the water line so that no water could pass up, the new line of flotation would
have been vastly different. Even with the forward boiler compartment flooded in addition, the
new line with a watertight deck would have new been lower than before being flooded. This shows how benefeicial horizontal. water-
tight division forward would have been. With a tifht deck at the water line forward and tight bulkheads of adequate strength running, some to-
the shelter deck and some to the saloon deck, the The shelter deck and some to the saloon deck, the
"Titanic" coull h have had every compartment be-
'Ww water from the bow, to and including the
the forward hoiler room, thrown open to the sea, yet In conclusion it would seem that the lessons
impressed upon us by the "Titanic" disaster ín impressed upon us by the "Titanic" disaster 'in
seeking greater safety upon larger passenger ves-
 should be carried for all souls on board, but a launching life raits would be better.
2. The radio-telegraphic equipment and operation should be such that vessels near each other should always-be able to communicate.
2 Longitudinal watertight wing bulkheads, 3. Longitudinal watertight wing bulkheads, 4. Transverse watertight bulkheads should several at each end, and several deck as regards several at each end, and several that come next
should extend to the next deck below.

little above it.
6. Rudders should have about double the areas
now commonly fitted pil now commonty fitted on merchant vessels, with
operating gear of adg (uate power and speed.

## Sectional Viaw of Titantic, Amidships


to go to the great expense in this connection if
forced upon them. Not that the companies are iorced upon them. Not that the companies are
inhuman-far from it. But they are engaged in a business where competition is keen, and when the very human managers have satisfied the re-.
quirements of the governmental authorities and the insurance companies, they feel they have done all that can be expected. The governmental authorities are supposed to look out for the lives stand to lose if a ship is lost, are supposed to
insist upon requirements that will reduce to a minimum the chancr of such loss.
As illustrating the conservatism of managers carrying cattle from America to England were
fitted with bilge keels to reduce rolling long be.

Moreover, derelicts, though not nearly so nu-
merous as formerly, are not lision with a derelict may well be as dangerous as one with an iceberg. Finally there is the danger of collision with another vessel, especially in a fog. So it seems worth while to consider whether the resources of the naval architect, as regards safety in connection with collision, wer
really exhausted in the "Titanic" The broadside elevation of the
that she had an enormous reserve vessel show volume above the water line. Incidentally will be noticed that the "upper deck" is not the highest deck and the fourth smokestack is not a smokestack at all, but apparently a ventilato
from the sngine rooms.
Tr- iertight bulkheads are all transvers

## 4

## ORGAN'S MEN <br> STORIES OF THEIR EXPLOITS <br> As Told by C. W. GEERS. One of Morgan's Men

cipline was to call mode of dis out of their barracks and mand them to stand in a row that many of them were as the winds sthey shivere grounds from Lake Michigan. "right dress and stand
straight and rigid." Then the guards armed with guns and
pistos, would form a line command them to wend cocked guns presented, stooping posture until the tips of their finger knets to remain perfectly stiff. They called this reaching' for corn," and we would be compelled
o stand in this position sometimes as long a oour hours, Many of the defenseless boys, hun-
dreds of miles from home and friends, would become so fatigued that they would give u be conveyed to a warm room in headquarter barous flogging as incorrigibles and past cure
except by torture. The blood would run from he nose and mouth of many, and the guards the," though ""they were getting' off light for Another mode of torment was to march all
the prisoners out of the barracks and make them hours. There are men in Denton county, prisIf all the -Federal guards as mean as Henry
Wirz were punished in the same manner as was Herry, the pension rolls would be greatly re
duced in number. To cover up their own diabol. stm they cried "stop thief" and hanged Hent Another cruel method was employed to punish
a whole barrack at once. The guard would
march all the boys out and make them stand in the snow erect in line, telling the sentinels to they would go off to a stove and warm them
selves, and on their return, would examine the the boy had moved would act as thouill the boy had committed a murder. They would drag him cy. They enjoyed the sport. Denuded of his
clothing, they would tie his hands together, and command him to "come across," If he moved
while being whipped he would get twenty-five or thirty lashes extra. If he cried out under
the torture it was an excuse for doubling the whipping, and a fresh guard would lay on extra
lashes. Other guards would stand with pistols tim could not lie still they would tie his feet and would threaten to shoot him.
Right here hese guaris were, in the later part of 1864 , sel
to the front and many of them could not be mad heard, after the war closed. They were the vilest
ad most arrant cowards in the Federal arny. the river Styx to give an account of their crimes
and receive such punishment as Satan desires
ant The guards would hold conferences to learn
any new device of punishment had been inieing men up by the thumbs and the other puin
$\qquad$
$\qquad$

 or wounded. The most innocent mistake would


 fight against their homes. of the Confederacy and were Benedict Arnolds The great body of of prisoners setermined to to tot and perish upon the altar of their country rathee
than betray or desert their comrates.
Like the
 um stands, Rome will stand, and when the Col
isseum falls Rome will fall," so declared the in prison: "While Richimonid stands the Con federacy wil stande Richmonis stands the Con Confederacy will fall :" and they resolved to rather die as martyrs to t,

## to be made in writing to Lieutenant Fife Wha

 a prisoner was seen to tieutenant Fife. When knew he would be tranferred to the "loyal row."He would try to He would try to keep it a secret; but his sneak-
ing, villanous presence. his hang-tog air and
mien, invariably betrayed his treachery, and his
 and degradation, would stand isolated and alone,
with his cap drawn over his eyes, or lie in his bunk until summoned to retaurrat, to headquarters
and thence to the "loyal and deserters row." The three barracks composing this "row" were
looked upon by the boys in gray with more scorn
and hatred than were the neyr sol and hatred than were the negro soldiers or the
Fedcras. We were told by the Federals that
they had orders from Washington to pick out they had orders from Washington to pick out
the "white sheep" and separate them from the
goats, to be looked aiter by the great Shepherd
leat the be tecome lest the by beomec contaminated by contact with
the rebels. The Yankee soldiers, however looked upon this class of men with a suspiciou
eye, and would not trust two or three of then together with guns in their hands. No two o
them were allowed to serve together in the same regiment and we heard that no Yankee would
sleep with them undider the samme blanket.
A ter having undergone all the preliminaties and taken thic oath, the prisoner, escorted thy the
or thres or three Federal soldiers, would return to the
barracks and get his things and then leave, never
to be seen by us again. We were allowed to write short letters home,
within the Federal lines, once a month, but were not allowed to seal them, as they had to be in
spected by the censor. day, followed by hassed pet through the prison one
(was fortie fog
dat and play ful and wagged its tail all the wase The play iul and wagged its tail all the
time. The dog was enticed into one of the bar-
lickse missed his dog and puta notice on
the bulletin board, offering ten dollars reward for its return. A Arisoner wrote under Fife's
notice: "For lack of bread, the dog is dead for want of meat, the dog is eat." This enraged
Lieutenant Fiie and he instituted a rigid invest:Kaion as to the fate of his dog. Ultimately the
barrack was discovered which had butchered and eaten the dog. As a penalty for this offercece, an
tions were withheld for three days from the boys One morning Genceral Joseph Hooker entered
the prison on horseback, followed by an escort and their uniforms were mounted on tine himmed with lace an their shoulders were decorated with fishasy epau-
lettes. It was an imposing scene. They dashed around the prison square, and then out through
the gate, making thecir visit brief inded. visited the prison in a fine carriage Mortor Morton of an exchange of prisoners.
We were also visited by twelve Indian chiefs representing twelve tribes. They were on their
wa to Washington City, to confer with the
"Great Father." They remained in the prison
Git A Baptist preacher would occasionally visit fort. He loved our souls but denounced our
booties as animal and carnal, that ought to be
destroyed as they consisted of meat only; being anspiritual and brutal. He despised our "ways
also, which he thought should be destroyed a duct. etc. As our ways were directed by the
spirit. the body being but an instrument to do He will, we could not see how he could love the
author of our ways and hate the meat. The guards would stand around and cry "amen and
look at us to see the effect of the sermon. He breast, while speaking in a whang-doodle tone,
asking the Lord to open our eyes and be mercifui toward our souls, He was the blindest, most
ithiterate, heathenish jacobin we ever saw at large mean as the preacher, enjoyed his how of then f a bayonet. Several of the boys were made to
ide the "mule" for declining to shake hands with
jected to this infliction in retaliation for baptizing I pray the Lord my soul to take." Scores of our Federal prisoners in Kentucky and Tennessee. men were shot and killed without provocation,
But our preachers had never forced the Yankees but there is no record of a Federal guard being But our preachers had never forced the Yankees but there is no record of a Federal guard being
to be baptised or to listen to preaching. Such called to account for murder.
as were baptised had voluntarily confessed Christ.
ase During the night, in the dead of winter, the get up in to "Morgan's mule" or shot down "for
prisoners were not allowed to approach the stove. attacking the guard." From day to day and

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The bleak and storm-beaten barrack issued a night to night, the process of pain, starvation
melancholy moan as the chilly currents of air and shivering was continued in this wrethed
blew through its rifts and cracks diversified only abode, which we shall not attempt to describe
by an occasional report of a gun, and the cry of further, but will leave the boys here for the pre-
a wounded or dying soldier boy. All felt that sent and follow Morgan and his officers who
they were in danger of being killed before morn- were marched from the cars at Columbus, Ohio,
ing, and hundreds of them employed the prayer to the penitentiary.
which they had committed to memory at their
mother's knee: "If I should die before I wake, this sectes of Morgan's Men will appear once a month in
mor the paper.

| Southwest Texas Shipment. <br> Following is a classified arrangement of the shipments from Southwest Texas, in carloads: Onions, 1859, value, $\$ 943,788$; |
| :---: |
|  |
|  |
| Auditorn and Aceount |
| We straighten and adjust complicat. ed books and acounts for any buai- iness and for towns and counties General Otficen, Jnantan Ballaling, DALLAS. TEXAS. dALlas. TEXAS. |
| answertug natrertiecrs meation this paper.) |

cabbage, 205, value, $\$ 23,138$; po-
tatoes, 804, value, $\$ 238,062$; can-
taloupes, 6 , value, $\$ 871$; cucum-

PATENTS


Turner \& Bradley
4. value, $\$ 916$; yellow yams, 10,
value, $\$ 2,025$; green beans, 1 , val-
ue, $\$ 63$.

## JAMES J. MOLLOY

$=$ For the use of dentists and bar-
bers there has been invented a
netal holder for tumblers, with
which water may be heated by



Texas Carlsbad Water



South Texas Is a Great
and Prosperous Land


## MINERAL WATER DEPOT  DEALIRS IIT Til Soun <br> \begin{tabular}{|c|c|} \hline \multicolumn{2}{|r|}{$$
\mathrm{ry}
$$

 <br>\hline
\end{tabular}



 $\frac{\begin{array}{c}\text { american motor co. of texas. } \\ \text { dellan, texas. }\end{array}}{\text { and of the newspapers which re- }}$


## Children's Stories



Out in the wood stood a tall tree where birdies
loved to build their nests and teach their babyloved to build their nests and teach their baby-
birds to sing. It was such an old tree that it
 tree you make a big mistake. Why! there is
not so much as a leaf to shelter me from the
wind and the sun." And she flapped her wings angrily.
"My


| An attachment for phonographs by which a violin can be counected with a record and made to produce music has been invented by a Wisconsin man. | To all actress is attributed the recent invention of a capacious trunk which can be converted into a complete bureau and dressing table. |
| :---: | :---: |

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| amman | Mineral |
|  |  |
|  | The Kingsley |

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THROUGH SLEEPER TO ST. LOUIS. THROUGH SLEEEPER TO ST, LOUIS THROUGH SLEEPER TO SHREVEPORT THROUGH SLEEPER TO NEW ORLEANS Gives choice FORT WORTH 6.50 P. M. DAILY Trips. Summer excursion tickets on sale Jund Vacation pleasure to helo. Diverse Routes, Liberal Ste 1 to Sept J. F. ZURN, D. P. \& T. A
C. M. HAB

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 Road Uses 325,000 Pencils. Perhaps one of the most strik-
ing instances of saving is fur
nished by the Rock Island rail-

pencils in the performance of their duties. These pencils cosst
approximately $\$ 6,000$, or a little more than I/ cents, apiece. Th
average length of a lead pencil
To Automobile Owners
 about seven inches, which would make each inch of pencil cost a
trifle over \$o.002. $\frac{\text { Until recently the employes }}{\text { Now is rue time mone }}$
Cow Peas, June Corn, Kaffir Corn, Milo Maize, Cane Seed American Seed Company
were given new pencils whenever
they requested them. An invstigathey requested them. An invstiga-
tion disclosed that, on an average.

ED EISEMANN
 ros rranilin Ave Homenton, Tese away for a new one. That was
a needdess waste, the efficiencr expertsess figured, and accordingly
a surgestion was made-which in reality amounts to an order-re
quiring that the stub of each per
B. F. \& C. M. DAVIS Engineers and Contractors

cil shall be returned before a new
one is issued.
The stub of each pencil must
not only be returned, but it must
be reasonably short, or the new
Early Vegetables Wanted


## Farming and Poultry



POULTRY HINTS.
POULTRY HINTS.
Powdered charcoal should not be fed in the
mash. It it not a feed but a medicine. It purifies mash. It is not a iect but a medicine. It purifies
the blood and absorbs noxious gases Ihe bloot and absorbs noxiouss gases generated in
digestion. By feeding it in the mash the fowls
eat more of it than they require. Use the coarser eat more of it than they require. Use the coarser
grades of clarcoal and feed it from a hopper or other feeding utensil, thus permitting the fowls partake of the same when necessay
In feeding dry beef scraps use quality obtainable. Some of the so-calliled scraps
sold are nothing more than fertilizers and are
entirely nethe entirely unfit for poultry food. A good artiter
can be detected by scalding. It should have the can be detected by scalding. It should have the
odor of cooked meat.
Milk in almost Mik in almost any form is an excellent food.
It may be given as a drink or used in the mash
in place of water. Skim milk and buttermilk are in most common use.
Stale breal may be used with perfect freedom as it contains nearly the nutrient ratio of wheat.
It may be used in the mash or otherwise. It may be used in the mash or otherwise
Chickens relish onions in any form,
Chickens relish onions in any form, but if fed
to any extent onions will affect the flavor of
the eggs. Coked onions will not produce this effectand may be given more frecly
Laying hens should have a supply Laying hens should have a supply of cruslied
or ground oyster shells before them at all times, as they furnish the material for egg shells. Clam Shells are also used, but are not as good.
Keep the chicks growing. If there Keep he chicks growing. If there are any
drooping their little wings and sitting around
look them over carefully, they may be troubled look them over carefully, they may be troubled
with lice. Disinfect the brooders before putting the chicks
therein. In fact it is advisabue to chicks and go through with this process at least
once a week. Sanitary conditions are absolutely necessary to retain the health and vigor of the
little ones.
Do not overcrowd your brooder. More chicks are lost in this way than from any other cause.
Better buy more brooders or keep. Iess chicks or you may lose all in the end.


Continued favorable reports from the Texas grain fields warrant this statement, according to
Secretary G. J. Gibbs of the Texas Grain Dealers'
association:
"The crop prospect continues good in Texas but some sections are reporting need of rain. It
is my opinion that with favorable weather during the remainder of this month we will produce about $15,000,000$ to $18,000,000$ bushels of wheat, and believe $50,000,000$ bushels of oats for our state
is not an improbable yield. The corn acreage was reduced on account of unfavorable weather
during the planting season and in many places the stand is not good. It is therefore more than probable that Texas will not have a good crop of corn. There will be a large amount of sorghum,
Kaffir corn and milo maize, and with a large Kaffir corn and milo maize, and with a large
amount of oats, which is almost sure, I feel that our state should have a prosperous year and that
we will not have to pay tribute to the northern we will not have to pay tribute to the northern
market for high-priced feedstuffs next fall and

## FRUIT PROSPECTS.

There are bright prospects for a large peach
and tomato crop around facksonville. While the and tomato crop around jacksonvile. While the
tomato crop had a bad start on account of the cold, backward spring, the recent warm showers and warm nights have greatly benefited the crop,
and it is now thought that shipping will begin dur-
ing the early days of June. Many peaches are being purchased for future delivery, and from all indications the
be highily satisfactory to the growers.

## HEAVY WOOL CLIP.

San Angelo will handle 4,000,000 pounds of the spring wool clip, according to statements by
the wool men. W ool is being received daily by the wool men. Wgol is being received daily by
both railroad transportation and wagon freighters.
there.

## RAILROADS EXPERIMENTING

Through the efforts of the agricultural depart
ment of the Texas \& Pacific and International
Great Northern railroads, land has been set
a Great Northern railroads, land has been set
apart in Grayson county for demonstration purposes and to experiment with sugar beets, frijole beans. The tests will be watched with interest as the soil in Grayson county is said to be pecu-
liarly adapted to the growing of the above prod-

## STATE FARM NOTES.

Cotton receipts at Galveston and Texas City
for the present season, up to two weeks ago Sat for the present season, up to two weeks ago Sat-
urday afternoon, were $3,996,554$ bales, more than urday afternoon, were $3,996,554$ bales, more than
$1,000,000$, or to be exact, $1,006,354$ bales ahead of 1,000,000, or
the same date last year, when $2,990,200$ had been handled.
Plainview expects to have fifty irrigation wells operation at the close of this growing season. The truck growers of McLennan county have organized.
A large shipment of Texas grown cabbage and
onions arrived at Liverpool in excellent condition. nions arrived at Liverpool in excellent condition. A nine-foot vein of good quality coal has been
discovered near Waco. It is proposed to erect large power plant on the land and generate large power plant on the land and genera
power for Waco and the surrounding country. The Wise County Truck Growers' association is expecting to break all previous records in the shipment of vegetables, berries and pears this spring. Prospects are fine for heavy grape shipments also.
Agricultural dealers of Denton have ordered six carloads of grain binders to handie the prospect-
ive crop.
Texas wonen from nine counties participated
three days' session of Girls' Tomato and Poultry club.
The biggest crop of fruit in the history of the plains country is in sight.
The commission merchants of Pittsburg, Pa.,
eceived a carload of Texas onions, shipped from aredo. The onions reached there in fine condi-
Hardeman has a watermelon patch of 620 acres.
Hardeman has a watermelon patch of 620 acres. ganized at Kingsville.
Abilene voted last year $\$ 150,000$ to build four
They are completed with $\$ 40,400$ left, hich will be expended on two-more roads. The bureau of statistics, department of agriculture, has made an estimate of the stock of
wheat in interior mills and elevators March I, wheat in interior mills and elevators March 1 ,
and reports 98.597 .000 bushels on hand. The and reports $98,597,000$ bushels on hand. The
Texas mills and elevators have $1,365,000$ bushels in stock. Minntesota has $10,240,000$ bushels in
mills and elevators,
mills and elevators.
East Texas fruit growers have been shipping
arload lots of strawberries to northern markets. Farmers in Cook county are experimenting with spineless cactus from California with
introducing this plant for cattle feed.
introducing this plant for cattle feed
Prospects for a bumper crop of
Wacospects section of the state have not been so bright
in ten years as at the present time.
Sixty miles of new roads, to cost $\$ 225,000$, are
nder contract in Bastrop county.
A company has been organized at Brownsville
E H. Perry of Plainview has put 275 acres E. H. Perry of Plainview has put 275 acres
under irrigation and will plant the tract to Mexican beans.
The April Crop Reporter, issued by the federal department of agriculture, gives the condition of Texas winter wheat better than that of any of the
southernistates, and eight points better than the average for the past ten years.
The average farm wages in the United States is $\$ 20.18$ per month, and in Texas $\$ 18.40$ per month. The truck growers of McLennan county have
organized and adopted plans to aid in marketing their crops.
Fifty-three cars of cabbage were shipped from Harlingen in one trainload last week; $\$ 30,000$ was realized by the growers on this shipmen

6HowioReduceTireExpense

 Texas Aulo-Tire \& Repair Works Brown county has eighty miles The Denton County Farmers of good roads, costing \$11 15,000. It Union is reported to have agreed | organize a good roads district. |
| :--- |



Utica Brass \& Machine Co.


Bob Carruthers to fatten 6,000
muttons for the spring market.
Sotol grows in Sotol grows in abundance on the
Carruthers ranch, and he says it For Best Results Ship Your Catle, Sheep and Hogs to


Live Stock Com. Co.
Ft. Worth, Texas Represented at All Markets.
$\qquad$ Wolves are an tot to be foreund in in
he section where sotol grows,
Bank, Insurance and Industrial

## STDCIKS



 An aestering adrectimers mention this papert) and the Howard creek country is
the only part of Texas where the
ranchmen do not need wolf-proof C. C. WENZEL

## Builder



|  <br> Dog Acts as Hired Man |
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Landon C. Moore, S. B

Magnolia Macaroni Co. Acherentixin

## J. W. McGuire Co.

FRENCH
DRY CLEANERS

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## ST.GEORGE HOTEL

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## Fashions and Household


the graduate.

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## CRISPNESS.

While visiting a friend in the South recently
crispness that characterized all her baking. She
told me that she learned this secret from a, chef
in
baking, air the ovor thoroughly by opening both
doors then, after the fire burns up brightly, close
the oven and in a few' minutes it will be read
beneficial effect on both the flavor and appear

## "Just Purity"

That accounts for all the goodness in King's Candy. If you will remember what King's box looks like-you will The box guarantees the contents. The contents guarantees King's Candy costs you only a little more than cheap candy. Made Fresh Every Day.
KingCandy Company

Mother-of-Pearl Buttons. | are being introduced on the most |
| :--- |
| White mother-of-pearl buttons |
| unlikely materials, especially on |
| the black and white velvets and |
| tive and |
| give a touch to the latest costumesen stufs that are so much. |
| that is rather chic. The buttons |
| ween this season. |

faultless dry cleaning, pressing and dyeing
Bon's Steam Dye House Co.
$\cdots$
Fort Worth Ice Cream Co.

| undering Silk Waists. | n |
| :---: | :---: |
| When the washing and ironing |  |
| of silk is so easily done, there in |  |
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| Warm raty three lows on thke |  |
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| having the right side uppermost.Squeze the soapy water mently |  |
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| it on the wrong side and repeatthe process of washing in thesecond bath of soapy water. |  |
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| (e) |  |
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|  | the bottom. Knives will there. |
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| while quite damp or it will have a rough, unfinished appearance Use a moderately hot iron and |  |
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| it and the right side of the silk. It has been found that a hot iron |  |
| yellows silk and gives a crimped |  |
|  | Natatorium |
| mings on the waist should always |  |
| be ironed on the wrong side, as lace is never supposed to have a |  |
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Practicar *alletin on Bee-
pended upon throughout the ho
N. E. Gambrell, Prop.

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Out-of-town basket work a spe-

