

The Only Weekly Agricultural, Horticultural, and Live Stock Journal in the State.
DETROIT, MICH., SATURDAY, JULY 20, 1912.


## MORE ALFALFA NEEDED ON MICHIGAN FARMS.

NOTWITHSTANDING the fact that grown clover in the regular crop rota- nutrive ration bee
volumes have been written and tion to good purpose, and in combination proximates the nutritive ratio requirel forming bacteria. But with alfalfa th published on the subject of alfalfa with other grasses it has provided them by the dairy cow and young, growing process of appropriating nitrogen from culture, while institute lecturers have with a liberal amount of roughage, so animals, but it is such a bulky feed that the air in the soil and storing it up in
 manner by the progressive farmers of fa. Just a little figuring should convince fed in connection with the other home- roots of the plants penetrate the soil hundreds of communities in the state, every Michigan Farmer reader that there grown feeds the nutritive ratio becomes to a much greater depth than do the the great mass of our farmers have fail- is a profitable place for the alfalfa crop too wide for best results without the ad- roots of clover, bringing up the mineral ed to become interested enough to try it upon his farm. First, it will, on an av- dition of supplementary reeds to balance out, even on a small scale, on their own erage, produce fully twice as much for- the ration. The same tables show that farms or, trying it in a haphazard way, age per acre as will clover. Many in- alfalfa hay contains 11 per cent of dihave failed and abandoned further at tempts to grow it. Owing to the percent-
age of failures with alfalfa in Michigan, too many farmers have jumped at the conclusion that it is not adapted
conditions of soil or climate, leaving it to their more progressive contemporaries ture, and incidentally to first reap the who gets this greatest combination of forage producer and soil improver established on his farm. Quite generally, too, it will be found that the farmer who get a seeding of clover on his land from similar causes. Indeed, it is doubtful if the pereentage of failures with alfalfa have been measurably greater, where intelligent and painstaking efforts have percentage of clover failures farms in the same fallures on the same has been the standby as a forage producing and soil improving legume used in the regular crop rotation for many in maintaining a profitable agriculture in maintaining a prontable become universally recognized, and failed in getting stands of clover on their farms have persevered year after year in sowing it, too often, it is true, without making an intelligent effort to remedy the eonditions which have contributed to the frequent faflures, yet with a commendable tenacity which, if applied to the problem of alfalfa culture, would certainly bring about its early and successful solution. Indeed, the problems sur rounding the successful culture of al-
falfa are almost identical with the problem of eliminating the uncertainty of clover seedings, and practical study of and experimenta colve the clover ara farmer to whom its early solution is a matter of vital importance. Then there is another large class of farmers, whose soil is in a condition to suceced with alfalfa easily and who have
not found the problem of clover seedings a serious one, who have not tried alfalfa needed it, or that it would add to the


Cutting Tho Ton Alfalfa per Acre on June 10 J. S. Bartlett, Kalamazoo right stand of alfalfa in a single season right the other home-grown feeds. If fed with
here in Michigan. Not only will it pro- corn silage in the proportion of 20 lbs duce moren than will will pro- corn slage in the proportion of silase duce more hay than will clover under of alfalfa hay to 40 lbs of corn silage,
similar conditions, but it will produce which would provide the necessary hay very much superior will produce which would patter and enutrients for in of very much superior feeding value amount of dry matter and enutrients for feeds. combination with other home-grown a dairy cow of average production, the ration, our dairy farmers, particularly, 1.5.7, which would exactly conform to the have appreciated the economy in feeorng Wolff standard. This would still be a a ration containing sufficient protein to bulky ration, a defect which could be mals in this direction grains, with a minimum als in this drection and thus prevenion a minimum tion in the ration and at the same time a portion of the roughage in the ration promote a maximum production. In or- thus giving a maximum of results at a der to accomplish this it has been necessary to buy nitrogenous concentrates in considerable quantities to feed with the $\qquad$
$\qquad$
$\qquad$ irely, avoided by growing alfalfa hay upon the farm. Acording to Henry's
plant practically independent of moisture growth. When this foil is season of its up for a crop it will produce as broken better crops as when in its state of vir gin fertility. The seeding nee seeding tablished it may be left indefinitely or best suits the rular rotation of crops as But it is not only as a hay crop that
alfalfa is valuable. As a green forage for hogs it has no equal. Last year, afmoved from seven acres of alfalfa on the shotes that were estimated to weigh about 125 lbs . were pastured for about five weeks in the field. Ordinarily these
ples would consume about eight buakels of car colil per day. While brazilig on the alfalia if more than a bushel were
thrown before them night and morning they would leave it. Thus the alfalfa pasture saved six bushels of corn per day direct from the pasture and were solin over 200 lbs . in weight. This same field
ling this season and has made a splenwhile the value of alfalfa as a pasture crop for hogs is well known and generable impression that it is not a suittandpoin from the stand, it is true that alfalfa sho the be pastured, but when it is to be broken up the following season it may be very send of Gration pasture L. Town stand of alfalia on eight acres which he the first crop was again cut eason. 144 lambs the balance of the the enter, the hay cut from the field stock anter the lambs were finished. . Whe the "why" of alfalfa culIVidual problem for
sowing that grain in the spring Maniy other successful stands of alfalfa on the igan have been secured by the same method. In fact, in the community where cated there has not been a single failure with this method of seeding alfalfa since ago, which is more than can be said of clover. In many sections of the state
conditions are similarly favorable, and neither an application of lime nor incess with the crop. In other sections cess with the crop. In other seetions
lime is needed, as is the case on the
writer's farm, while in very many localities inoculation is necessary for early
eral application of ground limestone and a suitable preparation of the soil for th
crop, it has been pretty clearly demon
strated that alfalfa will succeed any strated that alfalfa will succeed any-
where in Michigan, and the Michigan where in Michigan, and the Michigan it is not living up to his business oppor-
tunities. It is well worth while to find
$\qquad$ to its growth, and supply the deficiency. soil corrective in many cases. The writ-
er recentiy saw a striking example of the effect and lasting benefit of lime so far
as alfalfa is concerned, on the farm of
H. J. DeGarmo, of Oakland county. M.. which was sown last year and part two
years ago. Lime was applied to the por-
tion of the field sown last year, but
neither the soil or the seed was inoculated. The portion sown two years ago
was neither limed nor inoculated. On stand, but only scattering inoculation, as
denoted by the color of the plants. That
$\qquad$ irregular strip where the ashes had been
appoliod there was a very heary growt of of
airalaca, with apparenty perfeot inocula

 soth had been a suitabe home for the
Boeteria peeuliar to the alfata plant
which was anparentiy presest in the soll Which was apparently present in the soil
where .t had been waiting oro tis host
for years. This would seem to tindicate that the effect of lime is more lasting
than has been generally supposed an
should be an added encouragement Should be an added encouragement for
its use in preparing the sill for alfaïa
where it is needed for this purpose. It land which wil
some e future date as soon as as pratificabele,
instead of waiting until the seeding is done.
As to when to sow and whether to uss
a nurse orop or sow alone there are many and connicting opinions. It is the
writer's opinion that the seeding can be be
done as successfully in a spring crop of

demonstrated that it will seed liberally
in Michigan and will yield sufficienty
well to make the seed a proftabie crop.Being a subseriber of your valuabi

which was eompletely sodded over with
it, and I made up my mind I would summer fallow it and see if I could get rid makes a slant on which to lay bundles of it, so when I got the piece plowed I later
the bundle on top, that is so the top of
the bundle would project beyond the bot-the bundle would project beyond the bot-
(Thisshape of the butt is caused by the bun-
Hles standing in shoeks in the field andwhen the bundles have not been shockedcaused it by jarring the bundle if nec-essary). The second or inner tier shouldbe commenced with the butts of eachbundle laid well over the band of theouter bundles. The length of the straw
and the condition of the grain when cutwill gevern this placing grain when cutier govern this placing of the first innerace to the objeet is to give an even suc-firmly tie each bumale in place. The butt

$\qquad$und, unclit the desired diameter of the
buncle and its butt resting of the foun-
$\qquad$ let it lay until it began to look green. again, and then 1 took a disk harrow and
went over it, setting the disks at full angle, and lapping, half, giving it practisk a double disking. I consider the with, because tool to break the furraws After I had got it worked over once this way I let it lay about a week and the every few days all summer. I sowed the piece of ground to wheat on September 19, but the weather was so warm that the Hessian fly totally ruined it, so I let go till this spring and sowed it to oats. quack grass in sight. I believe that can be gotten rid of easier than milking but what ean be killed if it is kept om breathing long enough. Eaton Co $\qquad$ Rogers. I always liked to stack the grain before orce us to commence threshing first wet stack with its sprouted grain is
something to be avoided, even if one has thresh from the shock and let the I have always insisted d round stacks field, as seemed best. The years when the straw was long caused a different arrangement than when the straw was
short. This year, 1912, the straw is short, more round stacks will be built er but many will stack that have often 1911 was a lesson they remember. Much threshing was done this spring because
of last fall's rains and all the round tacks as far as I can learn, built as I am bout to suggest, opened up in perfeet few heads. hey will not wet and grow inside is: Make a solid foundation as small 2. Keep the middle full and well 3. Leave a ioose edge of straight straw, untramped, that will settle so muct more than the center as to caus.
all straw to be in an incfined position. The object should be to build a per1 know leng and lodged grain will, unless extra care is taken, produce long, ill-
$\qquad$he difficulty.
If the ground is not level where you wish the stack to stand take time. to his space lay a foundation of some-
$\qquad$
or it is the best I fever saw in a countrytubular well, and is pumped by wind-mill
into a mine-barrel tank in a closet on the
overfows to the stock tank at the barn.
Standing by the ititchen range, and con-
ank, which is connected with the larg
ank upstars. This gives an abundan
range of hot water at all times when the
room adooining th
kitchen has been fittedlea tub, with hot and cold water con
and, and porcelain lined sink with ho
with pipe to cistern contions, alsonool needed. All waste is piped to a cessthe pool or ten rods from the house,ystem, all complete, not including the
nd-mill, and not counting his own a
evere test, with the temperature dow
nd is giving perfeet satisfaction.
hese days a farmer can have convenmoll as his So far no weight of any kind has been and I always lay them very carefully with a fork. The man throwing from the load should always pitch the bundle so lands on the center of the stack with uts butt, if possible, pointing
utsite of the stack where stacker is at work. As each row is completed begir will pass with its bundles laid so the buct ond the middle of the distance to or behe band middle of the distance between bject now is to bind and fill up. Lay the bundles more tightly than you have bundle firmly betses and read each head. Have every other load, if possible, driven up on the other side of the stack. Much depends on the carefulness of the man who unloads the wagon. Be sure Be careful not to draw in too fast, Be careful not to draw in too fast, a
ood steep roof is desirable. Seleet special bundles and take unusual pains in breaking them for the top. A stake
sharpened at both ends and five or six feet long should be used to pin the top sheaves. Finish by carefully raking the Wisconsin.

VATER SUPPLY ON THE FARM.
Forty years ago the most of the wells this section were from 10 to 30 feet he most of them with stone from the fields. These were all open at the top, there were plenty of holes at the sides for the entrance of angleworms and other
things still less pleasant to contemplate. The almost universal means of securing oaken bucket, with a "sweep" for the shallow, and a rope and windlass for the ceerer wells. Sometimes a prowling cat went to the bottom of the well along with the overturned bucket at night, and the well, no easy job with the means employed. The most of the cattle dranic from ponds, none too ciean at some seasons, and from creeks, as was most coran abundance of water, but later gave would give trouble during dry seasons, and then the bored wells, cased witi
wood or tile. 40 to 50 feet deep, came in to use, but as the wind-mills came to pe used for pumping, both for the house and
stock, these were also lacking in a dry stock, these were also lacking in a dry
season, and then came the tubular wells
$\qquad$ with about 90 feet of water. It was put
down 19 years ago, the pumping is done by a 10 foot wheel, on a 40 foot tower, plied from it. It has never given the
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ufficientime they do not have to use manur
ust as fertinzer. You need the fertilizer
s for the purpose of correcting the acid
ARRANGING A FILTER FOR THE
Will you please t
used and how a tell me what materia

a cistern?
Lapeer Co.


The most common method of installing
the cistern by means of a briek wall,square "well" inside the
cistern of brick and mortar. The brickthem and be fairly well filtered throughthem and be fairly well filtered in thebe satisfactory for filtering cisternt watbe satisfactory for filtering cistern waterfor domestic purposes other than forrinking water, in which case a morelaborate arrangement will be required

## LIVE STOCK

TENDENCY OF LIKE TO BEGET

Great as is the scope for skill in the
management of soil and crops, there is
still greater scope in the management cf
live stock. When a farmer buys the seed
for a crop, no skill in tillage will make
any variation in the kind of crop. When
the stock breeder goes to work, it lies
largely with his own judgment and skill
whether or not he produces an improved
animal. Continued selection and hybrid-
ization have made farm crops what they
are, and with ordinary cultivation there
is little tendency to deteriorate. In the
case of live stock, a single generation
may make the greatest difference either
for better or for worse.
It cannot fail to strike the observer
how wonderfully uniform in appearance
wild animals are. Rabbits, squirrels, foxes, etc., are each an exact reproduction
of the type. This is not the case with
the domesticated animal. The more the
breeding of the stock has been kept under control, the more variable the stock ciples of breeding will throw a good dea of light on these variations. The origina
principle is that "like begets like."
The wild rabbits of a certain distric general appearance. In different dis although they may be descended from stances of life modify type." Where cir
cumstances are favorable we have th

## large, well-developed type; where favorable, the type is pinched and dwar

$\qquad$
$\qquad$ sheep with any of the mountain breeds of sheep. So strong are the circumstances of
life that ac true type of the mountain breed cannot be reared on the good, lowlying land. The first generation of calves dairy herd just because of the prepotency
which his pure-bred breeding gives him. This is no argument against the use of
phre-bred sires in such cases. Then ov- ment Stations, has received a repor


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ake those heifers which show the ear- eager to eat up all the bean forage and qualities and will mate them with a bull tion had been changed toward the en have unpor selection. No farmer need eating daintily or were off feed entirely Illinois.


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## The Magic in Deep-Tilled Farms!

Here are some facts about deep tilling and the money-profit to farmers who do it. Also the facts about the Spalding DeepTilling Machine which tills, pulverizes and mixes the soil, all in one operation, leaving a perfect, deep; garden-like seedbed over the entire farm. Every farm that produces its maximum profits must, finally, come to this careful, easy way of deep tilling.


Note the illustration above. It shows the rear view of the Spalding DeepTilling Machine. The seedbed to its right, with the high stand of corn, is that most farmers are makes. The one to the left is the kind of see. We have hundreds of letters from Spalding users giving actual figures to bear out what this picture tells-not only corn figures-all kinds of crops. These farmers have plowed one field the old way and annother, alongside, with the Spalaing Machine, just ta make an actuat eomparison. No know what they The Spalding Meline on a thousand farme is causing some almost miraculous increases. Learn what it can do for you. Among the thousands miracuious owneases. there are farmers who own just such farms as yours Their experiences with the Spalding are exactly the same as yours will be Write for the name of an owner near yout who will show you his Spalding in operation. Get his experiences first hand.

## Why Users Laugh at Drought

## . Hundreds of users in drought sections say, "If we'd had that machine last year

 Iike a sponge, whitie the rainson the shailow-Dlowed dand run off II's because this pulverized, well-mixed soil liberatas the utmost of the needed plant food for the long, healthy
 ing The mass time to do it than plowing and harrowing tates now. are like makic. One
 No other machine or plow doos anything like it. You oungt to know ail about it and
about the profits to tarmers who deeptillevery year with the Spalding. "Thead over the letters from uneer. Then write for our book on deep tilling called
"The Bulletin" also the Spalding Catalog. Cut out this ad as a memo to send for them Spalding Dept. R-7 Gale Mammiacturing Co., Albion, Michigan

> Gentemenc About fare years ago

Gale Manatataturninmounh. M, M.

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Spalding ${ }^{2}=$ Deep Tillith Machile

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| O.1.C's with size \& quanhity, the kind I con positively <br>  |
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DUREG JERSEYS Min aerioo baat two brod $\frac{\text { and nees in G VIVIAN, R No . } 4 \text {, Monnoe, Mich. }}{\text { Duroc Jerseys }}$ DUR0C JERSEY SWINE-THE BIG KIND,
 DUROC JERSEYS ${ }_{\text {Winter }}^{-10, ~ \mathrm{Fall} \text { and }}$

 CLOSING OUT-Butler's Bix Type
 POLAND-CHINA SWINE Big Smooth Poland China Hogs $\begin{gathered}\text { Prom large, siree. } \\ \text { gither }\end{gathered}$

 POLAND CHINAS - Either sox all ages Some:



15 Poland China Sows bred for spring lit:



 Lillic Farmstead YORKSHRES.

 Priease mention the ritchigav Parmer when
wittane to ad verthers.

## THE DAIRY

CONDUCTED BY COLON C. LILLIE.

FALFA IN AUGUST.

Will you kindly answer the following
questions: First, what can I do to se-
cure a dry barnyard? My yard is in a
rather level place and in time of the wet
seasons mud gets deep. What is the best
and least expensive way of remedying
this? Second, I desire to sow a piece of
alfalfa on clay ground I have thought of
piowing the ground in about ten days
from now and then allowing it to stand
late in July and then sow it without a
nurse crop. Would you recommend this
course?
Lenawee Co.
If your barnyard is situated on A. land
that muds up when it gets wet it is im-
possible to have a decent barnyard dur-
ing the wet portion of the year. If you
have much stock and use it, it is the use
of the barnyard, when the land is wet.
just as it is the use of our common dirt
roads when they are wet and soft, that
keeping the cattle in during excessive
vet weather or early in the spring and wet weather or early in the spring and
in the fall, and if you do that you protect our barnyard. My soil, however, was
as bad as that of Mr. Gurler, being o firmer character

Sowing Alfalfa in August.
Many of the farmers who have expe mented with alfalfa are beginning recommend August seeding. Some of then raise a crop in the spring of oats, or oats, or early potatoes, h
these crops and then fit the land a it to alfalfa. Undoubtedly, the and so way to get a stand is to plow the land early, as you suggest, and work it thorsummer and time to time during the enough moisture so that the seed will germinate, sow the alfalfa. The prime object in this is to do away with the
problem of weeds choking out the al falfa. Weeds don't grow very luxuriantly late in the season. They grow early in
the spring. When you sow alfalfa early choke out the alfalfa. But if the


An Abundance of Light, Ample Ventilation and General Regard for Cleanliness makes vhem bad. If we could only keep seeding is deferred until late in the seaoff from the clay roads when the land is son after the season for weeds, then the oft; wait until they are dry, the problein alfalfa has the field to itself. When you
of good road making would be solved, come to think of it, fall is the natural
$\qquad$


LEHIGH PORTLAND CEMENT COMPANY 386-B People's Gas Bldg., Chicago, Ill.




The Michigan Farmer established 1843. THE LAWRENCEPUBLISHING
EDITORS AND PROPRIETORS.

TERMS OF SUBSCRIPTION:


## CURRENT COMMENT.

## Magazine Section

> LITERATURE
> POETRY HISTORY and INFORMATION

The FARM BOY
and GIRL
SCIENTIFIC and
MECHANICAL

This Magazine Section forms a part of our paper twice a month. Every article is written especially for it, and does not appear elsewhere

## S silenc she,

 out with carinmerous brood, hum
Of insect life is hushed; and all the birds That lately poured from swelling throats

Of silvery music to salute the mor
Are mute. Unstirred, the grass
Are mute. Unstirred, the grass
Leans softly to the earth
Leans softly to the earth-moves not a
As carved from pearl the languid lilies float
Upon the glossy bosom of the lake,
As if tired Nature, in her hour of rest,
Breathed not, but lay inert, as in Breathed no:
trance.
The sun pours down his enervating rays Broods like a nestling dove above the scene,
Faint tinged with pink, against an azure sky. But lo, a transformation! Cloud on cloud
Marshal their forces from an unseen source,
And rank themselves athwart the startled With swift increase, their wild battalions On the fair battleground-as soldiers, who The soft grass trample, and the tender In their mad thirst for blood.

Husht What was that? The muffled roll din bry drums
Calls the wid fosts to battle. Nature now Springs up, affrighted, from her daisied
couch, And trembling, shr
known Power
hat, with dark menace, contemplates Long since, the god of day, in wild dis His cheerful, round face has hid; no friend
Seems near
Seems near at hand to rescue or protect Comes the wild roll of drums. Then sud - denly

A vivid flame illumes the battle front, Close followed by a crash that rends the
$\qquad$
$\qquad$ A sudden gust of wind sweeps low the Their chirping inmates fluttering with affright,

## THE STORM

## BY DAISY WRIGHT FIELD.

## And the last fragments of the storm, Like shattered rigging from a fight at sea,

 Silent and few, are drifting over me.-LOWELL
"Cloud on cloud marshal their forces."

earth,
Wherein the startled insects seek repose; Churning the calm-faced lake to foamy spray,
It thunders on, to distant hights, and thunders
leaves
Behind, an ominous calm.
But now, behold, the seething hordes
advance, mmon cause for fierce dissension found.
faster roll the drums-the cannon fire volley, vivid flash on flash Volley on volley, vivid flash on flash
Reverberating from the eternal hills. Reverberating from the eternal hills. The hapless earth. The musketry of hail Rattles against her foliage; while the lake
Sends up a Sled from the opalescent balls that sink Deep in When Na

A sudden lull. The scarlet lightnings sheathe
heir forked tongues within the murky The cannonading ceases, and the hail Gives place to gentle drops that soothing Upon the The god of wind reins in his furious To a mild pace. No other sound is heard Save the soft dropping of the silvery rain
That tinkles pleasantly upon the leaves. And so for hours
The earth slakes her long thirst. Then The clouds as spirits silently depart
that mysterious source from whence

The sun leaps forth, and the last sprays Are of rainged to sparkling diamonds o the grass, And wreathe the The lake lies limpid Reflecting on her placid breast the That spans, with mellow tints, the evenWhile ing sky, The clears a song, And yonder oak

## The Aviators of the Vegetable Kingdom.

Many and curious are the devices by which the seeds of our common trees and
plants a:e scattered to the four winds plants are scattered to the four winds, fare some distance, but usually settles winds seem always laden with these
Some are equipped for aeroplaning, and near home. We might compare the ma- seeds ready to re-clothe any denuded some take advantage of outside agencies, such as birds and animals, to assist colonies in the far places of the earth, Nature built the first monoplane them to their fnal resting places. The while the ashes are less adventurous. disseminate the seed of the basswood
superficial observer might think that the Another class of trees includes the wil. inden tree Slender threads attach maple had small opportunity of sowing its seed, and at best the planting must seeds of these are very light and each is which, when detached from the part of leaf, be under cover of its own shade; but inclosed in a dainty fluff of cotton, which tree, enables them to sail majesticaily look at the winged seeds, and then go may often carry the seed for miles on awey to find a congenial soil far from out some summer morning and note how the summer wind. Few of these light home. prodigally the west wind scatters them. seeds find lodgment in fertile soil. So The seeds of pine and other cone bear-
Should every seed find fertile lodgment, airy are they that the slightest breath ers have wing attachments which make Should every seed find fertile lodgment, airy are they that the slightest breath ers have wing attachments which make we might expect a thrifty crop of young of wind drives them away, and unless them so buoyant that they may be car-
trees within a full quarter-mile of each one blows under a leaf or finds anchorage ried for miles. They are very small and, silver maple.
It is the wind that scatters the winged It is the wind that scatters the winged
seeds. These are the aviators of the is soon spent in useless flittings. ing season is much prolonged. Often in vegetable kingdom. If the winds are the common milkweed. The tightly pack. notice myriads of tiny seale one will strong when the seeds fall, then will the ed cotton is attached to the seeds, and their way slowly to earth and shimmerplanting be farther afield. The silver as the pods open when ripe and the seeds ing with beauty as they cross the maple sows in late May, the red or white launch on the wind, they may travel for patches of sunlight.
maple in June and the sugar maple sends miles. Plants of the thistle and daisy There is a pine on the west coast of out its winged messengers with the families also provide their seeds with America that is very jealous of its seed.
painted leaves of autumn. The ash seed fluffy cotton or feather-like attachments. It is called the lodgepole pine from the painted leaves of autumn. The ash seed fluffy cotton or feather-like attachments. It is called the lodgepole pine from the
is not so airy, and falls nearer the par- The fireweed, which so quickly springs tall straight growth and freedom from ent, but it is winged or, rather, equipped up on burned lands, is a prodigal seeder limbs of the tree trunk. It is a grea ent, but it is winged or, rather, equipped up on burned lands, is a prodigal seeder limbs of the tree trunk. It is a great
like an arrow or dart. In a gale it may of this class. In the northern forests the producer, but, like a miser who hoards
his gold, it holds its seed for years. The
cones are hard and flinty and sealed with cones are hard and flinty and sealed with Thus it happens that when a fire sweeps the mountain slopes, as it often does in that section, thousands of seeds are libwith a fine growth of young lodgepoles in a few years. Possibly nature had this tightly. Thus she always has a suppiy The witch-hazel blossoms and bears it seed in late autumn, a belated bearer and then scatters them by a method of its own. When ripe the burs burst with veeds for ten feet or more in the round rection. The familiar jewel weed, louch-me-not, has seed pods set with with Many seeds employ outside agencies or their journeys. Cherry pits are scat birds; nuts are hidden away and cedar and forgotten. Acorn way distances from the parent dropped long sticky pods become entangled in the of fox and bear and are shaken out to
sprout and grow many miles from the duced to carry the seed to some more them goodnight and left the store. I lamp blaze spit and sputtered in my ear, place of their birth. In proof of this favored spot.
carrying by animals, I have in mind a Nature as a rule is very lavish in her carrying by animals, I have in mind a Nature as a rule is very lavish in her
trow of chestnut trees planted many years sowing. Any tree will produce thousands hrew the grain bags under the wagon seat, pumped the trough full of water with the groaning pump and was about casionally flashing up with a warning ago in a locality where none grew be- of seeds, some millions each year. Of miles is interspersed with thrifty young more than one in a thousand falls in chestnut trees, the seed of which must good ground; the others perish by the All kinds of berries, which are but seeds to make a sickly growth for a few weeks All kinds of berries, which are but seeds largely upon birds and animals for disargely upon birds and animals for dis- the crop of young maples that sprout evwould fall at the foot of the parent bush, ery spring, but only a few find conditions where they would have no chance to ture is a great planter but she usualiy grow, but the parent wisely provided a forge
juicy food that the birds might be in- lings.

## MY LAST TRIP <br> -By Mary B. Topping.

It was before my wholesale days that scratch his head-he looked half man and I made it, and it wasn't any pleasure half chimpanzee. With his hat on he
trip, either. It was either that or "Pht," resembled a superannuated scarecrow up in smoke for mine. It is queer how a whose face had been picked off by the man can laugh at tragedies after he birds to line their nest leaves them so far behind that they become comedies silhouette
I was a peddler then, $u p$ in the eas end of Tennessee. At that time civilization quarrelled with border ruffianism in a rough-and-tumble fight. There had still at large, roaming about in the wilds of the Cumberland mountains, enjoying
the freedom of the wilderness, while sheriffs and constables with their depu-
ties camped behind the rocks and in the ties camped behind the rocks and in the
jungles to starve him out. Not that there was anything uncommon about that. The strangeness of the affair came
in when the climax of the thing assumed "My," and he was not a welcome possession, either.



 unction of two rough country roads where a country store winked at me invitingly with its smoky coal-oil lamps
through its many-paned windows. I was a sociable fellow in those days, made my lunches alongside some noisy stream or some gurgling spring, with only the back to them, though I used to lie in the ed by their songs, so I didn't need any second invitation from those lamps; they
were as welcome as the most brilliant electrics shining through diamond win-
dows. It didn't matter a bit to me that a big piece had fallen out of one of the wrapping paper pasted in, the paste There were men there, rough, uncouth
mere men and tobacco spitting, yet they were men
and could talk, with the homely vernacu-
lar of the mountains it is true, but this speech was music to my ears. Then, toory
almost any man might be an angel in
disguise. Tennessee was on the prohibition list,
nd bootlegging joints were as common prohibitionist but believed in the docnever missed a chance to prove it.
So I tied my team, left them chaunking the contents of their nose-bags, and
sauntered into the store. It was half full of men who were discussing the recent murder as though the resul
rial depended upon their efforts. A small weazened up man by the stove
attracted me. He was huddled up, with
his hands close behind him, almos his hands cose the stove as though to warm I could easily guess that he ha
tood there, off and on, most of his time winter and summer, but it looked quee
with the stove door open, spilling out collection of unlighted rubbish which ha evidently been picked off the floor sinc
the fire had gone out in the spring. Th man's forehead was normal but the eyes him the instead of one. His nose was only section of knife blade covered with skin and it had a slight twist sidewise at lit in his face. His under lip receded, slit in his face. His under lip receded and his chin was a small knob so his back and occasionally removed it to
"Ah don't guess that ar' fellow is goin' git ketched up in them hills. He knows was thin and A to Izzard. His voice though his epiglottis was working overA long lank hill-billie lying on the counter with his bony hand in the cracksawdust wnd wheket old up the whole remarked. He coula took an army rifle along that shoots say he "Is
'Is Halyards daid?', questioned the storeeper from behind the counter. man.
e must have croaked in the night

## 'hen; he was swearin' at midnight," ob-

 "He passed in his checks at half-past A fat bleary-eyed man pulled himself to his feet from the bench where he had "How asleep. "How do you know so durn muchbout it, Monkey-face?" he bawled. "Now quiet down, Bill," the storekeep-
ordered. "He makes me so durn tired," exhis'n boll. Hes in allus got that nose sarn him.'
The little man had quietly put the stove between himself and Bill, from which safe position he re
'"You can allus depend on Monkey-face made thin for noth'n',', volunteered Bill. I had just Yankee enough in me to
draw my own conclusions on the situanan, for he shot an ugly sidelong glance from his eyes which I didn't like. Bill was evidently sore from some gossip dispensed by "Monkey-face at his expense. quiredere is this man located? I in"Up yan in 'Tater holler," answered
Bill. "Not near enough to spit in, but a leetle to near for comfort unless you dollars reward." hundred dollars was what I had five looking for.
"Governor'll pardon him out if they git him in the pen, but Ah reckon they
sort o' want to keep the money in circu"ation," said Bill. "Did he murd
$\qquad$
$\qquad$sell, but Halyards wanted to work theland. Moore got full of Kentucky corn
juice, took a gun and tried to persuads
had to shoot him full $o^{\prime}$ holes to do it."
couid put up for the night.
"Reckon they is," Bill replied
ou'd better wait till daylight."
The lank man pulled himselffull of crach his mouth
him for the night, but I declined.early in the morning," I said and visionsof 'Tater holler and five hundred plunksdangled before my eyes, "so I guess I'll
After demonstrating to their satisfac-ion my thorough belief in temperancebehind the back partition, during which
felt a tap on my shoulder. I turned "Reckon Monkey-face.

## whispered.

I rever had been so very particular as o my associates, but when that fellow jumped in and sat down beside me I felt just like you feel when you meet a snake rode along in silence for a time; We habit asserted itself and I began to whistle. I had one tune which ran along just the right meter for the horses to get on a good comfortable trot and this
was the one I struck into. It had never seemed to me amusing, but I had only
gotten to the end of one bar when the man beside me made a noise which I interpreted as a laugh. It was between a choke and a sneeze. It wasn't to be sup-
posed that a being like that could give posed that a being like that could give vent to a real healthy laugh, but somehow the imitation made me mad and I stopped whistling. After a minute he
said, 'Keep your tune up. You needn't said, "Keep your tune up. You need "You fraid of me", I asked tonishment.
> "Naw, but I cayn't tell what you all's goin' to do next." snapped. I had a suspicion that the pump had applied its suction valve to me, and though my life had been clean and above board yet, like Bill, I hated meddlet.
"Think
asinkin tryin for that reward? asked after a while.
"Suppose I was. What then?"
"Thot mebbe I could make you change your mind." His voice contained a sus-
$\qquad$ pumping. $\qquad$ ketch a m
priming priming.
my mouth shut.
"I'd never dast tackle went on. My silence didn't bother him in the least. "You're such a big man, reckon you don't ever feel afeard o'
noth'n'," he insinuated, and I had to sit noth'n', he insinuated, and I had to sit
on my hand to keep from slapping him, on my hand to keep from slapping him.
"That man Moore is' a big critter, stan's six feet four in his socks."
"The biggest men are sometimes the biggest cowards," I retaliated, satisued that civilization was so strong in me that I would allow myself to use no other He kept it up and before I realized ness, my hopes for the future and my plans for the night. Then I wanted to By and by, over to the right, there appeared a hign peak which actually darkened the already dense darkness of the mountain night. It loomed up bleak and threacening, and Monkey-face waved his hand toward it with the remark, Tater holler Try it if you recton vor can make it. I'll git out here
He threw himself over the wheel and was lost in the thick bushes that skirted Two hours later I sat in my little hot my report. From my window I could see the black outline of Bald Knob, and the sight of it made me cease to wonder why the store I had made a firm resolve to
try for the reward and cut out thi tedious driving across country for my daily bread, but the thought of doing so I was quite content to discard all my my stars that I was within four walls if I could not keep my eyes off that knob that constantly intruded upon my priwas getting lighter outside so, after fancying that the knob shook its fist at me several times, I pulled down the
shade, whereupon the mercury in my room bobbed up ten degrees. The heat from the lamp made the room almost insufferable, and the flies were the most persistent ones I had even seen.
All at once my lamp began
and the already blackened chim smok
came so smutty that I could not see my
own figures. I threw down my pencil to wipe the chimney with but something had poked into the chimney while the
that the burner was getting too hot. In
my haste to put the chimney baick I had daubed my hands with lampblack, and a hasty swipe of the handkerchief across my face, to catch the drops of sweat which were rolling
I did not realize.
I did not realize what I had done unt11 I caught sight of myself in the glass, but nob of the door turned; face for the ened slightly and then an ugly face was thrust in. I threw the chimney at the intruder but it smashed helplessly against the door and a revoiver was inserted beneath the ugly face. The shining ring of the barrel end was the most distinct thing in the room.
A man's form followed the face, and he was six feet four all right. I couio beganorn that he was ten feet high, began to think that I was in a nightme; I what giant creeping toward was slapped to yell, but a grimy hand Monkey-face over my mouth. Just then behind more squeezed through the door Monkey-face was Moore's spy He stand there prinning at I was more frightened than I ever had been before.

## "Git a move on ve, peddler" hissed the

 giant in my earMonkey-face picked up the handkerit in his pocket. All was fish silently put to his net. I put on my shoes as I was ordered. Then Moore said, "He'll go along. Mosey down yan in the hollow with the team. I'll be thar."
I was about to inform him that his company could, on a pinch, be dispensed with, but I was warned to keep my to Monkey-face, who put it in his pock-
et, giving me to understand that it would stay there as long as I behaved. I drove oo the "Holler," with that slimy monkey clinging to my arm like a loving brother. Moore was there per schedule, and climbed up behind, seating himself on the cover which was built out over the wagon to protect the goods. His knees just ouched my shoulder. His hands carressed the barrel of a long-bare, rifle ugly knife for it knew there wass an when he had stood had ca,ught the gleam lamplight. Prudence bade me drive on; amplight.
We heard wheels coming. Moore ad justed himself flat on the top of the covear. "Oith the end of the rifle close to my of your danged haid comes off," he cheerfully offered. I kept my elamshe: 1
shut. I just made out a doctor's which we met and passed in the narrow
"Drive like thunder; hit's gittin' light,", commanded Moore. Monkey-face team. Surprised and shocked my poor accustomed thed anjust an instant jusy started. The road at this point was across a descending tier of rocks running there on a jump. I expected to see my they reached the bottom in safety, but drove as he said, and no mistake. I did but I made a mental had it in them the time we struck smooth road a gain load of drygoods. All the cents for my hill lay rolls of cloth and bundles of backwards, for instead a look of regret dred reward for the capture of the mur time for "Mind your knittin'," said Moore, "and Turn that ar corner yack agin' daylight. drap me at the junction crossin'. My side-door Pullman's awaitin' for me. your proper rest afore returnin' all gits Baldy." He chuckled hus sle old

Just then the whistle of a train was heard. Monkey-face gave the team another fierce welt with the whip and we scended another tier of rocks.
We made the corner on two wheels and the speed of the horses was so great the middle of the hill their way. In tripped and fell; the off horse, after wal(Continued on page 46).

## IN HAYING.

BY FLOY SCHOONMAKER ARMSTRONG. Long ago in days of boyhood,
In my old home on the farm, Haying time was fraught with pleasur Work could not dispel the charm. Everyone was carly dawn of day,
When I heard my father say
"Now then, Sonny, turn the grindstone, Till my young arms called for mercy But at my eyes would smart and burn; And, with rub stones in their boot-tops,

Now then, Sonny, fill the old jug,'
And the old jug I would fill
Then I'd lug it up the hill,
Hide it in the cool, damp bushes,
Within easy reach and cat Within easy reach and caft
Of the thirsty men whose broad swaths
Reached-the jug beside the wall. "Now then, Sonny, you rake after
And after I would rake-rake And after I would rake-rake
Till the hot sun burnt my shoulders And my arms and legs woulders,
But the pain and fret of battle But the pain and fret of battle
Ebbed away, at close of day Ebbed away, at close of day,
When I rode t'ward home and supper How I'd like to try it over But I know that And my haying days are past
WHEN GENE LOOKED THROUGH A SOLID BOARD.

He was known as Gene the newsboy He was known also as the smallest mite of humanity that was in business on his Tiny as was Eugene's body, it was big enough to accommodate a vast amount tain individual; that certain individual
being no less a personage than Doctor Branson, who was favored with the most extensive practice of any physician
thereabouts. Besides his reputation for unusual skill, Doctor Branson's peculiar eccentricity as well. On this account he eccentricity as well. On this account h
was frequently referred to by the "newsies", as "that funny lookin' guy,"
'm never goin ter call him names me?'' 'announced Gene to a group of fel low merchants as they awaited the distribution of dailies from the newspaper office. "Gee! I was sick-never knowed
I could get sick before," continued the doctor's champion; "and the fust thing I seen meself settin' in a welvet chair; and that doctor feller says, 'I'll fix you
up, sonny,' jes' like he was me father.' in hee! house, then.", newsy, "you been
"'Course," answered Gene with a ring ketched hold on me wrist and seen m
tongue, guv me some med'cine wot wa awful bitter, and here Inished he, straightening up in an endeavor to appear as tall as the oth
er boys. After that, the newsy who dared refer
to Doctor Branson as a funny guy was
looked upon by the others as a mora pervert, and was peremptorily silenced yer," as Gene said, "ain't goin' ter b
called names."
Late one evening when the busy doc troduced Gene to the mysteries of
trow queer looking machine that had so the lad's, attention the day h was "tuck sick." To use Gene's own
words, "Fellers, I never seen anything
like it. Talk about the doctor lookin through yer! Well, the doctor he jes and up sputtered a light-kinder greenlike and scary. 'You can see righ
through a solid board with this,' says he sy, but his contemptuous allusion was how the doctor had held up an oaken board-a slide from his dining-room ta
ble. His dressing-gown was lying nea and, bundling it into many thicknesses
he put that back of the board, and be hind all he placed a pair of shears.
"And I looked right through the boa gown and all, and seen them shears as
plain as I see you now. Next, I held me plain as I see yat up to that light, and wot did I mee but the bo
the flesh!'

[^0] newsy's credulity
didn't never read 'bout X-rays? Wot do didn't never read 'bout X-rays? Wot
yon carry papers fer-only to sell 'em?'

After that the boys listened eagerly as beam wind. For special work a keel may penetrate certain substances which were steady. I have seen them used with a totally opaque to the unaided human eye. one-inch keel on the large lakes of FlorFor instance, those mysterious rays will ida, where the occupants were somereveal coins, keys, etc., in a closed leath- times out of sight of the low shores, and er purse; or suppose you held up your the boat's behavior, even in high winds,
arm and were wearing a bracelet; the was most satisfactory. The smooth-botflesh would appear to have melted away, tom boat will, without doubt, stand pretwhile the bones, along with the bracelet, ty stiff weather, but unless loaded heavwould appear in shadowy outlines.
als are furnished with up-to-date hospiapparatus, it is possible
girl to witness its wonders the same
THE COMMON SENSE OF CANOEING.
Indian birchg of beauty the well-made
OF CANOEING. canvas-covered descendants. Equal to it
To the uninitiated the canoe is a dangerous craft, to be spoken of with bated breath; and yet for ordinary water, but
little experience is needed, coupled, of course, with care and an ordinary amount of common sense. When rapids are to be encountered it is a different ience should a loaded canoe be taken hrough heavy water.
Leaving aside the racing machines, misnamed canoes, the three chief types are the Rob Roy, the birch bark and the $\epsilon$ pitch. To further insure its being
canvas. Of these the Rob Roy is the canvas. Of these the Rob Roy is the water-proof, a coating of varnish or sturdy sea-going canoe for sail or dou-
ble-ended paddle, having a deck over all
but the opening in which but the opening in which one sits sur-
rounded by an apron if the sea is rough. lounded by an apron if the sea is rough.
Such a boat will stand very heavy seas,
if properly handled, and is, in any case, a wonderfully safe little craft, most suitable for salt water and for large lakes,
but not for running water. From the original Rob Roy type innumerable va-
ieties have been developed, some with keel, some with center-board, some large carrying only one person. The cost of from about $\$ 75$ to $\$ 175$,
and to style of finish.

## For inland waters, especially rivor

$\qquad$ developed from the famous Indian birchbark. It embodies the good points of ise birch-bark model, and in addition by which friction is so greatly surface This so-called canvas canoe should more prope:ly be called canvas-covered, for is sheathed with light, thin wood over vas, which is painted, rubbed down and The bottom is without keel in order allow of quick turning in a strong cur-

## slight hold on the water, and consequent

Ready For Work, Though It's Vacation Time.
By Alice Annette Larkin


heels. Good "beef" moccasins are the ldeal footwear for canoeing, and next to shoe that is so much worn by the umbermen.
In every canoe there should be an extra paddle, and if there is any chance of trong water or rapids a light but ecessary. with steel point will be found one any. If there is much poling to be one an extra pole may be carried for, in chance that the pole may break or be-- - —

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GETTING THEM INTERESTED
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Ducks?" name is Frieda Betts, and who lives in Hillsdale Co., has "made friends" with veloping a lively interest in this branch of her mother's poultry operations.

## LITTLE FARM FABLES.

Bunny's Benevolence.
Father Bunny was a most conspicuous character, his chief traits being an allabsorbing interest in the affairs of his manage them.
These instincts being top-most in his nstitution, it goes without saying that it was impossible for Bunny to hoard up feeling within himself that he could furhish a superior brand of that commodity, prodigality truly astonishing.
Relatives, friends, acquaintances alike Relatives, friends, acquaintances alike
came under his benign guidance. Indeed, claim having escaped his benevolent suard the best fork of considthe grove, were proceeding to settle
therein, Father Bunny's observant eye making the mistake of their lives, in-
timating that it being the taflest tree on high wind or become fall in the next taded he - and about a he, and cared one straw about
safety of these charming little Red-
I would abandon the place at once.
$\qquad$
$\qquad$ immense hollow 10 g which he planned to use as his winter cache, ly hunted him up and informed him that lar log was the worst den of snakes anywhere aboui, "and even if they hav eft it," continued he, "the walls are so old and rotten that they are liable to
cave in any moment and not only bury your provisions but yourself with them
$\qquad$
$\qquad$
I guess you don't know us or you never It's vacat. $\begin{aligned} & \text { saw at last for Rover and me, } \\ & \text { Rover pull from the front end while I And the farm is the place where we're } \\ & \text { push behind. }\end{aligned}$

[^1]a veritable bonanza in the shape of, a sat there upon the morning-glory vine sium in water. Soak blotting paper in largest and finest nuts imaginable. But more beautiful, with a richer color as the no sooner had her good fortune reached sunshine filtered through the gently wavhimself to her quarters and, with a sad face and many sighs said: "It is my un- The colors upon its wings became more waste no time on that worthless tree. I tints, and the butterfly waved thes have been acquainted with it for years beautiful wings joyously, as though glad and know it to be a poor, miserable, de- to get out of its dark, cavernous home
ceiving fraud, which I have long hoped into God's golden sunlight. It had grown would fall beneath the woodsman's ax. from one of those ugly green worms will meet all of your expectations. To be sure, it is on the outskirts of the
grove, but you had better go some distance for sound sweet nuts than to de-
pend upon these poor, bitter, sodden things. If you are wise you will take And so it went. Being wholly en
grossed with the affairs of others, Fathe Bunny, of course had of others, Father after his own and, one bitter morning in thrust his head out of his cozy cabin, saw in the distance the form of the great benefactor stretched upon the frozen earth. Having neither food no ing blast. Lying prone on his back, with stiff little paws extended to the pitileas Withdrawing his head from the nipping minds me of a conversation I heard on Thanksgiving day. Two lads, who were ter of someone who had lately died in marked one of them, 'of a newspaper men are so liberal that they had rather give good advice than keep it for their SEEING BEAUTY IN UGLY THINGS. How common it is for people to find
beauty only where it is easy to find it, monplace things, in the homes and lives they see which offend the eye or the
taste. We walk along a beautiful avenue


$\square$
$\qquad$
$\qquad$
within the cabbage and had developed into this beautiful, airy creature which looked as though it had fluttered down
from heaven along with the sunlight, rather than out of an ugly, withered, blue head of cabbage. It had once been
a worm, but was now one of the most beautiful creatures my eyes had eve After sitting upon this vine a minute an ecstasy of joy, it flapped these wing little more energetically these wings cross the yard, alighting upon a grapeine which grew over a trellis. While ying it seemed almost as large as a parshimmering wings reflecting the sunlight in many-hued colors, gold and purple, blue and white-in fact, so many that the ther-until you could hardly realize that the beautiful creature had ever been an Hady green worm boring into a cabbage. face, I could hardly have believed it looking for such a beautiful, fairy-liks been the last place in the world in which would have expected to find it.
So let us not shut our eyes to beauty, from whatsoever source it comes, but
train ourselves to find something lovely in all God's creatures, and we shall ses
the beautiful and the good in many places, people and things where we might naturally least expect it. It is one of the
iaws of the Aimighty that some of the
least attractive of his creatures can develop into things of surpassing loveliness. THE DEADLY FLY.
BY DR. A. P. BONNEY.
It does not matter to the large majority of the readers of this article that the fly's name is Musea domestica, and that
it has been known since time immemorial. Its remains are found in pieces o amber, which ages and ages ago was the
gum of a tree; this, falling to the ground, became hardened and is now washed up
$\qquad$
$\qquad$
$\qquad$
$\qquad$ or wherever human beings congregate Why this is, I do not know, but the fact
$\qquad$
$\qquad$ and traps are all efficacious if handled
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ rosin to four ounces of cheap castor oil here must be a little more oil in cold and put into a can and heated, and the rosin
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ dead flies take it out of doors, pour boiling water over it and it is ready to use again

Poison fly papers are made by dissolv
the solution, dry and put away for use
An ounce of the arsenite will make a An ounce of the arsenite will make a
gallon of solution. To use, put a small piece of the paper into a dish and pour on a little water; the flies drinking the water will die. It does not do much good to put out poisons if there are other wet things in the room, as the flies must be made to go to the poisoned water for
drink. Another good compound is made rom a handful of quassia chips boiled until you have a teacupful of fluid. weeten this and the flies will floek to it. is not poisonous to humans. A tea poonful of formaldehyde in a teacupful f water sweetened with honey will kill thousands of fies; it costs but a few
cents and lasts a long time. If a room is infested with flies, heat a shovel room is infested with flies, heat a shovel red hot, room is and closed for awhe room is kept tightly closed for awhile
every fly will be killed. Put a cupful of formaldehyde into a bucket of water and pour into the vault which will kill many flies, particularly as they hatch, and a similar compound
sprinkled where flies congregate to feed and breed will end them.
There is a trap on the market, a cone inside a cylinder, both of wire which is a good thing to have at the kitchen door, but the best way of all is
to put out poisons and traps early in the season, thus delaying the fly harvest by
catching the mother flies. In this, as in catching the mother flies. In this, as in
all other avoidable things, an ounce of

## MY LAST TRIP

(Continued from page 44)
owing about uncertainly, caught himsel nd stood stock still
I was used to these hills and ha umped on the brakes with one foot an bammed the other one on the brac
board, grabbing the hand-rail hard got a terrible shaking up but stuck to
the wagon. Monkey-face jumped ove wheel like a rabbit, rolled over a disappeared in the underbrush. Moore shot straight into the air and came dow omewhat; then he rolled broke his fal horses. The standing horse came down on his leg with one foot. I heard th one crack; the man shrieked like "Whoa, there, five hundred dollars, chuckled and jumped to the ground, ry
ng Moore's feet together with a piec ng Moore's feet together with a plece o
he rein which I slashed off with knife. I hadn't figured out how he was ing him roughly to the side of the road I cut the fallen horse loose and tried to get him upon his feet but it was no go. standing horse from the wagon and passed one of the reins under the other ore-legs and through the ends of th traces. "Pull," I yelled, and you bet he His shins were badly bruised and blood

## After I had my team straightened out

threw Moore over a horse face down
ward. He had fainted and I was glad, and I had reached it. I m picked up my ame to them and bound them to the He looked like a Christmas tree when strange load, and the shout that went up wad been laboring with a sick horse and were just returning to the hous
lantern, was full of enthusiasm.
I have told this story some seven hun dred and fifty-nine times, but it has nevfter I had gotten the soot rubbed from my face, Moore locked in the closet and I had no trouble in getting the re money and I stayed at the tavern for a and my own nerves restored.
While genius is often useful and some times leads to fortune, the men who who work while others rest.-Lloyd "How did that story pan out about the man up in the Bronx who found the big hailstone on his back stoop this morning?" asked the city editor.
"Nothing in it," replied
"Nothing in it," replied the reporter. He discovered it wasn't a hailstone af ter all. The iceman left it there."


## HIRES

Household Extract
will enable you to make Rootbeer that does more than please the palate and quench the thirst. It benefits the system. It is made of roots, herbs, bark and berrie

Writ for reremium puzzle
THE CHARLES E. HIRES CO.

## , mins

HOUSEHOLD EXTRACT

## ANNUAL TRAVEL MAGAZINE

"Water Way Tales" Published By D. \& G. Line, Sent To You Free.
The latest contribution to the litera ture of travel is the 250 page book issued by the D. \& C. Line. It contains interesting stories and is beautifully illustrated with fine halftones of cenes along the D. \& C. Coast Line to Mackinac. Sent anywhere upon receipt of ten cents to prepay postage. address: D. \& C. Navigation Co. Rider Agents Wanted 41 s7it whoez

 Yourget iut cratiogues and ofe. Write now. CHICAGO
This "Jewel" Belt Pin $95^{6}$




Need We Remain Poor? Household Editor:-What is poverty?
Is poverty accidental? What is the cure
for poverty?-L. F. for poverty?-L. F
Poverty defined: "Poverty is the state of being poor; want; penury."-Diction ary.

Cause: "Go to the ant though sluggard; consider her ways and be wise which having no guide, overseer, or ruler provideth her meat in the summer and gathereth her food in the harvest. How long wilt though sleep, O sluggard, when
wilt thou arise out of thy sleep? Yet a little sleep, a little slumber, a little folding of the hands to sleep: So shalt thy thy want as an armed man."
"I went by the field of the slothful,
and by the vineyard of the man void of understanding; and lo, it was all grown
over with thorns, and nettles had covered the face thereof, and the stone wall
thereof was broken down. Then I saw and considered it well: I looked upon it and received instruction. Yet a little
sleep, a little slumber, a little folding of The hands to sleep: So shalt thy pov-
erty come as one that travelleth; and thy want as an armed man."
"Poverty and shame shall come to him regardeth reproof shall be honored." erty: open not sleep, lest thou come to poverty; opeh thine eeys and thou shalt be
satisfied with bread." "For the drunkard

Cure "He that tilleth his land shall eth arter vain persons shall have poverty

## show conclusively

 is not accidental, but the result of lack of wisdom and effort. And in the faceof all the world's poverty and misery I venture to say that no man need conthe poor of the big cities could escape their eyes" to possibiliti their own surroundings.
farms are being only half worked for starve half the year in the city rather than go into the fields to work. Giris
$\qquad$
$\qquad$ Poverty in those cases is not accident-
al; it is intentional and criminal. Its cure is understanding and the prophet's
vision, a clear sight which looks beyond which will arise out of present efforts. No one need continue poor, but millions the slumber," and "refuse the instruc
$\qquad$ FOR AN EVENING'S ENTERTAIN.

[^2]cording to the number upon the picture.
A ransacking of old magazines and papers will supply all the pictures needed. For from a magazine, is at once sug-
cut
gestive of talcum powder, while a little
downy chicken immediately brings to downy chicken immediately brings to
mind a well known cleaner. Anyone who is at all familiar with insurance companies' "ads," knows what the Rock of an with a stick immediately is recoghized. These and many others, familiar erable brain racking after all, and bring forth much amusing comment from the participants. A little souvenir can be The second is "Candy Guesses," an appropriate prize would be a box of on bons.
slips of
sips of paper are passed around to the points too far distant to make them upon these are written, or typed, the is thought to be too much trouble, the guests a minute or two in which to supine suggeste.
 A spice and an herb-Peppermint.
To chew, and to fall-Gum Drops. What is done to postage stamps, a let-
ter, and a food-Licorice. To curry favor, or in slang, "to soft
soap"-Taffy.
A large mass of stone-Roek Candy. One of the luxuries of farm life-Cream Candy.
Contains a negro abbreviation for the girls-Molasses Candy,

## nut Candy.

## It re Kisses.

## Balls.

## -Marshmallow.

Two other little ideas that are sure to ent are as follows:
Each guest is given a card, men one hey are all given upon each kind. Then no draw 'their partmer's picture. No
names need be signed, though the finished pictures,
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ help to supply legs, arms, etc.
Ideas especially for brides or newly married couples, are as follows:
Provide guests with pencil and paper, nequest each to write an original
poem on the life of one, or both, of the signed, are all shook up together, and passed out again to be read aloud. which is best, and the writer then invited to own his contribution and come some insignificant and amusing little arA trial of nerve that is very absorbing s arranged for by supplying small dish-
es of rice and teaspoons, with which each on, one and a half cups of fresh butterkernels, no more, no less, must be lifted Pleasant.
Pieplant Pie With One Crust.
 pieces half an inch long, put into a gran-
te dish, turn on enough boiling water to
$\qquad$
$\qquad$
$\qquad$before the few philanthropic people whomake this their work. Hundreds of poor one pint of pieplant. Fill the crust and
iety for a chance to the Fresh Air So- ..... three-fourths of a cup of thick sweet
heat and noise for a time but the numer of homes which are open is far lessveral kind-hearted country peopleteaspoonful of sugar and a little lem-
ake children, but many of these are at
points too far distant to make them
Homes, 60,75 or 80 miles from
Detroit are greatly in demand, as
three hours and could travel alone inmand and the society would appreciat
One or two readers have written
sealers, just as for pie, wash it, pack in
ears past with Fresh Air children weredirty, untruthful, sometimes dishonest ti at all pleasant to have around, last the next spring. I do mine up the Such cases, unfortunately; sometimes recipe for butter-scotch pie which is very children out clean and arees to send che nice. Three-fourths of a cup of brown and they try to see that no child will be yolk, using white for frosting, butter the other children in the home. But bad beat butter, yolk of egg, flour and sug, morals are sometimes so eleverly con- until creamy then take three-fourths cup
$\qquad$nake us trouble? And even if we do get

$\qquad$
$\qquad$
$\qquad$
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$\qquad$
$\qquad$
aress is the same as last yea
Browne, treasurer; Dr. Francis Duffield,In writing be sure to give at least onehe will be at extra pains to send yoish board and lodgings.
Buttermilk Pie and Words of Pralse
ssue of Michigan Farmer that Northernwo eggs; on
to the Michiga
nd would not know how to keep house
Household Editor:- Bangor.
paper and like it very much.

MALTESE CROSS DRAWNWORK DESIGN.
as, wheels, bows, clover leaves, and the as, wheels, bows, clover leaves, and the like, and one of these figures might be used in al

## KEEPING UNFERMENTED FRUIT

 UICES SWEET.The following method for preserving fruit juices of all kinds and keeping them sweet and wholesome for indefinite peguarded jealously by been for centuries ing their famous wines
If sweet cider is desired kept either for a beverage or to be subsequently emter at any time, select two-thirds apples and one-third sub-acid as sweet be ground and pressed for the liquid This is left to settle 48 hours in barrels
The or casks and is then carefully drawn off above the settlings. The sweet juice is then strained carefully through two or more thickenesses of muslin to further


## Anty Drudge saves John's shirts

Mrs. Field-"My John has become so fussy since he started to take Mame Klauder out buggy riding, that I believe he has more shirts in the wash than all the other boys put together. Why, I sometimes have a whole boilerful of shirts on the stove at one time. And they don't seem to wear any time at all." Anty Drudge-"It's not because John is hard on his shirts that they wear out. It's because you boil the life out of them. No shirt can stand that. Why don't you use Fels-Naptha Soap-you need use only cool or lukewarm water-then see how much longer the shirts will last."
There is no drudgery about spring cleaning done the Fels-Naptha way. Why don't you try it? Fels-Naptha Soap cleans everything-carpets, oil cloth, woodwork, windows, paint, pots and pans, dishes, just as it does clothes.

You don't have to use hot water; simply cool or lukewarm. It dissolves dirt as the sun melts snow, but does not eat it like a chemical compound. Will not harm the most delicate fabric or the tenderest hands. Try it for housework as well as for washing. Full directions on the red and green wrapper.
For full particulars, write Fels-Naptha, Philadelphia

Pas A Sampler of Maltese Cross Drawn Work in Medium-weight Linen.
sparing of the bastings, but secure the mediately in a copper kettle and heated
linen to the pasteboard in a firm man- gradually to the boiling point, at once
ner, so that it will not pull loose right m removed and again strained. Then into
the midst of the work.
The outer edges of the work are now hot iles, or casks, etc., it is pottles are used, they are filled
hemstitched in parallel clusters, 12 to until only about one-half inch of air
the inch. As the corners are reached in space remains in. the necks, tight corks
this process carry the floss diagonally are pressed firmly in place, crowding
across the space, thus starting the filling them downward until half way down the
spokes for these openings. When the neck this leaves a space of say half an
hemstitching is done carry another inch over the cork unoccupied, into this
thread straight across the corner space a wax made with equal parts of melted
through the center and on through the resin and tallow is poured while also
clusters, knotting every six of these into quite hot, allowing it to fill and gradu-
a group at the center. A short distance ally run over the top where it readily
from this central thread carry another hardens, thus making a hermetically
slightly diagonal across the corner space, sealed air and germ proof receptacle.
lnotting it to the single clusters of the The bottles or cans are then washed in
groups just outside of the central thread. warm water and placed necks down in a
Treat the other side in like manner, the cool, dry and dark cellar where they
two threads crossing each other between should remain until desired for use, when
groups. Two more threads are then run even though years may have elapsed,
just outside of these, one at either side, except for a slight sediment, they will be
knotting as before, and crossing between found, wnen used, sweet and seemingly
groups in the same way. Still another as fresh as the day they were first pre-
pair of threads must now be carried out- pared. All such liquids should be used
side of these, and in the same manner, immediately as they soon get sour on
thus making the three threads on each exposure to the air.
side of the central thread.
We are now ready for the weaving. used in fruit preserving, the danger that
Tie the end of a strand of the floss the fruit acids may generate mineral
around the filling threads where they poisons from the copper has brought into
cross earh other between groups, and use other and better cooking utensils.
 wise arms of cross, ond lengtheach of the side arms. One section mus rows being made. When the arm is finweaving to center again, and proceed in this fashion. The larger one at the threads and manner of ending the work Seven threads are used at either side
and nine for the remaining arms of these devices, and when the weaving has been carried out for about a quarter of an and the we on the remaining threads; then two more are omitted, and so on until only three Filling scribed for this sampler are also adapted

HAPPENINGS OF THE WEEK (Continued from page 429) of the present rates. It is expected that
the new rates will go into effect after the
first of October: Commissioner Lane

THE MHCHIGAN FARMER.



Take Notice



 Geo. Geodchild, Lansing, Mich.
\$ 4 Puts a Set of STEEL Wheels on Your Wagon Empire SteelW/heels delighted. Lifo severs for men and horses. Book free.
EMPIRE MFG. CO.; Box 435 . Qulncy. HII. CORM
 tures of harvestor. Address.
NEW PROCESS MFC. CO.,
CORN HARVESTER - watax AGRICULTURAL LAME

AGRICUETURAL LIME


SCIOTO LIME \& STONB COMPANY

best farmers use printed stationery Rise to the dignity of sound business. 100 Note-
heads, 100 Envelopes. $1 \mathbf{1 0 0}$ - Cards, $\$ 1$ posituaid.
Neatly

EATENTS


Government Farmers. Wanted sod simptry

FaRMS and farm lanns FOR SALE OR EXCHANGE

 Beaulituly. Hlustrated Booklef about Dofawarapo thow WHY PAY RENT (uazicicis

1 Bring Buyers and Sellers Together. Farmas, basies


FARMS WANTEI ${ }^{- \text {Wo have direotb } h y+m \text { em Dont }}$


300 Acre Lake Farm $\$ 2300$
Growing Crops and Tools sucluded.






THE MICHIGAN FARMER.

MARKETS
DETROIT WHOLESALE MARKETS.
July 17, 1912.
Grains and Seeds. Wheat.-The downward trend of the
prices noted a week ago has continued, prees noted a week ago has continued,
the greatest margin of loss being with
the futures. The decline is due chiefly
to weather conditions which are pushing the snring wheat crop of the northwest
and finishing the wiriter wheat. In the southwest threshing is showing good re turns from fields that were despaired of
earlier. The bears are taking advantage
of the situation by heralding exaggeratng statements of crop conditions, pre-
Sumably to get hold of the bulk of the
crop as early in the season as possible. crop as early in the season as possible,
They declare the present outlook prom-
ises more than enough wheat for home
consumption, which will make it necessary to reduce values to an exporting
basis to dispose of our surplus. Farmers seem reticent about accepting this in
terpretation of conditions and are not threshing is
anticipated. One year ago the price for
No. 2 red wheat was $851 / \mathrm{c}$ per bu. The
visible supply shows a decline of about one and one-third million bushels.
tations for the week are as follows:

Thursda Friday Saturda Monday<br>Monday Tuesday Wednesd<br>\section*{Corn.-Up until Tuesday of this week the corn trade was sufficiently strong in itself to resist the influence of the down ward trend of wheat. The outlook whicn has been improved by the recent warn} weather, is not flattering. The amount of stock in dealers' hands is small and exchanges are few and of limited volcorn was $671 / \mathrm{c}$ per bu. The visible sup- ply shows a decrease of 983,000 bushels. Quotations are as follows:


 trade siow.
Straight
Patent Michigan










## 

 choice, $8 @ 9 \mathrm{c}$ per lb.
Cheese.-Steady except that domestic
Swiss rules lower. Michigan fats, $16 @$
17 c Y York state, flats, $17 @ 18 \mathrm{c}$; limburger,
$17 @ 18 \mathrm{c}$ domestic Swiss, 22@23c; brick cream, $171 / 2 @ 18 \mathrm{c}$. ${ }^{\text {Fruts }}$ and Vegetables.
Cherries. Sour are quoted at $\$ 1.50 @ 1$
1.75 per $16-\mathrm{qt}$. case; sweet, $\$ 2.25$ per 16 -Raspberries.-Prices steady to higher.
Supply is fair. Reds selling at $\$ 4.50 @ 5$ per 24-qt. case.
Blackberries.-Not plentiful and higher.
Ruling quotations are $\$ 1.50 @ 1.75$ per 16-
qt. case. Huckleberries.-Selling at $\$ 2 @ 2.25$ per
$16-\mathrm{ct}$ case, which is an advance over last week.
Gooseberies.-Firm at $\$ 2 @ 2.25$ per bu.
Honey.-Choice to fancy comb, $15 @ 16 \mathrm{c}$


## OTHER MARKETS











Butter.-There is litile change in this
trade. Quotations: Creamery, special ..... extras, $27 @ 2714 \mathrm{c}$; do. firsts, $26 @ 261 / 2 \mathrm{c}$; do
seconds. $25 @ 251 / \mathrm{c}$; factory, current make,
firsts, 23 c per. 1 b .
frst, $19 @ 20 \mathrm{c}$; western gathered whites,
$19 @ 23 \mathrm{c}$ per dozen.
Poultry. Dressed, steady. Western
broiler, fresh killed, 24@27c; fowls, $15 @$
17c; turkeys, $16 @ 17 \mathrm{c}$ per 1 lb .
Wool. - The advance in wool is not fic
titious but seems to be based upon the
law of supply and demand. Statistics inlicate that domestic wool will be shor
ky twenty to thirty million pounds. On
the other hand, consumption is going on
60 during the past five years. With thisers are not hesitating about paying the
higher values being asked by brokers.
This gives a genera air of satisfaction
to the trade, especially from the stand-
have advanced combings and $1 / 4$-bloods
There has been little
activity in Michigan wools and it is diffi-cult as yet to make comparisons. Mich-
igan 1/4-blood is quoted at 29@30c on the
market here; 3 -blood combings, 29@30c
and $1 / 2$-blood combings, 28@29c.
Butter.-Market is firm at 25 c per lb .,
(Special Report of Dunning \& \& Ste Stevens
New York
Receipts of stock here today as follow
Cattle, 115 cars; hogs, 80 double deck
sheen and lambs, 25 double decks; calv
1,250 head.
With 115 cars of cattle on our market
here today, the handy weight butcherhere today, the handy weight butcher
cattle of all classes sold $10 @ 15 \mathrm{c}$ higher,
while the best heavy weight cattle were

pric
tak
lan
solo
mo
@1sold well enough, other kinds of steers
moved surprisingly slow, going about 10
@15c lower on an average. Hogs were
about a nickel higher early, but it was
largely a speculators,about a nickel higher early, but it was
largely a speculators market, and the
later sales did not look much of any bet-
went at $\$ 7 \omega 7.721 / 2$ L. Last week's. hog re
ceits averaged in weight $238.1 \mathrm{ls} .$, com
pared with 230 lbs. ai year ago and 24
lbs. two vears ago. The sheep and lamb
lis.
 strongly discriminated against by buy-
ers. Prices had some fair advances and
also some breaks, with local packers tak-
ing a bearish stand and contesting up-
ward movements. On Monday a con-
signment oi 249 head of strictly choice signment of
mig-1b pigs, most of them roasters,
brought $\$ 7.25$, all being healthy and ship-
ped in from an Iowa point largely be-
cause of a searcity of corn. At the close
 not much week hogs sold at $\$ 6.95 @ 7.65$, or
Pigs sold at $\$ 5.80$ from a week earlier.
8.25 , boars at $\$ 3.35$, stags at $\$ 7.60 @$ 8.25, boars at $\$ 3.85 @ 4.35$, stags at $\$ 7.60 @ 1$
outs at $\$ \$ @ 6$ and thent throw-
at $\$ 6.25 @ 6.85$ and throwout packing sows and Monday last week only 16,993 sheep
ho rangs were received, and prime Ida-
hambs brought $\$ 8.15 @ 8.25$, adho range lambs brought $\$ 8.15 @ 8.25$, adthe best natives brought \$8. Later in
the week there were severe declines in
prices under liberal offerings of range prices under liberal offerings of range
lambs from Idaho, Washington and Oregon, as well as plenty of native lambs,
with a less urgent general demand. There was a fair showing of native ewes and
western range yearlings, with some range
wethers, and the usua, wethers, and the usual, offerings of na-
tive bucks. The week's receints show enormous gains, and while sheep did not go off so much as lambs, the genera
market closed in bad shape, the packers receiving extremely large supplies of
lambs direct from Louisville. Native ewes fetching $\$ 3.75 @ 5$. Native yearling weth ers hrought $\$ 3.50 @ 5.60$, and bucks sold at
$\$ 2.50 @ 3$ while Oregon feeding yearlings
brought $\$ 4.25$. Lambs sold at $\$ 4 @ 7.25$, feeders being wanted at $\$ 5 @ 5.65$. Horses were marketed last week in
exceedingly moderate numbers, and more been sold advantageously at firm prices,
but inferior animals were hard to get rid
of and sold in some instances much low-
er. Farm horses were wanted to ship to Wisconsin and other states, and sales
were on the basis of $\$ 100 @ 2000$ per head
for animals weighing from 1,100 to 1,450
lbs., with the best demand for good
horses that weighed 1,400 lis. or over. Inferio horses were quoted around $\$ 850$
95 , while the best heavy drafters were
scarce and largely nominal at $\$ 275 @ 325$. One attractive team of blacks that ag-
gregated considerably under 3,000 lbs. in
weight brought $\$ 630$, and buying orders for good pairs of drafters at $\$ 500 @ 525$
nad to go unfilled. Chunks that weighed
from 1250 to 1,450 lbs. were salable at from 1,250
$\$ 150 @ 200$.

## IVE STOCK NOTES.

The steadily growing country ship-
ments of aged and thrifty sows to west ern markets is a pretty good indication
that many stockmen throughout the corn year's gilts for future litters of piss.
Some observers have estimated that from at thicago consisted of day's heavy fun
athersith a big
share of them of last year's crop. To a more or less degree similar reports have ets. Experienced stockmen believe that
thrifty sows are now and will continue to
be for some time to be for some time to come an extremely
valuable asset on the farms of the coun-
try, and it is believed that marketing
them now will be followed by regrets Thomas Foy, of Sycamore, one of the
most extensive of Illinois silage feeders to cattle and sheep in the entire state,
was on the Chicago market on a recent
Monday with a car load averaged around 1,350 lbs, that sold at
$\$ 9.35$ per 100 lbs . They were the last of a bunch of 268 head of cattle that Mr.
Foy has fed this, season. Some previous
shipments sold up to $\$ 9.40$. Mr, Foy has made a study of the silage question, and
is one of the strongest advocates of this
feed for producing beef and mutton in The great reductions that have taken
place in prices for stocker and place in prices for stocker and feeder
attle in recent weelsispailed to bring
about much of an improvement in the demand at Chicago and Missouri river
markets, with the rank and file of such cathe offered at from 50 c to $\$ 1$ per 100
lbs. under the best time of the present
year. Pasturage is first-class in most slow to take advantage of the market,
and one reason advanced is that corn
planting sot an unusually late start, renA chronicler of events in the Chicago
live stock market observed several days
ago that live stock prices must look good ago that live stock prices must look good
to the country, otherwise less precipitancy to cash in would be noticeable.
Thiry per cent of the receipts of cattle
on a recent day, says this observer, ware a mere handful of finished steers. Litcle
cattle that weighed less than 1,000 lbs.
were offered liberally, with the cause their presence a mystery. Perraps a
good answer would be that prices
tremely s tremely high, and owners are fearful that Haste to get the ready cash has brought choice bullocks were commanding the highest prices on record.
D. M. Riggs, a sucessful farmer and
stock feeder of Muscatine county, Iowa, a consignment of 43 head of beef steers
that averaged only 1,046 obs., yet they brought the handsome price of $\$ 8.25$ per
1.00 lbs. He said that the cattle were yearlings and were far from finished, but with the packers hanging up good prize
money, with corn selling at nearly the highest prices on record, and a good
profit in sight, he was induced to markec d his young cattle in an unripe condition. that another light hay e corn was a fairly good outlook for the

JULY 20, 1912
THIS IS THE LAST EDITION.

## $$
\begin{array}{ll}  & \text { Cattle. July 18, } 1912 . \\ \text { Receipts, } 841 . & \text { Market active and } 15 \end{array}
$$

DETROIT LIVE STOGK MARKETE

$$
\begin{aligned}
& \text { Receipts, } 841 \text { Market active and } 150 \\
& 5 \mathrm{c} \text { higher than last week. }
\end{aligned}
$$ We quote: Extra drys steers, $\$ 8 @ 8.25$

steers and heifers, 1,000 to $1,200, \$ 6.50 @$ and hei ers that are fat, 800 to $1.000, \$ 5.5$ cows, $\$ 5$; good fat cows, $\$ 4$ (@4 40 . on cows, $\$ 3 @ 3.50$; canrrers, $\$ 2.50 @ 3$ 3 olognas, bulls, $\$ 3.50 @ 4 ;$;ock bulls, $\$ 3.25$
$03.50 ;$ choice feeding steers, 800 to 1,000 , $\$ 4.50 @ 5.25 ;$ fair feeding steers, 800 to
$1,000, \$ 404.25 ;$ choice stoekers, 500 to 700 . \$4@4.50; fair stockers, 500 to 700 , $\$ 3.25 @$
3.50 ; stock heifers, $\$ 3.25 @ 30$, mikers, Roe Com. Co. Sold Mich. B. Co. 1 bull
weighing 1,330 at $\$ 450,1$ do weighing 673 weighing 1,330 at $\$ 450$, 13 do weighing 670 at $\$ 4,2$ do av 740 at $\$ 4$, 11 butchers av
770 at $\$ 5,19$ do av 78 at $\$ 5.15$, to Goose
8 do av 395 at $\$ 3.75$; to Sulivan P. Co.

THE MICHIGAN FARMER:


Karcher sold Newton B. Co. 11 av 165




sway from side to side. She drinks lots
cf water, has perhaps some fever and
does not eat well. We have kept coid water on head thinking perhaps she was
affected by heat. C. W. M., Burt, Mich.
-She is suffering from congestion -She is suffering from congestion of
coverings of spinal cord and will be ben-
efited by keeping her head cool, applying
$\qquad$
$\qquad$
$\qquad$
$\qquad$





$\qquad$ Cattle.
Receipts this week, 1,112; last week,
1,045. Market steady at Thursday's


 Receipts this week, 1,686; last week,
1.733. Market steady with Thursday; run
very light. Best lambs, $\$ 7.50 @ 7.75$; fair
to good lambs, $\$ 6 @ 7$; light to common lambs, \$4@5
good sheep,
mon, $\$ 1 @ 2$.

### 2.973. Market, quality considered, steady with Thursday's prices. Range of prices: Light to good butchers, $\$ 7.60$ @7.70; pigs, $\$ 7.25 @ 7.40$ light yorkers, $\$ 7.40 @ 7.55$; stags one-third off

 LIVE STOCK NOTES.Joseph Culbertson, of McCool Junction,
Neb., one of the largest eattle feeders
of that region, has fattened three car
loads of steers recently and cleaned up
close to \$1, opo proft without feeding any
corn. The cattle were fed exclusively
molasses feed and alfalfa hay. hat
A ranchman who for a quarter of a
century was engaged in catule ranching
in Montana, says he was compelled o
abandon the business a few years ago
on aecount of the high price of labor and
short hours of work. In Montana eight
hours is a legal day's work, and \$3 is the
standard day's pay.
R. I. Bilby, of Quitman, Mo. one of
the lrig farmers of the northwestern part
of that state, has 5,000 acres of land in
corn, which is said to be one of the larg-
est acreages in that grain belonging to
one man in the entire eorn belt of the
country. Besides farming on an exten-
sive scale. Mr. Bilby also feeds a large
number of cattle. He says he never saw

ment due to an invasion of a streptocoethrough navel of colts, usually occurring
from three to 15 days after the birth of from three to 15 days after the birth of
the foal. The filtier the stable and the
poorer it is ventilated, seems to aid in poorer it is ventilated, seems to aid in
this infection of young colts. However,
it this infection of young colts. However,
it does not always follow that the colt
must be kept in a filthy place to become infected, fo
where the
$\qquad$

CONDUCTED BY W. C. FAIR, V.


Congestion of Spine.-I have a mare
that worked on farm last spring and
summer up to July 2 , showing no sickthat worked on farm sast spring and
summer up to July 2 , showing no sick-
ness, but was rather cumpish on evening
of July 2 and July 3 , seemed to give out


## ails my horse and if so what is the rem- edy. He eats wheat and oats daily and is very stiff in fore feet. R. G., Bad Axe

 soda, 2 drs. nitrate of potash and 2 or or 3drs powdered licorice; also feed him grass two or three times a day.
Pin Worms. -We have a mare that will



Stop Guessing.Weights
like policy is to weigh all you buy and
Fairbanks Scale
High prices for crops and live stock


You Should Buy a BECAUSE Its weights are never questione
Fairbanks Scale BECAUSE $\begin{aligned} & \text { It is easily kept in adjustm } \\ & \text { It will last a lifetime. }\end{aligned}$ The features of Fairbanks Scales that place them above compe-
tition are given in Catalog No. SD601
Write for a copy.
Fairbanks, Morse \& Co.

## POULTRY ${ }^{m 0}$ BEES

TEACHING YOUNG CHICKS TO ROOST

Chicks, whether reared with a brooder or with the mother ben, must be taught to roost and sometimes this becomes quite a task If neglected they seek a where they are exposed to the attacks of night marauders. When fall comes the survivors must be caught one by one and put in the poultry house forget their former bad habits.
The best way is to drive the mother with her brood in the direction of the desired roosting place as soon as the chicks are big enough to perch. She bedtime and they will follow without any trouble. After a few nights all will go in and seek the perches without assistance. Brooder chicks can be carried to
the desired place at any time after they require no further hovering.
Young turkeys early in life display the Young turkeys early in life display the
perching instinct which should be gratiperching instinct which should be grati-
fied as soon as possible. They should not be left to find a lodging in the trees suspended about four or five feet from the ground will prove just what they flying flesh-eaters will not be so likely to spy them and the pole should be high
enough to be out of the reach of prowlIn some iocalities skunks make trouble by getting into the chicken coops during close fronts of wire screen should be hinged to the coops and fastened down
securely every night.
Genesee Co.
USE OF MUSLIN IN POULTRY HOUSE The accompanying illustration shows a has given me the best of satisfaction aferal types of houses but like the muslin. front best of all. I have one open-front
house but somèhow I can not recommend house. but somehow I can not recommend here is snow on the ground, or if it is nowing and the wind is blowing, more is objectionable. aving large

 have experienced, the mercury going as and your method of doing business. maining at zero for several days. With
all that I had no frozen combs.
The colony house shown is $9 \times 12$ feet
and built of single walls, weather-board-
ed with tongued and grooved siding. My
hens in this house, and another like it,
last winter continued to lay eggs right
along, as has been the case every year
since I have used these houses. Little
frost is ever seen on the walls and if any
collects it soon disappears, as there is
a geod circulation of air and the sun can
penetrate the walls.
Last fall I built a large poultry house
on the plan of this one and can not, in
fact, speak too highly of muslin-front
houses. I have never used anything but
muslin, although some prefer burlap, but
either one is satisfactory for the curtain.
It is common, in the building of muslin-
top of the building. I do not think much of that method for this reason: Heat rises, and if the muslin is at the top too much heat will be lost which might to advantage be used in the house. Carbon
dioxide, a poisonous gas given off in the dioxide, a poisonous gas given off in the
breath of the fowls, falls or settles downbreath of the fowls, falls or settles downward. This is what we want to get rid
of and I claim the muslin-front with muslin at the bottom of the building, will let much of this gas escape I have always found the health of fowls excellent. In fact, I have had be most of roup develop in these houses, but at different times have placed affected hens in these houses and they seemed able to overcome the trouble without further Massachusett. The experiment station of could be cured by fresh air. In summer the windows and muslin are removed and the doors left open, so that the fowls
have an abundance of fresh air and are Coolly housed.
In conclusion: I believe the muslinront house will be found satisfactory in the far north but as yet I am somewhat earcul of the open-front houses, I may speak too strongly of poultry houses having a muslin front, with muslin at the bottom, and if anyone desires further in be cheerfully given through these col umns.
Ohio.

SEASONABLE SUGGESTIONS
Some poultrymen take up their surplus them with no previous preparation. This is an unwise practice for, while a smal much greater profit will be realized it they are caponized and sold when fu! 50 c per $1 \mathrm{~b} .$, according to where they ard sold, it will be apparent to anyone who profitable. Not only this, but when one disposes of his cull cockerels alive on of them used as breeders in the yards of the purchaser. This is often damaging if someone bought one of your cull cockerels on market-a cockerel that you and decided to use him in his breeding pen, what would be the result? This party would tell it around that this cockchased from your. This would give a bad impression of the qua

# Raise the Good BIG Wheat 

$T T$ is as easy to grow big money-making crops of good wheat as it is to grow ordinary crops of small spin dling wheat that never pay anybody any profit. It costs no more for seed, planting or cultivation.

## A.A.C. Co. Fertilizers

make the difference. Fertilize and increase the productiveness of the soil. Every bushel raised in excess of the usual crop means that much gained and gives you a great advantage over those farmers who are farming by old methods and do not feed their crops. By building up the fertility in the soil you directly make more profit and at the same time increase the valuation of your farm. You gain at both ends. Land value is based upon the productiveness of the soil.

We have spent fifty years and a great deal of money to find out how to make the right kind of fertilizers for wheat and all other crops, and the farmer cannot go wrong when using
A. A. C. Co. Brands.

While the supply lasts we will furnish this season a special composition for wheat

## BANNER BONE FERTILIZER

## WITH POTASH

guaranteed total phosphoric acid $24 \%$, available phosphoric acid $20 \%$, actual potash $4 \%$. This brand is a big crop maker and money saver to the farmer.

Send us postal card and you will receive
in return 52 page book on Fertilizers and
"How to Fight Drouth with Fertility.
WE WANT AGENTS FOR UNOCCUPIED TERRITORY
The American Agricultural Chemical Co.
Detroit Sales Department, Detroit, Mich.

## LIGHTNING RODS

WWN:
R.C.B. LEGHORN EGGS ${ }^{62} \mathrm{C}$ Per Foot (ork. Milington, Mich Crystal White Orping'ons ${ }^{-1 \text { the }}$ Breat winter layers. WILIIS HOUGH, Pine Orest Farm, Royal Oak, Mich. Order Booked for Singlo oomb Biff


Prize Winning Earoed Rocke R. I Rede Mam.

 LILLIE FARIISTEAD POULTRY

R. C. and S. C. RHODE ISLAND REDS

DOGS
30 Pure Bred Fox Hound Pups $\begin{gathered}\text { ready to ship in May } \\ \text { d June. Some trained }\end{gathered}$
hounds. Send stamp. W. E. Lecky, Holmesville, Ohio.
Please mention the Mitchigen Parmer when
writing to advertisers.

## PRACTICAL SCIENCE.


matter. In the case of hay, 30 to 50 per
cent; in the case of ensilage, 20 to 40 per cent; in the case of ensilage, 20 to 40 per
cent. The standards as promulgated by cent. The standards as promulgated by
Kellner for a farm animal weighing 1,000 Kellner for a farm an
lbs. are given below.
Based on One Thousand Pounds Live Based on One Thousan
Weight.
For the maintenance of a mature steer neither gaining nor losing weight, there
was required from 15 to 21 lbs. of dry was required from 15 to 21 lbs . of dry
matter and .6 lbs . of digestible protein, and a starch value of 6 lbs . For a fatening steer, from 24 to 32 lbs . of dry and a starch vaiue of from 12.5 to 14.5 lbs.; a milch cow yielding 20 lbs . of milk 1.6 to from 25 to 29 lbs . of dry matter 1.6 to 1.9 lbs digestible protein, with 9.8 yielding 30 lbs . of milk daily, dry matte from 27 to 33 lbs. digestible protein from 2.2 to 2.5 lbs . with starch value of 11.8 to 13.9 lbs . a cow yielding 40 lbs . of milk daily, from 27 to 34 lbs. dry matter, from starch value of from 13.9 to 16.6 lbs .
It will be seen by the above standard that a $1,000 \mathrm{lb}$. steer at rest, neither gain vided with nutrients with a starch val ue of 6 lbs . In other words, the daily requirements of that animal require feed
to the equivalent of 6 lbs . of digestible starch. With that steer under fattening conditions the feed must be increased practically double in quantity. In other words, the nutrients should be equivalen
to from 12 to 14 lbs. of digestible starch We have given, along with this table Kellner's figures regarding the amount of protein needed at the same time and
we must emphasize again that if th reader plans to compute his ration on starch basis, according to Kellner, $h$ must not lose sight of the fact that they are figured in terms of starch merely fo convenience and that the minimum
the feed as we have discussed heretofore

## LABORATORY REPORT.

What is the difference between am best-that which has a lot of ammonia and get a catch of clover? Which fer tine or that which is ground coarse?
Huron Co. Huron Co.
The difference between ammonia an nitrogen and hydrogen, combination of the symbol NH3, that is, one part nitro gen to three parts hydrogen. The usua tilizer as is sulphate of ammonia, that is, a combination of ammonia with sul phuric acid, written (NH4) 2SO4. Nitr nitrate. The usual fertilizing substance known as nitre is sodium nitrate, some times called Chili salt petre. Its formula
$\qquad$ Nitrogen in the form of ammonia or
the form of nitre is usually given about the same commercial valuation, depend-
ing entirely upon the amount of nitrogen of course, present in the particular fer
tilizer. Both forms are entirely soluble in water and consequently are considere cation to a growing crop, such as whea is in nitre or salt of nitrates, that ne nitrogen in the form of ammonia. considered better than those which are coarse. The reason for this is that th
fineness of division, that is, fineness grinding, influences very favorably th a fertilizer finely ground is more readil avaiable
ground.

## CATALOG NOTICES.

"How I Became 'Tire-ly Satisfied,"
Srod by the United States Tire Co
Sroadway and 58th street, New York
This booklet will be of interest to ever This booklet will be of interest to ever mobile. "Better Corn for Ottawa," is the mot the Ottawa County Corn Club an Western Pomona Grange, this being port on the work of the past year.
Mr. John A. Thomas, of Penfield, Mich in renewing his subscription for three
years says:, "The Farmer gets better
every issue."

## Stop this Loss

Wheat correctl fertilized.

From one-quarter to one-half of the wheat acreage has been abandoned in five states that produced about one-third

## of our winter wheat.

> This means a loss of about seven million dollars for seed alone and several times this for preparing the ground and sowing. A well-fed plant can better resist unfavorable surroundings.

## POTASH <br> Good fertilisation means enough fertilizer of the right kind. With

 good rotation three hundred to four hundred pounds per acre is enough provided a reasonably high-grade formula such as $2-8-6$ or o-10-6 is used. The low grade $1-7-1,2-8-2$ and $0-10-2$ formulas are out of balance-cost too much per unit. Urge your dealer to carry high-grade formulas, or to buy some potash salts with which to bring up the potash content to a high grade. One bag of Muriate of Potash added to a ton of fertilizer will doIf you prefer real bone or Bone Meal in place of acid phosphate try a mixture of 1700 pounds of either with three hundred pounds of muriate of potash. You will find that Potash Pays.

These high potash mixtures produce better wheat and clover, heavy grain and stiff straw.

> We selldPotash Salts in any quantity from two hundred pounds up. If your dealer will not get potash for you write us for prices and for our FREE booklet on Fall Fertilizers.

GERMAN KALI WORKS, Inc., 42 Broadway, NEW YORK

## Flies! Flies! Flies!

Get rid of them and help make your home and premises sanitary by the liberal use of Tanglefoot Fly Paper. There is fully one-third more compound per sheet on Tanglefoot than on any other fly paper; hence it lasts longest, catches the most flies and is the best and cheapest fly paper. If you ask for "fly paper" or "sticky fly paper" you may get a cheap imitation that will soon dry up or glaze over. Ask for Tanglefoot.

> Sold by Grocers and Druggists.

TREE TANGLEFOOT, put up in 1, 3, 10 and 20 lb . cams
Will protect your trees from all climbing insects.

## You'll Be Enthusiastic, Too



When writing advertisers please mention The Michigan Farmer.

## HORTICULTURE

IS THE ILLINOIS, OR "BLISTER CA

ATTENTION has been calied in a
recent number of the Michigan Farmer to a circular of the Ohio Experiment Station upon a serious limb tain parts of Ohio.
Since many horticulturists in this state are interested in this item, it may be
well to interpret this to fit Michigan conditions. It may be well also to describe again the symptoms of the disease and question.
The Illinois canker was first described from Illinois as a serious apple disease,
whence the name Illinois canker. The to the canker under the name blister produced upon the apple limb. The disdition by a number of circular projec tions. These projections grow out from
$\qquad$
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$\qquad$
$\qquad$
$\qquad$ which makes no food for 1tself, but steals
its food from another plant. The Illinoss
canker fungus denends upon the tissues
of the apple limb for its food. Entering
through a small injury in the bark, the fungus gradually grows, throwing out a
thread here and there until it occupies a time there will be no blisters, but the
limb might show wilted leaves, if the
fungus has girdled the branch.
The fruiting stage is then produced
This is the stage in which the fungus is
$\qquad$
$\qquad$ each flask-shaped chamber great numsack contains a number of spores. The
spore is the part of this minute anatomy
$\qquad$
$\qquad$
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$\qquad$

Although this disease is common in
Nebraska, Illinois, and Ohio, it has been
found only once in Michigan. This infound only once in Michigan. This in-
stance was noted by the writer last stance was noted by the writer last
spring, when some limbs were found in spring, when some limbs were found in limbs were some that had been removed the fall previous, and a careful search the disease. Therefore, a word of explanation must be said in this connecvery we have here a disease which is south of Michigan, yet it has been found only once in the state, and no fruit edge, complained of its ravages. It would seem then, that although the fungus oc
curs in the state and may be wide spread, so far the damage has been It is my opinion that the more north ern states are less affected by this fun
gus than are the southern states, and
 this opinion has some confirmation in the
statement made to me by Professor Lew-
is, of the Maine Experiment Station, who says that the fungus occurs in Maine,
but does no great amount of damage. conditions is presented in Michigan. essentially different from Ohio, and it in that section. It certainly would be
well worth the horticulturist's time and trouble to inspect his orchard carefully, and if he finds suspicious cankers to send them to the Department of Botany
at the college for examination. This exand if the disease is found, a personal A careful inspection of your trees and a
verification of your suspicions will be
well worth your time and trouble.
$\qquad$
AMONG OUR STRAWBERRY PLANTS IN SUMMER TIME. Frequent cultivation the remainder of
he summer will fit the strawberry bed or its next year's work. The plants should now be thriving luxuriantly. The
vest will be next summer. To secure
a strong healthy growth, frequent culti-
vation keeps the ground free of weeds and conserves soil moisture for the use
of the plants. This insures a mellow, friable and well aerated condition of soil
so conducive to both soil and plant life. To maintain the highest efficiency in this respect requires soil stirring as often as
once a week, and in some instances as often as once every fourth or fifth day. stirring necessary only one or two days one can for one single day must the sun be lowed to pump water unhindered from obtain the best and most profitable results.

In ane row culture 1 prefer the style of row permits the working of the
field with horse tools. This makes a
saving of both time and muscle. With aving of both time and muscle. With nuisance is often serious. Second, the greatest crops of highest quality are to oe secured by this plan of row, as each
plant is allowed room for full development. Third, a field of plants in the
double-hedge row makes a more beauti-double-hedge row makes a more beauti-

SALLOW FACES

## fiten Caused by Tea and Cofee Drinking

 How many persons realice that tea nd coffee so disturb digestion that they duce a muddy, yellow complexion? a means, in thousands of casos, of clear ing up a bad complexionA Washn. young lady tells her expe-
"All of us-father, mother, sister and brother-had used tea and coffee fer many years until finally we all had stom ach troubles more or less.
We all were sallow and trcubled with the mouth and all of many bundles of nerves. "We didn't realize that tea and coffee out of coffee and went to borrow some out of coffee and went to borrow some
from a neighbor. She gave us some Postum and told us to try that. "Although we started to maze it, we all felt sure we would be sick if we Postum and were surprised to find it delicious.
We read the statements on the pkg., got more and in a month and a half you able to digest our food without any trouble, each one's skin became clear, tongues cleaned off, and nerves in fine
condition. We never use anything now but Pestum Thera is nothing like it," Name given by Postum Co., Batt!e Creek,
re's a reason,"' and it is explained pkgs.
Ever read the above lettor? A new one appears from time to time. They are genuine, true,

A Plowing Outfit
That Backs Up and Turns Square


BATES TRACTION COMPANY,
Bates Street,
Lansing, Mich.
ALFALFA
A2F
Grain and Grass Seed wion FENCE PRICES BUSTED


$\$ 1.25$ pery for for GALVANIZED WIRE

BARB WIRE

FENCE CATALGUE FREE
a valuation of over $\$ 10,000,000$. The three

## Oregon produced by far the greater

heavier acreage of prunes in than of the country. Michigan is the
tion

THE MACHIGAN FARMER.

## GRANGE

Our Motto-"The farmer is of more first improved."

GRANGE TO PROMOTE AGRICULTURAL DEVELOPMENT.

A movement having as its object the advertisement of the agricultural resources of Kalkaska county had its bena Grange held May 21 last. This meeting was held with Excelsior Grange in Exelsior's comfortable Grange homer the hall and the group of progressive patrons shown in the photograph reproduced upon this page. A committee was appointed to prepare plans for waging an ef-
feetive campaign for the fuller development of the county in an agricultural way. The Master of this Pomona is D. M. E. Beebe.

NEW GRANGES IN THE VARIOUS STATES:
In National Seeretary Freeman's report of Granges organized and re-organized from April 1 to June 30,1912 , Pennsylstrongly, while the newer Grange states others are making encouraging growth. follows: organized.

|  |  |
| :---: | :---: |
| Colorado | Nebraska |
| Delaware | New York |
| Idaho | Ohi |
| Indian | Oregon |
| Lowa | Pennsylvania |
| Kansas | South Dakota |
| Kentucky | Washington |
| Massachusetts | Wisconsin |
| Michigan | Wyoming |
| Minnesota |  |
| Montana | Total |
| nized. |  |
| Michigan | West Virginia |
| Ohio | Wisconsin |
| Pennsylvania |  |
|  |  |

## AMaNG THE LIVE GRANGES.

A Volumteer program, in the absence of the lecturer, was a feature of the last
meeting of Harmony Grange, of Charle meeting of farmony Giange, of county, Two candidates were given
vaix,
degrees and the finance eommittee's reort showed more than $\$ 30$ in the treas-
pared Fcurth of July orations, most of
which, however, were along lines, similar
to which, however, were along lines, similar
to those followed by the sisters. The
latter, acting as judges, gave frrst place
to M. C. Oviatt by a narrow margin. A beautitul mounted United States flag was Morenci Grange held a Fourth of July
picnic at the pleasant home of Bro. and Sister Ira Smith, with 130 present. A
basket dinner on the lawn, musio and basket dinner on the lawn, musio and
athetice events, including a ball, game, were features of the day's entertainment.
Charlevoix Pomona met June 27 with Charlevoix Pomona met June 27 with
South Arm Grange, There was a good attendance from a comparatively small
number of Granges, Granges represented out of a total of
17 in the countys Geod roads was the principal topic discussed. After the pres-
ent proposition. had been, fully explained
by Commissioner H. L. Olney and others ose sentiment seemed to favor the prop-
osition but still opposed the original
proposition. It was deeided to go an with the building of the Grange rest ion, the master of the several Granges were appointed a committee to collect
funds for the purpose. The building is
to be $24 \times 40$ ft. and the amount of mon still needed is. $\$ 1775$. Contributions to the
fund may be sent to Sec. fund may be sent to Sec. L. D. Willson,
of Boyne City, or to Peter. Knudson, of
East Jordan. The entertainment offered
by the members of South Arm Grange by the members of South Arm Grange
Was, of the highest order, chieken pie and
strawberries and cream being leading strawberries and cream being leading
features. A musical program elosed the
exercises in the evening exercises in the evening. The next meet-
ing will be held with Bay Shore Grange,
Ang Aug. 22 - - L. D. Willson, See.
Eaton Pomona was entertained by
Oneida Grange in June, the attendance and programge in June, the attendance county organizationg A prominent pro-
count oram feature was an exeellent address gram feature was an exeellent address
by T. A. Farrand, who is recognized as the apple king of Miehigan, Mr. Farrand en locality will produce enough good ap-
ples, buyers will eome to that locality ples, buyers will eome to that locality
and insure a ready market for the pro-
duct: that there are several duct; that there are several good meth-
ods of marketing the crop and the farm-
er should adopt one of these and stick er should adopt one of these and stick
to it; that the farmer should familiarize himself with the written contraets before
signing same; that the farmer should signing same; that the farmer should
understand grading his apples; that sell-
ing on the tree offers the best method to
the farmer of disposing of his stoek the ing on the tree offers the best method to
the farmer of disposing of his stock and
witl give him the greatest amount of
clear profit; that the farmer should be clear prefit; that the farmer should be
honest in his packing and not put the
good ones at the top and the inferior stock at the battom; that honesty is the
best policy and applies to selling apples best policy and appies to selling apples
as much as it does to any other line of
business, and that spraying is of vital. business, and that spraying is of vital
importanee to the profitable production
of apples. "The Hub of the Wheel" was of apples. "The Hub of the Wheel" was
assigned to Mrrs. Dora Stockman, of Cap-
itat Grange, and the many apt sayings of the speaker made a most favorable
mpression. Mrs. Stoekman said she was
not a suffragette and described a suffragette as a woman who could throw a
stone and hit a window, but, admitted
that inasmuch as each saloonkeeper had that inasmuch as each saloonkeeper had

## FARMERS' CLUBS

FFICERS OF THE STATE ASSOCIA THN OF. EARM. Pres
Vice
Sohns
See
hns.-President-D. M. Morrison, St. Seeretary-Treasuren-Mrs © P John Direetors-C. C. L. Wright, Laro; E. W Woodruff, Blanchard: C. P. Johnson, Metamora; H. W. Chamberlain, White Spaulding, Belding.
Associational Motto-
The skillul hand, with cultured mind,
Associational Sentiment.-
The farmer, he garners from the soll

## SUMMER PICNICS.

The annual pienic of the Washington Center. Farmers' Club will be held Aug. dent, Mr. F. L. Cook. Club members and the neighborhood are cordially invited to
join the procession and go to the picnic.

## THE AMERICAN GOVERNMENT.

(Continued from last week).
Paper read by Valois B. Todd at the Warch meeting of the North Shade Farmby request of Club.
Another thing which has been the cause of a great deal of graft and corruption in the government is the strong
party affiliation and partisan feeling which has drifted down from the high strung passions of the Civil War, but large extent. One of the most prominent men in our national life says, "Old party names have lost much of their persuaand in that fact lies the great hope for the future of the nation. The principles above the principles and character of
those in controk of its organization. Part those in controk of its organization. Part-
ies have come into pewer as the advocate of popular rights and the opponencs of the privileged class, and their orga_-
izations have been seized by the political representatives of private financial and industrial powers and through their varprivate gains, rather than for the publie
$\qquad$ orators outwardly dwell upen the glories of the past and inspire the people with
the fervor of patriotic loyalty the corporation interests are bribing, bossing
and thieving within. This old party prejudice is many times so strong that it
obscures the vision and warps the judgment. The voter has his eyes so firmly
fixed on the party name that he tramples all rightequs principle under his feet.
The progress which our nation has made in a material sense is far beyond It has swept from the Atlantic to the public. When we consider the extent of
its domains, its genial climate, its great natural resources, its industries and am-
bitious people, we realize it could not help but be the richest and most power-
ful nation on earth. Some few years ago when the questron of imperialism wa
being discussed some of its advocates deof destiny. That is somewhat different
than it was expressed by George Washington, when this government was start-
ing on its career. He said: "The destiny the hands of the American people:"
We must not mistake mere bigness for
$\qquad$
$\qquad$
$\qquad$ over to ease, pleasure and luxury and
the weakness and decay which rapidly followed. The methods of our govern-
ment might be reversed and all the prinpudiated, all its sacred founded be repast ignored, and still the country would be here with its hundred millions of inhabitants, with all its vast structural
work stil standing. The sun would still be shining, the rain would fall and bring orth the abudant harvest of the earth. maintained simply by material prospermaintained simply by material prosper-
ity. It is only as we adhere strictly to those fundamental principles of equitable and just government as laid down by the and just government as laid down by the
founders of our nation that we will make founders of our nation that we
progress that is worth while.

As we look at the signs of the times we take an optimistic view of the situa-
tion. We see the people waking up to vion. We see the people waking up to perils which threaten the government. That old partisan spirit which has been
stumbling block to good government stumbling bloek to good government
long is dying out, the people are beso long is dying out, the people are be-
coming citizens, instead of partisans. We oming citizens, instead of partisans. We popular government, taking the initiative in the affairs of the nation, throwing onsternation into the ranks of special terests. There is great prosecution of who take unlawful advantage of the public. One progress which we are making ward a more perfect government by he people is the substitution of the priary election for the old political conholds of the special privilege seeking, willing to delegate his right to vote the
ticket, then why should he delegate his ticket, then why should he delegate his
right to make it, which is of equal imartance. The initiative, the referendum several- of the states and which ire nation, are measures which will a sovereignty of the government to the people. Whatever our prosperity and rogress may be, we must ever keep in Eternal vigilance is the price of lib CLUB DISCUSSIONS.

W/in Take Summer Vacation:-The ing at the pleasant home of Mr. and
Mrs. Mortimer Osborn. About 40 gues S assembled and enjoyed the social hour,
the bountiful dinner and the program, which was excellent but short, consisting
of music by the young ladies choir' which was much enjoyed, and a fine paper by,
Robt. Ross, on "Practical Patriotism," showing us how far we have fallen from
the high standards of patriotism which inspired the founders of our greac republicaticnt to the Michigan Farmer for Discuss Woman Suffrage.- The Salem the pleasant home of Mr. ane Mrs. Webb Also a solo, by Mrs. H. Munn. The prinbox, conducted by Chas. Ross. The tion, "Shall we men vote to give the Thompson answered decidedly in the afhave as good a right to say what laws the ignorant foreigner-who knows noth-
ing about our institutions or needs. Mrs. An the affirmative of this question, the
on privileges of an American citizen. Mr.
Chas. Ross added the thought that the
present corruption in politics would, he present corruption in politics would, he Practical Topics-Another question, raising and fattening cattle for the
market?", was iargely discussed. Mr.
Chas. Ross, Mr. John while $\mathrm{Mr}^{\text {Gr Gilbert }}$ Thompson and others
Spoke enthusiastically for the dairy, business. "How to exterminate rats," was
then discussed. Chas. Ross told af an
experiment in digging a treneh in their shown, though Erastus Perkins said the Farm Comforts.-The Napoleon Farm-
ers' Club met at Lake View, the pleasant
home of Mr. and Mrs. Eugene Bromley,
Saturday, June 15. The meeting was Pess. It was decided to go to Easi-
Point, Clark's Lake, for the annual pic-
hic, and have a pot luck dinner, the ead an excellent paper which we give in estment?", I will answer the question,
yes, because I think that money pad
out for home comforts is money well home the farmer is, or should be, at are in discomfort most of their time. folks on the farm thay to keep the young
well supplied with such the home want it and can afford it the propar
thing to do is to get it. I do not think or a home comfort that we cannot afchance of making yourself more uncomcussion of this paper, Mr. EHison, of the which the Club adjourned to partake of
most delicious strawberries and hosts of other good


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[^0]:    That was almost too much for one

[^1]:    Then there was old Widow Red-fur

[^2]:    BY pearle white m'cowan.
    Two little guessing contests that may
    be used successfully to add enjoymen to an evening's entertainment for the oung folks, are "
    For the first, "Advertisement Puzzles,"
    numerous pictured "ads," minus che
    large sheet or blanket. These are all
    numbered, and the guests each provided with pencils and slips of paper. At the
    chosen time the blanket, pictures attached, is hung upon the wall, and the guests given ten minutes in which to supply, upon their paper, the name of each article advertised, or possibly in some in stances the advertiser's firm name. Eac answer, of course, being numbered ac

