## Buchanan Record.




$\$ 10,000$ to be Given Away iu 1,000
Prizes．
What will be the population of the
Dominion of Canada on April 1st， The following are the officers on：
the Graham \＆Morton boats for the ： Dominion of Canada on April 1st
1901 ？Every subscriber to the Sil

| purtitan <br> tain，W．A．Boswel | Weekly Free Press who takes advan－ tage of our special trial offer will be |
| :---: | :---: |
| sth IIate，W．C．Phelps |  |
| ond Mate，Louis Osigma | Following is a full expl |
| Chief Engineer，W．F．Johnso | the g |
| Steward，Richard Samyer | Send in your guess when you send |
| Cook，Robert Garnett MII．WAUKEN | your subscription，and you will re－ ceive a certificate by return mail with |
| Captain．Jolin Stewart | your guess entered thereon． |
| First Mate，A．J．Simuns | flust prize \＄0，000． |
| Second Mate Nelsso Neilsol | we wil |
| Assisstant Mate，Chas．Morris | Twice－a－Week Free P |
| Chief Engineer，C．L．Barron | four monthe，and you can have |
| Seco |  |
| Steward，Edward Nolen | The $F^{\text {r }}$ |
| Clierk，George Monger | tional g |
| Sec．Clerk，Andrew Crawford J | club of two tral subscriptions at 30c |
| Chef，Joseph Mitchell | one guess will be given to |
| Captain，W．J． |  |
| First Mate，Louis Busby | Prizes to be awarded as $f$ |
| Chief Engineer，Wm．J．Mccl | To the one making the nearest |
| Second Eng．Wm．J．McOlure Jr． | guess $\quad \$ 5,000$ |
| Steward，Ohas．Prior | To the 2nd $\quad 2,000$ |
| Chief Chef，Wm． | To the 3rd |
| Clerk，Wm．J．Hancock |  |
| Second Clerk，John Clase | To the fth |
|  | To the next 12 nearest correct gusses |
| tain，Geo．W．Par | ach，amounting to 120 |
| First Mate， | To tire next 42 nearest |
| Second Mate， | nnting to |
| Chief Eng．Barney Hopkies | To the next 100 nearest correct guesses |
| Ass＇t Eng | each，amounting to 300 |
| Steward， C | To the nexts s80 uearest correct |
| Cook，B．Woodruff | mounting to ${ }^{760}$ |
| Clerk，tugandy | To the next 460 nearest correct ginsses $\$ 1$  <br> each，amounting to 460 |
| Captain，Tom Mintern | Total 1，000 prizes amounting to \＄10，000 |
| Engineer，Jas，Mc An | The Press Publishing Association |
| 此 | has deposited $\$ 10,000$ in the Central Savings Bank，Detroit，Mich，for the |
| \＄10．00 Reward． | express purpose of paying these prizes |
| informing competeut doctor | In case of a tie，or that two or more |
| tion in country．Wa | estimators are equally |
| dern house．Address， |  |
| ＂Doctor＂care Buchanam Recom |  |
| Elson，opposite Hutel，has as fine a line of pattern hats as ever shown in town anc will save gou money in | $\begin{gathered} \text { Farm for Sale } \\ \text { rm of } 160 \text { acres in Cleon } \end{gathered}$ |
| ing． <br> $* * *$ a Spring tonic． | ship，Manstee County，Michigan， will be sold at Administrator＇s |
| A Spriut Lonic．${ }_{\text {a }}$ | sale March 30，1901，consisting of |
| verybody needs a conic in the | about 140 acres cleared，practically free of stumps， 20 acres of timber， |
| a tonic．It is housecleaning time for | free of stumps， 20 acres of timber， |
| jour body．Lichty＇s Celery Ner | barn，large straw barn stables under－ |
| Compound will tone up your nerv | neath，corr－crib and wagon－shed co |
| blood，kidneys and liver，and fill you | bined，good water，g（od apple or－ |
| F．Runner． | chard，$\frac{9}{4}$ mile from postoffice，R．R． station，stores，churches，new school |
| ： | house，saw mill． 4 railroads within |
| Sale Bills | 5 miles．Farm level．For further |
| If you are＇going to have a sale， | particulars write to <br> J．H．Read，Admr．， |
| e bills，printed in first class shape． | Lansing， |
| are sure to get the right kind at |  |
|  | ＊ |
| will get a notice of the sale in | Passpartont Board． |
| ded free of charge in the Recon | We have just added a fine stock of |
| the sale occurs．Our term | Passepartout Board，and Bindings in |
| t ，and our work will be sat | 30 |
|  |  |
| Le |  |


ficient in prote in and in fat．
While the
While the money ralue of the broa
casted corn is not very different from
the value of that the value of that grown on the othe
plat，this estinate does not take int plat，this estanate does not take in
account the a ；estibility of the variou products．
The var：ety of corn which shall b by local conditions．In central Ne York the Prifie of the North gives very
satisfactory re：ults．Whatever variety satisfactory yes：ults．Whatever variety
is selected it s：ould be one which shal approach in：ati：rity before frost．The
man who pluits so thickly that man who plainis so thickly that he cut
it with the reaper is surely failing t


Mtchell Grass．
Mitchell grass is very highly regard
ed as a bay and forage plant on the
ed as a hay and forage plant on the
interior plains of Australia．It is very interior plains of Australia．It is ver
productive，and the strong root syster
enables it to withstand long perio oo drys it to weather，so it is is thought perion that
oshould be of value in our south west should be of value in our south westerr
states．Seed from Australia tried or states．Seed from Australia tried or
the Potomae flats germinated readily and a fair stand was obtained．By the
midde of July the strong，leafy plants middle of July the strong，leafy plant
were 12 to 15 inches high，and the firs heads were appearing．Two weelk
later found the height increased to
to 21 feet and some of the seed was

was were exceed ingly dry and hot months．


Double smio．
takes 80 pieces of 2 by 6,12 feet long and 802 by 6， 18 feet long，a totali of
2，400 feet of Norway bill stuff，to build one of these silos．It also takes ailout
100 pounds of No． 9 steel wire，wkich Will make about 50 hoops，put on in in
groups：shingled roof；the silos painted three coats on outside and a coat of
raw linseed oil on the inside．－Ohi raw linseed oil on the inside．－Ohio
Farmer．

[^0]
inning the treatmestitited delay ineases in be－dif－
culty．It is appítently essential that ficulty．It is appirently essential that
first applicationio of fungicide for the
black rot befonade Witie the vines are
dormant ayf that these be very thor－ dormant auf that these be very thor－
ough，followed by the applications just
before fossoming．just after the fruit has sef and a still later application．
Omission of the spraying just before he blossoms open may lead to ragged
dusters from dropping of the small


Dangerous Kidney Diseases． Celery King has cured me of kidney dis
ease．The doctor feared Bright＇s disense，and
tried many remedies that gave me no help Celery King has made me as well as ever in
nny life，and it seems almost as though
irace had been wrougt in nie O．Reichara，Springtown，Pa． Celery King cures Constipation and
Stomiach，Liver and Kidney diseass．


## W゙ひall Paper．

## BRIGHT AND NEW STOCK．

especially of borders before buying
W．F．RUNNER．

High Grade Groceries THAT＇S THE KIND I KEEP：

SEND ME YOUR ORDER．
C．D．EXEINTI

##  <br> Having purchased the Meat Market formerl <br> FRESH AND SALT MEATS

H．H．beck prop．of CITY MARKET


## RICHARDS \& EMERSON <br> are selling

Reliable Furniture Carpets and Mattings Go Carts and Carriages
aLL gOods Just as represented


Buchanan Record.
in the city with his summer line, com prising the la
fine footwear.
Miss Lottie Thayer arrived in tow
Saturday, having graduated frôn Ypsilanti College, she will meet he
people at Denver ina few weeks. Mrs. S. Morris and danghter spen S. W. Morris, Miss Lula returning ing the rest of the week and East Miss Mabel Hathaway has accepte a position in the First wase.
at this place. Mrs. Geo. Cassler who has
naving a sweet time with the mump Dr. Curtis gave a card party to number of his friends in honor of hit
sister Mrs. Z. L. Bald win, last eve. The W. A. V. C. met with Mr
Chas. Fuller last evening and had most delightful time. The clu meets with Mrs. Dr. Peck next week Miss Mable Currier who has bee small pox being so bad that th school had to be closed at Even work on Monday.
You can buy the Lowell Carpet Boardman. You know they are

$$
\begin{aligned}
& \text { Entire Township Ticket Except } \\
& \text { Justice of Piece, Elected. }
\end{aligned}
$$

That Buchanan is earnestly repu lican was evidenced by the result
Monday's election, and once mo Buchanan sends a republican superv sor to look after her interests. It w
a right royal battle, and both sid were thoroughly in earnest an lively day was spent on Monday,
the candidates and their friends.
vote was as follows:
Justioe of Supreme Court

|  | Vote | Maj |
| :---: | :---: | :---: |
| Montgomery, rep. | 324 | 142 |
| Adsit, dem. | 182 |  |
| ReGents of University |  |  |


| Regents of University |  |  |
| :---: | :---: | :---: |
| Fletcher, rep. | 323 | 144 |
| Carey, rep. | 322 | 143 |
| Goldswith, dem. | 179 |  |
| Shields, dem | 178 |  |

Mr. Florsheim represènting the wel
known house of Florsiieim Co. wa
 the Misses McC
other points.
Frank and Alozia Richardson of
Niles, are spending lheir vacation Niles, are spending their vacation
with their grandparents, Mr. and
Mrs. Geo. Richardson.
Mr. "Jack" Childs, son of Post
master and Mrs. J. A. Childs o Evanston, Ill, is spending a week in
town visiting friends. $\mathrm{Mr}, \mathrm{F} . \mathrm{S}$. Whitman arrived hom
last Thursday from New Mexico, and Last hursday from New Mexico, and
will make a visit of a few weeks be-
fore retuining to that section. fore returning to that section.
Mr H. A. \#Hathaway of the firm of Wenger \& Hathaway left Monday fo a week's stay at paw Paw in the in-
terests of McCormick agricultrial im-
plemenis.
W. L. He Hkie

## 

Nelson C. Rice (rep.) was re-electe mayor by nessly 500 majority, and al the repubhican alderman and three
republican supervisors were clected. The fight was on alderman and cen tered on the Bean and anti-Bean peo
ple. The anti-Bean element won everything. The proposition to bond viaduct was carried by a large mawill be constructed.

## Benton Ĥarbor Helmuth A.Foeltzer

ed mayor over Wm.C.Hicks(socialist by 629 majority. The main fight was being elected by 100 majority. All sors were elected.

## * ${ }^{*}$ *

The Niles city election, while one of the quipietest ever held in Niles, resulted in, a few surprises for the
knowing ones. A republican adminknowing ones. A republican admin-
istration was changed for a democra-
tic one. The council remains a tie while the democratic mayor, Dr. Z.L



ONLY 10 dAYS MORE FOR YOUR CHOMCE A large lot or $\$ 1.00$ Cuff Buttons, latest patterns A lot of $\$ 1.00, \$ 2.00$ and $\$ 3$ Broaches, while they last at $\$ \$ 75, \$ 1.50$ and $\$ 2.25$ Gents' Chains, good values at $\$ 3.50$ for
Long Chains, good values at $\$ 3, \% \pm$ and $\$ 5$ for
$\$ 2.25, \$ 3.00$ and $\$ 3.75$ Twenty year Gold filled Case with Elgin movement
worth $\$ 15$ for $\$ 11.00$

1. JONES Co. BUCHANAN MICHIGAN



Come in and see the only absolutely new
We pay your fare with $\$ 10.00$ in trade
Jines inils i. puin BENTON HARBOR

E.S. ROE IS CLOSING OUT
$\qquad$ SWEAT PADS
at cut prices

## our <br> SPRING OFFERINGS <br> OUR STOCK OF SPRING \& SUMAMER G000S

ith us that

der and more carefully selected lot of goods

For the Suit or Skint we offer you the newest fabriesWhipcords, Broadcloth in H

50c 59c 75c 90c \$1.00 \$1.25
. Of the stylish thin Cfinging Materials we have the Nunsveiling in all the evening shades and black

Perhaps you are anticipating a Taffea Skirt or a Peau de Loie We want to talk with yo
you from 25 to 50 cents per rard.

We have the ousrauteed Taffeta
Among our Waist Silk are so

For the Black Suit we can show you a niee line of Camelshair, Cheviots, Serges, Brilliantines, Pequins, Repps, Poplins, Soliels, etc.

Your Easter Gloves should come from Boardman's.
Why? Because They are made on honor and we hare them in all shades Mode, Tan, Brown, Gray, Red, Black and White

## 30. L. BOARDMAN

 carpers am curtatins

GROCERIES施 the stepping-stones HEALTH health is the foundation to strevget



## Why Not

Keep your whole family healthy It is the staft of life. Our ambition

## Gottage Bakery bertha roe.

## Beduixg Plants

riverside greenhouse

LEE BROS, \& CO.
BANEERS


Buchanan Record.
THURSDAT, APR. 41901


Did you get fooled on Monday? Bicy
season.
Mr. Geo. Huff moved into the Cox
house on 4th St. this week
Mr. H. H. Beck is moving into the
Rennie house on Main St. this week.
Mr. Frank Merson took two car
loads of stock to Chicago Tuesday evening.
Mrs. Alice Earl, who has beén very sick for some time past, is rapidly oring
The Happy Go Lucky Club met
with Mrs. Frank Steiner, Thursday evening.
The Ropal Neighbors will entertain Niles and Dowag:ac Camps at their meeting.
The weather so far this week has given evidence of being the first
days of spring.
Mr. S. C. Cook is busily engaged in getting his Clear Lake Resort in shape有
Mr. H. F. Kingery met with a painful. accident last Thursday night
while attempting to light a flash light while attempting to light a flash light
powder, resulting in several fingers of powder, resulting in several fingers of
his right hand being severely burned by the powder.
$\qquad$ J. C. BEHM'S Raketcorste


| A number of our store windows are |
| ---: | :--- |
| especially appropriate for Easter sea- |

son and attract much attention of

passers by. | E. S. Roe is closing out his stock of |
| :---: |
| Horse Collars, and Sweat Pads at cut |
| prices, you may find a bargain if you |
| call at his store. |
| The W. O. T. U. meet with Mrs. |

Niles District Ministerial meeting
will be held at the Methodist chut will be held at the Methodist church
in this city, on Tuesday and Wednesday, April 30 and May 1, 1901. The 5:20 train Tuesdav afternoon
was heavily loaded, a large number was heavily loaded, a large number
on board being dentists bound for
the convention at Battle Cret. the convention at Battle Creek. Linemen frou the Bell Telephone
Company have beeu busily engaged
this week in setting poles, and placing a telephone in the residence
 Adrian, his week, and took charg
of Hotel Lee yesterday. The Record of Hotel Lee yesterday. The Recond
extends to Mr Lawson its best wishes for a prosperous venture. Mr . Wm. Po vers has removed hi
work bench to work bench to the shoe store of Car
mer and Carmer, where all persons having repair work in his line, can Mr. Lyman Boardman has a large
amount of space in this issue calling amount of space in this issue calling
attention to some especially desirable goods which he has placed in sto
 for Advertisers" conducted by Mr Chas. Austin Bates of New York,
grows more interesting each week. grows more interesting each1 week
This week's article is especially time


Although it is a little early yet for agricultural implements Messrs Wen ger \& Hathaway are hustling out
quite a number of their machines, qeveral new binders being delivered
last week.

amount of space in this issue, and ha Mr. Morris has just put in a stock o the celebrated Smith \& Wallace Co's
shoes formen and boys, and is anx shoes for men and boys, and
ious to have you try a pair.
 are building up a large trade in this article.
While workmen were cutting trees on Mr. M. S. Meads land east of town Monday, a tree fell across the M. C.
telegraph wires breaking them down in bad shape. Line repairers from
Niles worked all the afternoon to get them in working order.
The annual meeting of the Large Hope church was held on Saturday
evening. Two trustees and evening. Two trustees and a clerk
were elected. Elder Paton was en were elected. Elder Paton was en-
gaged for the ensuing year. The
Ladies Auxilary was organized and will meet every Thursday afternoon
The friends of Miss Myrtle Mute ler well be pleased to learn, that the operation performed at Ann Arbor, on Tuesday, for the removal of gland
of the neck, was a very successfur one, and although the young lady suffers considerable pain, yet it
thought that the operation will result in a complete cure.

## WINTER FOOT COMFORT

A fine line of Ladies' and Children's Jersey Leggings.

## A Combination Legging and Arctic for Ladies- Girls and Boys.

A large assortment of Ladies' Warm Footwear upon which we are making Special Inducements.

CARMER \& CARMER, BUCHANAN, MICH 32 FRONT STREET

## HONAE

## DEPARTANENX

Gen. Grant's Courtesy Century a true account of "A Woman's Experience During the Siege tract from "a letter which give graphic history of the rest of our ex
perience with General Grant and his army, and has the advantage George came in to-day and such
description as he gave of the destruc tion and desolation in the country: Oak land, where our things were, wa two rooms with my own furniture, ace curtains, and mantel and toilet raments. I left a pantry stoclse edar chest full of handsome clothing, the rector's fine library packed iv
boxes, and even my little trank full of sewing materials, and my writing Tesk and work table just as they stood
The soldiers cut the carpets into strips with their penknives, and tore the lace curtains from the windows with
their baynets. Vuluable books were to the winds. Our clothing was pilof flour and molasses poured over it. baynots and called it a frebel stew They tore my bonnets up, and tied the e far in their wanton mischeif as kill a sheep in the parlor and cut never believed the stories we heard of
uch things, looked upon them newspaper items gotten up for e many cases.
iev with a much discussion it was decided that send us out with our soldiers prisoners of war to New Orleans. We the heat of the July sun, after thei underground life and scant fare and So Jennie and I called upon General Grant, who received us with every would secure us transpotation through his lines. He behaved
hroughout our interview like a brave soldier and kindly gentleman. He aid the people all he could, admired the heroism and self-sacrifice of our army as much as I could ask, and "a they cannot be conquered"
ere his very words. the man who for eighteen month ad been bothering us with bombs al of Cy home we passed a wagon hen we bowed, as we always do their cheers. Our whole army is devoted, every man of it, tn the ladies
bo shared with them the trials and


in a saucepan over the fire; cover wit
boiling water; add half tablespoon ful of salt, and boil until tender ful of butter or olive oil over the fire add two tablespoonfuls of finely
chopped onions, one-ha!f clove o bruised garlic, cook five minutes
without browning; then add one-hal cupful of inely-chopped mushrooms,
stir and cook five minutes longer add one tablespoonful of tiour, one
$\qquad$
$\qquad$
$\qquad$



tablespoonfuls tapioca for two hour in cold water, drain off the water,
put the tapico in a pudding-dish, and pour over one quart of milk. Mix
three well-beater eggs with four table
spoonfuls of sugar, one teaspoonful
of vanilla extract, add this to the
tapioca; mix all together, pput half

 districts in this State, and was bothered with malaria for years, at times so I could not work, and was always very conistipated as well. For years I had malaria so bad in the spring, when engaged in plowing. that I could do nothing but shake. I must have taken about a barre any permanent benefit Last fall, in peach time, I had a most serious any permanent benefit. Last fall, in peach time, I had a most serioust friend's advice, and the first box made me all right and I have never oeen without them since. I take one Tabule each morning and night and sometimes when 1 feel more than usually exhausted 1 take three in a day. They have kept my stomach sweet, my bowels regular and
have not had the least touch of malaria nor splitting headache since l commenced using them. I know also that I sleep better and wake up more refreshed than formerly. I don't know how many complaints Ripans Tabules will help, but I do know they will cure any one in the condition I was and I would not be without them at any price. honestly consider them the cheapest-priced medicine in the world, as I am twenty-seven years of age and have worked hard all-my life, the same as most farmers, hoth early and late and in all kinds of weather and ! have never enjoyed such good health as I have since last fall; in fact, my neighbors have all remarked my improved condition and have said, "Say, John, what are yo: doing to look so healthy ?


THE PEPPiE'S MGTOMAL FMMLY NEWSPRPER.


Send allorders to THE RECORD, Buchanan, Michigan

## BREVITY IS THE SOUL OF WIT.

SAPOLIO


## Sit up in bed.

When it becomes necessary to sit up in bed to get your breath; when the least exertion such as
walking, sweeping, singing, walking, sweeping, singing,
talking or going up and down stairs, causes shortness of
breath, futtering or palpitation; breath, futtering or palpitation;
then it is time to do something then it is time to do something
to brace up and strengthen to brace up and strengthen
your failing heart. Take Dr. Miles' Heart Cure. It is best of all.




## Dr. Miles' Heart Cure

stimulates the digestion, inmakes weak hearts strong. Sold by druggists on guarantee. and

Rev. J. F. Bartmess will preach a Rev. J. F. Bartmess win preach at
the Evangelical church next Sunday morning in the absence of J. R. Neirgarth who is atten
Detroit this week.

## Presbyterian

Special Easter services at the Presyterian church Sunday morning. Preaching in the
pastor Rev. Marvin.

## METHODIST

Easter will be observed at the M E. church both morning and evening In the morning sermon by the pastor
and special nusic. In the evening and $7: 30$ a program will be rendered by the Sunday school. Epworth League at 6:15. $\overline{\text { Larger Hope. }}$ Preaching at the Larger Hope Elder J. H. Paton.

Christian Church services will be special music and sermon on "The
Empty Tomb" for morning and an c. E. at $4: 45$

Letter from Miss Grace Godfre ho is having a delightful visit a Dakin, near Riverside. Cal. Shows ery great contrast between the
limate of southern California and Michigan during the past two months, while we were enjoying (?) zero
weather and blizzards, she was climbng mountains after wild flowers, and warm to stay in the house." Straw-
berries were ripe in March and fresh egetables all the year. Mr. and Mrs. Dakin are very pleasantly situated with a house in town, and a fine
money-making orange grove one-half

## OBITUARY

Dr. William H. Smitit Dr. William H. Smith died Sunday al and residence on Broadway, Niles, he cause of his death being Bright's ealth for the past year and a half, for the past year unable to attend to had been at the point of death.
 Sarah Page.
 Mr. W. E. Wilkinson of Seneca,
Kansas, visited his mother, Mrs. Miss Ray Rogan was home fron Miss Eliza Kimmel is sufferer fron Rev. and Mrs. Milo Smith celebrat dheir Wooden Wedding last sat

Millinery Openings The various millinery opeuings
take place this week, and feminin Buchanan will have a busy fime. A the Paris, the dates are Thursday, Friday and Saturday, at Elson's the
dates are Friday and Saturday, and at the new parlors of Mesdames Gardday and Saturday. Some fine effect are promised and the Record advises
you all to be on hand and see these you all to be on hand and see these
beautiful creations, for yourself.

## council of the village of Buchana

 held April 2, 1901, the president an Charles F. Pears, vice president.Chas. F. Pears, chairman.
Henry Kingery.
William Mouro.
street comartutee
Henry F. Kingery, chairman. Jay Glover.
Dr. Orville Curtis.

## John Camp.

William Monro, chairman.
Elmer E. Remington.
Heury F. Kingery.
Collector of
Charles F. Pears.
Benj. D. Harper, assessor. Dr. Orville Curtis, chairman. Elmer E. Remington.
Jay Glover.
With all of
With all of the power of a regula
emametry comartiee
George B. Richards, chairman. Jay Glover.
Henry F. Kingery.
Frank Barnes, Chief of Fire Dept
Frank Barnes.
O. P. Woodwort
Frank Thomas.

$\qquad$ business portion was over a very nuc of Evauston, Ill., rendered Child of delıgitful cornet solos, Mrs. Sig Desenberg and Mrs. D. H. Bowe sang pleasing solos. A hunting game
was announced and every one took part, each receiving a prize for thei
work. Light refreshments

## IRRIGATION IN WYOMING.

## Hay Crops rrigated Early-Culti ed Ones Not Tinl June. With annual crops planted in the spring in Wyoming the first irriga-

 tionafter
plant
by ir planted in the fall receives no water
by irrigation till late the next sping
when ent When enough is appe the next in spring
small irrigations to mature the or $t$ two Hay crops may be irrigated as early as April or May; but, as a rule, irriga-
tion of cultivated crops does not begin till June or in some cases till as
late as July. The last irrigation usually occurs about a $\begin{aligned} & \text { month before the } \\ & \text { time of harvest. } \\ & \text { Water stimulates }\end{aligned}$
gre growth, and it is found necessary to
stop irrigating sufficiently early to al low the plants to properly mature be fore the time of frost.
Grains are usually Grains are usually irrigated the last
time when beginning to head out. This time when beginning to head out. This
leaves sufficient moisture in the soi to insure plump grain and gives ample
time for it to reach matur Fhere rusts prevait in the grain it
hims been found that keeping the soil i. e after thants reach full growth ulates the development of such fungous diseases, but where water is kept a way
after the time of heading little difrusts.
It appears that more water is supplied atathe first irrigation than is later
applications. This is probably due to the fact that the land is more porous,
as it is nearer the time when it was plowed, and also that the soil has be-
come more effectually dried out than and thoroughly soaked at the time
the first and thoroughly soa
the first irrigation.


OF A MILK PRODUCER.
Methods of Freeding Pursued wy Va-
rious Authorities-Value of Skim-

| Discussing the subject of calf raising at the recent session of the Ohio Dairymen's association, L. S. McClelland, dealing with the calf from the standpoint of a cheese factory patron, according to The National Stockman, said that he prefers spring calves and if they are not strong and all right thinks the owner would make money by giving them away rather than by trying to raise them. The dam and calf should be kept quiet for awhile after birth. Keep the calf on cow for two weeks, meantime teaching it to eat a little grain. At 2 weeks substitute whey for part of ration and gradually increase until at 4 weeks leave off milk. |
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|  |  |

## dairy cow must be starved as a calf. He had seen some that looked as if they had been raised on fresh air and God's

In the discussion following Mr. Rice
stated that most of the calves stated that most of the calves raised
on whey by his patrons were Short-
horms which ultimately went to feed-
ers, who now prefer whey raised calves. Pasteurized whey is superior
to the old faslioned article. They feed to the old fashioned article. They fee
slorts and a little oilmeal in connee
tion with whey. Some use oats un ground. He likes Sreme useal better than
anything he has tried; finds the calve eager for pasteurized whey, Whereas
had to force them to eat unpasteurized;
heats to 155 or 160 degrues heats to 155 or 160 degrees and doesn't
cool it.
John Fippin of Gallow'ay discussed
the same subject from the standpoint the same subject from the standpoint
of a milk producer. Most mill sellers think it too expensive to raise calves.
He thinks they are right if the calves
are not sired by a good dairg bred bull.
Give away the weallings-raise good Ges aray the weaklings-raise goo
ones or none. Give good shelter and lot to run in. He prefers to have them
come Jan. 1 to March 1 then they go
to grass in good shape. Leave cow and calf together till milk becomes good,
four or five days, then put cow in stall four or five days, then put cow in stall
and calf in crate and set behind her a
roomy crate wherein the calf can lie down.
Give calf about two quarts of milk
at a feed, teaching it to drink, which is easily done in crate, and after calf
fearns to drink make talf ration skimmilk, teaching it to eat grain, , and in
five days give all stimmill. Feed milk at 90 degrees. Feed in stanchions
after this, keeping calves in stanclions till mouths are dry after feeding. It
calves are to calves are to be milk producers, don
let them get too fat. Give skimmilk
and grain till 6 months old. Can rais a better dairy calf this way than on
whole mill t. $\begin{aligned} & \text { Who } \\ & \text { swee } \\ & \text { Mr }\end{aligned}$ Mr. Bailey feeds calves in stalls,
shutting them in while feeding, which
prevents some hoging the whole mess.
He has narrow stalls, arranged so he
can shut in a number of calves by a
lever and as easily release them.
Calles a week old will learn to eat hay
if kept with older calves. Flaxseed
jelly, a handful in each feed, he has
found valuable for calves.
President Stratton thought calves President Stratton thought calve
should be developed for the purpose should be developed for the purpose
Which they are to serve at maturity
Develop a calf into a dairy animal by Develop a cale into a dairy aniual by
training it to eat liberally of protein foods, a roiding a atness.
Professor Hunt disuss Professor Hunt discussed this theory
stating that it was theory onls a reasonable one, but exact data are lacking. Calves are often asked to ea
too much skimmilk; must have rough too much skimmilk; must have rough ness as whll as mive his calves 8 to 10
Mr. Jonson gives
pounds skimmik at a feed, all the bay,
straw. straw, silage and bran they want, and
raises good dairy animals. He keeps raises good dairy animals. He keeps
Holsteins and supplies hotels, clubs and public institutions.
Mr. Derol advocates bran and had records to back his assertions. Calves
(Jerseys) gained 50 to 57 pounds in 30 days, beginning at 5 weeks old. Costs
$\$ 25$ to $\$ 30$ to raise a yearling, but \$heaper to raise them well than to
chave somebody else to do so at $\$ 12$ to
hat \$14. Calves raised by others were
stunted and timid, not in the habit of
eating liberal quantities. eating liberal quantities. Keeps them
in stable all the time till a year old
and prefers not to pasture. Some creamery men reported that their pacreamery men reported that their pa-
trons preferred pasteurized skimmilk;
others the reverse. Don't feed sour sweet all the time.

## One Thing and Another. The practice of raking over the beet lot or working the field witl pot or working the field with weede

 or instrument following planting isstrongly commended. When there are crusting and packing of the ground such loosening is essential.
Western farmers are now talking good deal in behalf of beardless barley is made largely upon barley or barley
meal.
To secure a full stand of sugar beets at least 20 pounds of seed to the acre
should be planted, says Illinois author-

## There is no more profitable way of

 utilizing a Eansas corn crop whethereast or west than by putting it iuto
silo, sars a dairyman
Soy beans can be raised anywhere
corn will grow and ought to be raised wherever a hishly concentrated meal
is needed. Where alfalfa is albundant
When is needed. Where alialia is abundant
there is less need for' soy homis.


[^0]:    Slow Cooling of Beeswax．
    The most of the wax in this country
    is of a bright yellow if properly cleanss
    ed，but when rapidy cooled，as is like
    ly to be the case with the inexperi－
    －enced，it has mixed in it more or less
    foreign particles that give it a dull or
    dirty color．If allowed a long time in
    cooling，it will be kept a long time in
    that liquid state suitable for the set
    tling of the toreign particles，and thus
    the dirty looking wax will become
    bright yellow says American Bee

