VOL. XXI. NO. 12

The Liquor Commission.

## pres. Jas. b. ANGel.

In reply to your request, I will say that
I have read the Redfern bill which you have sent me.
The purpose of the bill is excellent. The facts, showing the use of mall and spiritu-
ous liquors, and the effects of that use, it ous liquors, and the effects of that use, it very desirable to procure.
Might be three years rather thansion might be three years rather than six.
Some of the specifications of information to be sought might perhaps be criticized,
on the ground that they are vague, or that on the ground that they are vague, or that
they are too inquisitorial, or that they are they are too inquisitorial, or that they are
impracticable. But such an objection does not lie against the general purport of the
The great difficulty will be to secure un-
biased and competent men to serve on the biased and competent men to serve on the
commission without compensation, men in whose investigations the public will have contidence.
Ann Arbor.

## judge c. b. grant.

I am in favor of any reasonable means to gather facts in regard to intemperance in order to place them before the peopele
for their enlightenment. I am not entirefor their enlightenment. 1 am not entire-
ly clear, however, as to the wisdom of the ly clear, however, as to the wisdom of the
state undertaking the expense of a bureau state undertaking the expense of a bureau
for that purpose. If the present law were enforced as it ought to be, and as it can be, many of the evils of which we now
complain would be avoided. What we complain would be avoided. What we
need is not so much information of the tevils of intemperance, for that we all know,
but more enforcement of law. If the good people in every locality woold organize for
this purpose, such enforement could this purpose, such enforcement could
speedily be accomplished. The evil will speedily be accomplished. The evil will
not be remedied by laws unenforced, but by laws enforced. If we cannot entorce
the present law.I see no reasonable pros. pect of enforcing one more rigid.
Lansing.

## albert a. dodge.

I have read with considerable interest the article in the Vistron on the subject of
the State Liquor Commission and I wish to endorse all that you have said. I am not now prepared to say whether or not
the bill should be adopted in every particular as published; possibly it might
have been improved by a fews have been improved by a few slight amend-
ments, but in the main I wish to endorse the whole idea and trust that you will suseceed in working up sufficient feeling throughout the state to secure the enact
ment of the bill by our next legislature.
grand Rapids.

## mrs. agnes l. d'arcambal.

The appointment of a state commission to investigate the liquor traffic, its extent
and effects, other things being equal, would and effects, other things being equal, would
no doubt be ealuabbe in helping the poblic no ho have not already done so, to realize
who jion in regard to it.
Of the making of commissions and investigating committees on this subject there is no end, but the great vested inter-
est in the liquor traffic has ever been the power that has kept both state and country trom acting on recommendations and full
realizing the statements of such, even if it reaizing the statements of such, even if it gations and stultifying its work.
Sam Jones says, "The man who sells liquor is an infernal scoundrel, and the man
who drinks it is an infernal fool." This language may seem more than emphatic, but thinking and unpreiudiced people have long ago recognized its truth. It is well known to economists that, unlike that of a legitimate article of commerce, the supply of alcoholic drink creates
not the demand the supply

## not the demand the supply The key to the solution

question seems to be the awakening of the queligious sense of the public, and especially that of the governing classes. To stigmatize revenue made through its manufacture and sale. To brand and ostracise
those who grow wealthy on the degrada-
$\left\lvert\, \begin{aligned} & \text { tion of the race. To place the reproach } \\ & \text { not so much on the unfortunate victim }\end{aligned}\right.$ not so much on the unfortunate victim of
environment and appetite as on those who environment and appetite as on those who
cater to the one and create the other.
che cater to the one and the inherent evil of
Above all, to realize the
the stuff, and that it is impossible to touch the stuft, and that it it impossible to touch
it actually or metaphorically without de-
filement. filement.
If the work of a commission should so investigate and hold up before the public
the liquor traffic in all its direct and indi the liquor traffic in all its direct and indi-
rect bearings and effects without fear or favor its iteration, of the matter as a system of facts near at home might help those
who desire the highest benefit of the state to arouse individual action.
Detroit.

## hon. wa. l. webber.

1 am, as you say, interested in every
practical temperance movement, and $I$ re practical temperance movement, and I re-
gret that so much zeal and strength should be expended in such misdirected efforts to promote the cause of temperance. Expe-
rience has rected effort to promote any good cause is really an injury to the cause, and I think Michigan, and humanity generally, have suffered because there has been so little knowledge and judgment exercised in
seeking to forward the temperan seeking to forward the temperance move-
ment. Every such movernnt designed for the benefit of humanity must first rest upon the actual condition of humanity, and what would be wise if some other condition existed may be unwise as conditions now exist.
I have ne
have never been of opinion that the
prohibition movement in Michigan was promotive of advance in temperance. This movement contemplated the absolute extinction of alcohol, and the speakers and
writers writers have declared alcohol, in all its
forms, a curse. As a matter of fact this forms, a curse. As a matter of fact, this
statement is not true. It is simply the abuse of alcohol which is the curse; the unnecessary use of alcohol which does the and It think it is safe to say it a lways will exist. Again, the friends of prohibition have urged that alcohol was a poison,
whereas the best scientific authorities hold otherwise. You remember the investigation made by Governor Andrews of Mas-
sachusetts, and the published results, No matter how good a cause may be, when
false premises are assumed the cause is infalse premises are assumed the cause is in-
jured thereby. Let the friends of temperance tell the truch, and say that the abose
of alcohol is the canse of the troule that the weakness of humanity in not being good to itself is the cause of the trou-
be You remember Dr. Reynolds, in the Red Ribbon movement, took as his text every-
where, "Be Good to Yourself." He was a true temperance apostle, and did mash monsibilities; they tre possessed of liberty of choice; their Maker has not seen fit to deprive them of choos-
ing evil, if they prefer it; why should man assume to be wiser than his Maker, and take from man this choice! Rather let mermitted to choos in the good, and yet be have so far lost their reason that they should be placed in asylunts or under phys-
ical restraint On this basis the ical restrant. On this basis the cause of
temperance can be promoted and built up, temperance can be promoted and built up,
and on this basis alone can we hope for any permanent good. The saloons, as they are ordinarily conducted, are a great
evil in the in some form, or in some manner, and in some place. Better, therefore, that they should be regulated and restrained by placing them under heavy penalties to
comply with the rules and regulations the law, to have them as little mischievons as possible, and lessen the number by the severity of the rules and regulations.
Humanity requires instruction Humanity requires instruction and cauas intempertemperance in eating as well as intemperance in drinking. An eminent
physician once said to me,
Two men are physician once said to me, "Two men are
ki lel by over-eating for every one killed by over-drinking.,'
I think experience has demonstrated that those evils in society which have always existed, and which seem to exist in consequence of the infirmity of humanity,
are best dealt with by society by such le.

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gal
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ate thulations as shall restrain and legisprohibition, when the experience of the the
world has world has proven that prohibition is im-
possible. Vice can be carried on in such possible. Vice can be carried on in such
a secret manner that man cannot be pre a secret manner that man cannot be pre-
vented from vice except by a physical restraint of his person.
passage of the Redfern to come from the passage of the Redfern bill, or the investi-
cations which it porer gations which it proposes. We all know
now the evils of intemperance; we know that it is an evil of great magnitude, and to know its precise extent, perhaps, is not material. The value of investigations under such a bill as this would depend largey upon the wisdom and the sagacity of the men who should conduct them; and afthere would still exist difference procured ion in the community as to the best method to remedy these evils.
Every man who is intelligent enough to be a member of the legislature should
know, without waiting for know, without waiting for the report of a
commission, enough on those questions to commission, enough on those questions to
form his own conclusions without waiting for further advice as to facts. Every man has had the evils of intemperance before his eyes from his youth to the present time; every man has heard the subjeet discussed and all sorts of opinions expressed
concerning the best methods of eliminat concerning the best methods of eliminat-
ing these evils from tociety yet there ing these evils fron iociety, yet there are
so many opinions as to these methods still existing as to demonstrate a want of still formity in the premises which lead to these conclusions. In my judgment the passage of the Redfern Bill would call upon the taxpayers for at least $\$ 30,000$, and 1 should samporatitions under it.

## The Hessian Fly

by g. c. davis, michigan experiment
The Hessian fly is now in the "flax seed" or pupa stage and is found near the base
of the plant, encased between the stem and of the plant, encased between the stem and
the leat-sheath. It is called "flax seed"stage because it resembles in appearance and
shape a flax seed. Occasionally a minute mosquito-like fly is alrealy making its appearance from the pupa stage, but the
greater share of the ties will not appear for a month or more. Whether there
is a third, or summer, brood is unime ant at this time, but suffice it to say, that hegin layly fall wheat appears, the females begin laying their eggs on the leaves, us-
ually along the midrib. The egg is about one-sixteenth of an inch long and of a pale red color. From the egg comes the white
maggot which works its way in toward the stem and does the harm to the wheat the bruising thes stem and sucking the sap
from it The second brood of flies appears in early spring and the maggots from this brood do the most harm of all as they and the grain to shrink or remain undeveloped.
This,
which, in brief, is the annual cycle through which the Hessian fly passes. However,
it is not so often of the life history and habits of the fly regarding which we are questioned, for most of the farmers are
already acquainted with it in that respect through reading and experience. The letters which are now coming to us are looking to the future and asking, in substance,
"What is the probability of a severe attack on the next year's wheat crop?" and "Is there anything that we can do to prevent
or lessen the injury?" As these are vital or lessen the injury. As these are vital
financial questions to the grain producing farmer, even a few suggestions may aid.
what is the probability of a severe
attack on the wheat crop vext
This is about as difficult a question to nswer as the fore-casting of the weather as much depends upon this one influence.
Two years ago this summer indications of the Hessian fly were about the same as last summer, but last season's, wheat was not injured to any extent in comparison with
the present crop. Whether it was the dry the present crop. Whether it was the dry,
hot summer of last year that held hot summer of last year that held
the fly in check, or whether it was some
other influence or combination of influences that made the difference, admits of muc conjecture and leaves room for more study, We must We must say though that, as abundant as
the flies will soon be, there is probability that the attack probabill be a severe one. Parasites are not apt to be of any great aid before next
season, and climate influences so far this season are very favorable for the fly.
there anything that we can do to
peevent or deses the iver on
Occasionally the man who does all that he can in the autumn tho does all that of the fly, succeeds no better than his indif ferent neighbor, but generally he succeeds in molifying if not entirely preventing an attack on his crop. Trof. Webster, the present entomologist of the Ohio Experiment Station, has spent
much of his time for the past twelve years in studying the fly and gathering data regarding it, and he gives us very good proof that late fall sowing is an important item in checking the fly. There is a time when most of the brood of flies has deposited its
eggs and died. In the southern tier of $\underset{\text { counties in the }}{ }$ has been determined to be from the 12th to the 15 th of September. As we go north ward from this, the time of sowing becomes earlier at the rate of a day for every 12 miles, or 5 days for every degree of lati-
tude. For the average autumn this date will still give the whent ity to make a good growth before winter comes.
When
When wheat is sown late, particular
care should be used in thor care should beused in thoroughly propar
ing the ground and in using fertilizer to give the wheat a vigorous growth. Much depends upon the seed-
bed and strength of soil in aiding wheat to withstand any insect attack.
all varieties injured.
On the College farm, ten of the more
common varieties of whe common varieties of wheat grown in the
state were examined and all found to be badly injured by the fly; some perhaps a litte more than others, tions independent of variety

Several persons have reported finding a
little white magrot inside the little white maggot inside the wheat stem. inside the stem, a few of these formers have gone so far as to make the assertion
that it is not the Hessian fly, but another that is doing harm this season. This is the than usual, for this maggot inside the stem is found in varying numbers every season stem to turn white before ripening wheal It is known as the wheat stem maggot, and is rarely numerous enough to do much
damage. damage
Agricultural College.

## From 1873 Until 1896

Huron Co., O., March 30, 1896. Mr. O. W. Ingersoli,
Dear Sir: Your paint which we used on our house in 1873 has proved very sat-
isfactory and, as we desire to repaint it this spring, we write you for sample color See Adv. Ingerin. W. Martin.

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 puritiers acting directly on the mucuossurfaces.
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## 2 THE GRANGE VISITOR.

JUNE 18, 1896.

Field and Stock.
Prune Growing in Oregon.
by PROF. U. P. HEDRICK, PROFESSOR OF
HORTICULTUE, tural college.
But few eastern people comprehend the magnitude of the prune industry on the the prunes used in this country wearly all ported from southern Europe; but, beginprune industry has grown to be one of the most important interests on the coast. The value of the crop is exceeded in Calierous fruits. In Washington, Idaho, and Oregon prune interests have assumed
greater proportions than all other orchard greater pr
industries.
I think I am safe in saying that Oregon is the favorite state of the prune and I am Oregon. As such it has much in its favor: the trees are sure to bear, there are no
climatic conditions to overcome, and there is a comparative immunity from insect and fungus pests. The demand, too, is growgreen product, thus promising well for the
industry.

## the climate important

The chief feature in Oregon prune growing is the climate. The tree is a compre
hensive feeder and any good soil will pro hace prunes. But to grow them at their
dest the e must be temperate in re even produst of good flaver and color can be produced even in Oregon only wher local climate conditions are good, this be-
ing largely the secret of profit and loss. ing largely the secret of profit and loss.
It is not necessary to irrigate in Oregon to grow prunes nor is the fruit cracked by moisture conditions are such that the The makes one good, strong growth in the spring and early, summer, and this, folequable summer andance of sunlight and an wood, giving the former a beautiful and and a delicious flavor.
prunes grown in this state. The major part of the industry is comprised in the are many fine orchards along though there river in northern and eastern Columbia Lying between the Cascade and Coneg. Range mountains in western Oregon there
are three great valleys, in order of are three great valleys, in order of size and
importance, the Willamette, Umpquah, and Rogue; each drained by a river of the same name. The soil for some miles adjacent to deep and so rich that for years and years
without any manuring and with but yittle cultivation it has averaged from 30 to 40 bushels of wheat per acre. It is upon this
black soil that most of the prent grown. As you reach the foot ails now mountains on either side of the rivers the soil becomes red and is of basaltic origin It is quite like that of the fruit regions of California and is very rich in the mineral elements of the soil, potash especially. on this soil and that it will some day produce large crops of prunes is certain, but as yet it has not to any
been encroached upon.

## arieties.

There are two varieties of prunes popu larly grown in Oregon, the French or the Robe de Sergent plum in the East and is the prune grown almost exclusively in California. At present it is the universal favorite in the commercial world. Unfortunately it does not do so well in the the Italian. The Italian is not quite so popular in the market at the noesent quite so as the Petite but when its pood qualities become known by a more general introduction it may be expected to rank in the markets with the French prune. The Italian prune can only be grown to perfection as the Fellenburg plum.
Briefly, the difference between the two is: The Italian when dried is larger than
the Petite prune, is black or bluish black the Petite prune, is black or bluish black
in color and is more acid, having a most in color and is more acid, having a most
agreeable sub-acid flavor. The Petite is smaller but is heavier in proportion to size, bright amber color when dried, making it he more attractive looking of the two Its insipid taste, because of a lack of acid, is its chief defect, though this sweetness

## methods and profits.

The prune trees are grown on peach
stocks generally, though myrobolan and marianna plums are being used some and will, I think, supersede the peach. The
cultivation given is that universally cultivation given is that universally given
plums. The trees when full grown are plums. The trees when full grown are
not so large as in Michigan but are much
more productive than there, and the fruit
is of larger size and better quality. Last season a new era for the pruality. Last industry
opened up in the shipping of opened up in the shipping of undried
prunes, many carloads having been prunes, many carloads having been sent east from Oregon. The outlook is promisThe great bugbear of the prune grower is to get his prunes evaporated. The The
evaporators now in use are of all make
and turn out all and turn out all grades of prunes. A prune evaporator, in general, is quite like
the large drier used in evaporating apples As the industry grows steam will beles.
troduced in all the large its advent much will be accomplished
toward increasing the toward increasing the efficency and econ-
omy of running an evaporator. omy of running an evaporator. Before
drying, the prunes are graded into "sizes"
and dipped and dipped in strong boiling lye to crack In California most prunes are dried by the sun. Last year the Oregon texperimet be said. conducted a thorough surver of the fruit
interests of western Oren net profit per acre per year. The average summarized from the reports of the survey
were lars for the 1894 four and one half dolgiven the survey workers were great yet
this can, I think, be recommended as ap1 orchard in bearing was forty-one dollars
and eighty cents and eighty cents. A prune orchard bears at four years old. The cost of prune land
in Oregon is from twenty to eighty dollars per acre.
Corvallis, oregon.

## Agriculture.

Report of Committee at State Grange.
Worthy Master, Sister and Brother
rons: We come before you with the full the average of human beingslt thing for their own privileges and blessings, and
the hope that the report that we are about to submit will not be full of ominous fore-
bodings, but will present all subjects in bodings, but will
their true light
While we cannot with propriety return thanks for bountiful crops and paying prices for the past year, we are truly
grateful that matters are no worse than they are.
Your co
Your committee, in presenting to you
their report, feel the responsibility and the importance of the many questions that present themselves to the agriculturists of successfully pursuing our calling requires
broad acres, so we feel that broad acres, so we feel that our report
should be correspondingly broad and libshould be correspondingly broad and lib-
eral, realizing that in the present day and age of advancement, no business or occupation can stand wholly alone, that the prosperity of any one branch, depends, in a
great measure great measure, upon the prosperity
other branches, for when consumers hampered by enforced idleness, or
wages, their purchases are limited
respondingly, respondingly; therefore, legislation or cripples any useful industry legitimate-
ly pursued is detrimental to us.

OUR HOME MARKET
Our home market is our best market; an export quantity, do wedo not produce competition with the products of cheap
land and labor in land and labor in foreign countries, and we do not have to accept their prices, less the
cost of transportation to the cost of transportation to their markets. There has been a plan presented by on the Lubin idea, which was discussed as great length at the meeting of our last National Grange, which provides for the payment of a bounty by the government apon agricultural exports, claiming that agriculture under the present system of
protection does not receive benefits in protection does not receive benefits in pro-
portion to manufactures, and hoping by said bounty
agriculture.
It seems to your committee that to adopt overlooked, and that is, thal principle is must support the that is, that the people government support the people. not the extreme cases require extreme remedies, bulk of our exports, and sixty per cent the the internal commerce that floats cent of great lakes and rivers, besides contributing by far the greater part of the freightage guishing, any remedy th railroads is lanpressure on this industry will relieve the ed to. Therefore while we cannot indorse
it, we will not cond it, we will not condemn it.

## exportation

From the committee on agriculture at
the meeting in Worcester, we learn that the meeting in Worcester, we learn that
the United States produces annually, on an average, $500,000,000$ bushels of
when bushels less), and that the averace annual export of wheat and flour is $140,000,000$
bushels. By these figures you will see
that if we could lessen production, or in-
crease consumption crease consumption a little more than one-
fourth our home market would consume the entire crop. This would cause an advance in price, so that the $340,000,000$
bushels annall worth as annually consumed, would be bushels now annually produced
lines are so thoroughly miners in certain can and do regulate thorganized that they supply of their goods; but we are by the fortunately situated.
000 bushels we annually export $\% 5,000,000$
bushels. Oushels

## bushels all consumed at home.

Of potatoes we produce about 200,000
$20,000,000$ bushels annually to to from 10 to own market.
France annually imports about 45,000 , 000 bushels and the United King 40,000 , largest importing country of food products,
$180,000,000$ bushels. $180,000,000$ bushels. Russia is the largest
exporter of wheat. exporter of wheat, and annually sends out
$160,000,000$ bushels, European Russia ha a population of $98,000,000$ souls, four-fifths bread and potatoes ants, who live on ry gaged in agriculture. The undeveloped
territory of Russia, could in territory of Russia, could in a short time be made to supply the world with bread.
India annually exports $40,000,000$ of wheat. She has a population of 290 000,000 , three-fourths of which cannot read or write, and live on rice and other cheap food, and work for almost nothing. Ar-
gentine exports about $45,000,000$ busher gentine exports about $45,000,000$ bushels.
She has over $400,000,000$ acres of rich lands with but 10 to $12,000,000$ acres now under cultivation.
From these figures you can readily see,
that so long as the export price of whent controls the markets, it cannot be wheat wise than low. As we produce 90 per
cent of the corn of the world, competition in that line is not so great
ment to our languishing industries and to rebuild possible maintain them, and at the same time enhance the receipts of our National
treasury, so that we may diminish our treasury, so that we may
debt, rather than increase it.

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transportation.
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In the matter of transportation, we do
not feel that the government should own not feel that the government should own
and operate the modes of transportation, as the employment of capital in that direction is just as legitimate as its employment in production. The mission of the government is to govern the people and not to do the business of the country. The duty of
the law is to protect the weak against the strong. The physically weak against weak agsically strong. The financially fore, as large amounts of y strong. There centrated for accelerating transportation and the capital invested in agricultural pursuits is scattered, we feel justified in this source. In the pooling of the eight American railroad trunk lines of the eight Canadian trunk line, controlling the traffic between New York and Chicago, the ar-
rangements are nearly completed, and the rangements are nearly completed, and the
agreement provides that every road in the agreement provides that every road in the
combine shall make and maintain the rates prescribed by a board of managers repre-
senting all the roads. That this will virtually destroy all competition in both freight and passenger rates between these two great
centers of commerce, is a clear case where the weak need protection against the strong and should be stopped at once

## trusts.

Any and every trust or combine, or anything of that nature that tends to interfere
with the natural laws of supply and demand, or the legitimate and natural comless ton in business, is nothing more nor should not be tolerated for people and While we believe that supply and demand are the great regulators of prices, when
not interfered with, we fail to see the force of the argument of Secretary of Agriculsupply of unoccupied lays that the stantly increasing population will, within farms. In greatly enhance the value of not materially advance in value, lands will prices of farm products advance, to an the tent that money invested in land will pay as good dividends as money invested in We giverises.
kinds of necessary and engaged in all credit for being just as honest and business, are we, and therefore accept their oyal as opinion as their honest conviction and denounce all expressions, such as gold bugs,
silver kings, etc., that are intended to silver kings, etc., that are intended to
carry with them disrespect. As sectionalism in this country is a thing of the past, with, and our laws the classes done away the masses, and not for special classes.

In the matter taxation.
the work of the tax statistican whose ap
pointment is the fruit of our order, will
throw such light upon the subject, as to
cause the burdens to be borne more equit-
ably. Believing that the whole property
should pay its fair share of the taxes, any
law that will help to place all property up-
on the roll, and assess it at its true cash
value, and in the township or city where
such property is located will be welcome.
There are now two exceptions to this. One
is in the case of railroads. Every mile of
railroad should be assessed where it is lo-
cated, and thereby help to pay our town
and county taxes. The other exception is
in the assessment of mortgages. We hold
that when the mortgage tax law was re-
pealed Miecigan took a step backward.
While the law no doubt had some defects,
the principle was right, for no man was
assessed for property he did not own, no
property was assessed twice, and all prop-
erty was assessed where it was located.
station bulletins.
For the bulletins issued by the agricul-
tural college, and the knowledge imparted
through and by thein through and by their experiments, we
would return thanks, and believe the lack of interest in said work, and the fail-
ure to profit among farmers than does the more loss the school. Would we not think it ridiculous for professional men to advocate the
abolishment of their respective branches in the university because every branches who studied law or medicine did student tice it, and is it not equally absurd for us
to be forever who attends agricultural college is not mainter As regards the construction and the present law, which provides fove that assessment, and if that is not sufficient an absolute money tax. Under our presen law, if any county wishes to build present or orther improved highways, to their cen-
ters of commerce, they can do so by ing special legislation.
There are certain natural laws, controll-
ing the business of the world sometimes overlook, and one of those we is, that great wealth is not speedily se-
cured through agricultural pursuits. Those who are ambitious to possess ex-
treme wealth must However, our products are the world, necessities, and it is just that we should
receive fair romern receive fair remuneration for our labor,
and our capital invested, and it is our duty
to work for the Our bat end.
sonal attention, it cannot be successfully of his opportunities

Question country? the commission? railroads, navigable or irrigating emies of fully studied.
conducted by proxy. The old rule, never ed, there is no excellence without sureat and to the cosely personal in its application. And to the farmer, this means as much as
to any other man, that it is his own hand thaty other man, that it is his own hand
that must guide if he would make the most

## General Topic for June

 own and control the the GovernmentQuestion 2. Has the work of the cient value to the peopmission been of suffiwarrant the enactment of the law creating
suggestions.
But few direct suggestions will be made under this topic. What is given will be
largely in the line of statistical information largely in the line of statistical information
for a large class of the members of the Order who may not have opportunities for procuring the same. The opportunities for nor of any corporation that will advance our individual interests, or of any laboring tion should be in the spirit the first ques quotation For the spirit of the above ports on Transportation in the Proceedings of the National Grange for ten or fifteen
years. The proceedings of 1891 倍 years. The proceedings of 1891 contain a ownership. By act of Congress the InterState Commerce Commission were directed ownership of railroads, and the Commission issued a special report in regard to their investigations in 1894. This report of railroads in of Government ownership of rallroads in foreign countries and the
conclusion reached is that Government ownership is not desirable in Government Both sides of the question should be careofficial sources will show the magnitude of

WOMAN'S WORK.


## Our Schools.

## the Panlic Has R Right to Expect of the Sehools; from the Editor's stand point.

## (RRead by E. E.

It is very difficult for me to divorce the ideas 1 may have as an editor or ar acitizen
in regard to the public schools. My occupation in one field and position as a parent opinions in respeet to our school system, but whether I have those views as a citi-
zen or editor I cannot tell; and if $I$ express zen or editor I cannot tell; and if I express
them as an editor it does not necessarily them as an editor it doos not necessarily pure reading matte", for I am willing they should have the "ruur of the paper,
and be counted for just what they are and be counted for
Is the same more.
en in our schools to the nition being given in our schools to the primary depart
ment that there is to the higher grades? Out of a class entering the primary sisting of twenty scholars not more conthree or four of them finish the high school, and not one in hundreds beginning at the
lowest round finish in the higher alle provided. In the first and second grades provied. In the first and second grades in one room, and sometimes as high as sixty or seventy little ones are undertaken to
be controlled by some inexperienced teach er who has no adaptability for the place She is usually hired because she will work essary are not taken into consideration un-
til teachers for the higher grades are wanted.
It has been said, and justly, too, I think, that the trend of one's life is shaped by
the handling of the first two of home and school life. That the shape and direction of one's mental thoughts and after usefulness are made in early school years. If such is the case, is the proper
attention and care given to those early Wh.
When the upper grades are reached the or three teachers, Costly be given two or three teachers. Costly apparatus will
be provided for them and the studies be
made more made more attentive by experienced teachers chosen for their ability and adaptabili-
ty. But long before thes and ty. But long before these scholars reach these grades in many cases they have lost
their interest in school; inexperienced teachers lacking the ability to discern the bent of the young mind have failed to discover what will interest the peculiar cases, and very often the cause of children dropping interest during intermediate grades
from a lack of interest can be traced to utter indifiference on the part of scholars to est that pupil had not been discovered by the teacher until too late, and the child, in most cases the boy, drops out; the few, re-
maining get the benefit of the higher train-

## ing.

Cannot the schools be made more attractive so that more of the young men of our ces in the high schools? Is this lack of attendance their own fault, or is it the fault of the system?
A large percentage of those who gradu-
ate in our high schools are girls. ate in our high schools are girls. They are developing intellectually much faster than
the young men of the age. If this continues, what of the future? Many of the best thinkers and writers of the age are women. Within the past half a century
this position has changed greatly intellecthis position has changed greatly intellec-
tually and mentally. They are advancing uaally and mentally. They are advancing, the young men of the age are leaving habits of cigarette-smoking and other vices and degenerating. How long can this continue and our country be safee? The young
man is injuring himself, society is being
deprived of an educated citizen, and the government itself is being weakened, for intelligence of its votes.
I do not want to be a pessimist and mag nify the evils of today, but I believe these thoughts are worthy of consideration, and
if I have a mistaken idea of them I will if have a mistaken idea of them I will
willingly stand correction; but they Winoughts that force themselves to my mind. How are the many young men who are so lightly ignoring an education to be
reclaimed! 'Can the school system be alreclaimed! Can the school system be al-
tered or amended in any way to correct tered or amended in any way to correct
the evil! Will more attention to them while in their primary grades affect them other citizens do anything to counteract the growing tendency?
These are
my mind as I write, but I will admit my mind as I write, but I will admit
frankly that I have no remedy to suggest. I cannot point to the duty done or undone that will correct the evil. Our educators may be able to suggest remedies, and if so,
they will find in me for one a helper who will do all they can to help. best that is being done and can be don the but also the worst features of our schoo system, and he is no true e rriend of educa-
tion who wilfully conceals or keeps tion who wilfully conceals or keeps back
facts and knowledge regarding them. A discussion of such questions will purify the
atmosphere surrounding it, and if no such atmosphere surrounding it, and if no such
evils exist as these, those patrons who have such ideas
corrected

## That Maple Stub

"Have what jone"," "Whaty to have it done!" driven about the old maple stub in the door yard." "What for?" "To preserve
it. It was old and rotten and getting shaky," "It's not pretty in a door yard."
"No, I know it was not pretty
. abo, 1 it wowl it was not pretty, and stakes
aut the bianble made it look worse, but the big blow came, and the stub is blown
down, and now what good is it that I was just going to have it staked."
In the
In the spring of 1891 , my child came
running in rumning in great excitement,' "O, mamma, the red-headed woodpeckers have a nest in
the old maple stub." Sure enough; now thought I we will see if John Burroughs is right, that the woodpeckers abandon their
nests after the first nests after the first season (page 138, Wake
Robin). Every summer since then Robin). Every summer since then I have
found the red heads have had their first found the red heads have had their first
brood out of that old stub in time for my cherries. They used the same cavity in chamber, which they they made a new a new door so they could enter either the back or front way. Again a new chamber was excavated in 1895, and they had just the present season when the disaster The fallen stub confirms my conclusions that woodpeckers do sometimes use the same chamber successive seasons, for there
were only four cavities, - one with twit were only four cavities, -one with two
doors-which had done service for six successive seasons. But now the loud joyous cries and the resonant hammering-the evoke from the roof peckers know how to out of my home concert, and from summer cares I shall miss protecting the
blundering first flight of baby woodpeckblundering first flight of
ers from the watchful cat.
Washtenaw Co.

## Why We Cook Our Food.

We cook our food to render it more Cooking develops fles of taste and smell present in the raw state. This is particularly true of the animal foods, but it is also true to a greater or less extent with
regard to vegetable foods, and indeed some egard to vegetable foods, and indeed some
vegetables, as potatoes and beand vegetables, as potatoes and beans, would
be repugnant were they uncooked superior flavor, appearance and taste of piece of beefsteak nicely cooked is a a case
in point. The development of pleasant n point. The development of pleasant
flavors in the coffee berry and peanut illus avors in the coffiee berry
trate the same principle.
A second reason why we should cook our food is to be found in the fact that thereby we facilitate the process of mastication. Some foods are tough or hard and can
neither be finely divided nor well mixed neither be finely divided nor well mixed
with saliva. Cooking softens these so that the work of the teeth is softens these so that greater ease, and the results, so far as as the digestibility and the amount of nutrient matter obtained are concerned, are vastly more efficient.
Again it is often desirable that the food portions of them are absolututy indigs or portions of uem are absolutely indigestisue of meat, for example, cannot be considered a food until by the application of heat it has been changed chemically to gelatine. Similarly starches, though not en-
tirely indigestible when tirely indigestible when raw, are changed
into a more digestible form and the cooked starch, as in by cooking, the process of toasting, converted into new chemical substance called dextrin, new chemical substance called dextrin,
which closely resembles sugar both in its
chemical properties and in the ease with
which it is digested which it is digested. Again sugar is
changed into caramel and fats are partially decomposed into other more digestible substances.
A fourth reason for cooking food is that the warmth which is thus imparted pro-
motes digestion by causing an increased flow of blood to the digestive apparatus
and hence a more con digestive fluids. It is to stimulate the the of digestive juices that hot soup is oiven the first course at dinner. As a result of
this increased flow the this increased flow the digestion of the
food is well advanced by the time dinner food is well advanced by the time dinner
is over. The general stimulating effect of tea and coffee is enhanced considerably by their warmth.
The general result of all these changes increased ease of mastication, the chemical changes, and the warmth imparted b cooking, is that more nutrient matter is
obtained from the food at the same time
thet that its digestion is promoted.
Finally cooking destroys that may be present in the food. Of these trichinue in pork and the solex, or encysted
head of the tapeworm, in what is know as measly beef, are the most common. To sow that these are not so rare I may menof all the hogs slaughtered at the Chicaso stock yards are found to be infested with
trichinae. Most food materials serve Machinae. Most food materials serve as a
favorable media for the propagation and growth of mactia for the propagation and
Many of these are harmless, but we must remember that we cannot be sure at any time that no danger-
ous ones are present bacteria we are taking fewer chances when we cook our food than when we do not.-
Proof. Thimas Grant Allen, M. A., in The

Means of Protection Against Clothes Moths.

It is much easier, we find, to keep a
house free from clothes moths than rid the house of them after they are once thorough-
ly established. There are few yhestablished. There are few dwelling which woolens are left exposed during the
whices in summer. Often old clothing or woole rags are thrown into a little used attic and
thoughtlessly left. Upholstered furniture not in use is often carried to the same general reception room for cast away articles.
All of these articles and like nature, such as feathers and furs, are very attractive to these little moths and sure to bring annoyance and grief to the house matron if such practice is continued. The first item then to remember is to avoid will attract the moths and on which their young can feed.
the he wardrobe during the summer, can be
kept entirely exempt from attack if into new flour sacks, linen sacks, or something of that nature, and tightly tied so
that a moth cannot enter at the mouth Chests serve the same purpose when tight enough to prevent the moths from enter-
Giarments to be kept free from the moth entirely by isolation, as mentioned in the
last paragraph, must not be left exposed last paragraph, must nor heft exposed
for a month or two after the wearer has discarded them before they are packed and June and are the most likely the posit their eqgs on these garments before
they are safely stored. They should be put in safe keeping without delay as soon Various ened.
arious repellants, such as camphor,
moth balls of naphthaline, snuff, tobacco and similar substances are in quite use and have usually given fair satisfaction. Cedar chests are well known to give pro tection against the moths, but they are
quite expensive. In all quil, as spokensen of under the carpet beetles will prove to be an excellent repellant in wardrobe, bureau or chest, when sprinkled
over the wood-work oceasionally. It seen superior to all other repellants tried b myself, and quite likely will be sufficient to keep all moths away.
of the clothes moth are better or simpler method of dealing with them than to apply a liberal quantity of benzine or gasolne to the garments on which they are feeding. Then the garsunshine and thoroughly aired. There may still be eggs or larve that have escaped the first application, and a second a week or two later is desirable to make the work certain. Other garments of the same should at least be inspected infested and and watched for a few weeks. The roo should also be sprayed that the work maz be complete. What has been said of care ful, thorough work regarding the carpet
beetle is also of equal importance in dealbeetle is also of equal mopor
ing with the clothes moths.
Linen and cotton goods are not attacked
ree in frequent use be attacked. Uphol stery of furniture, linings and trapping in carriages and similar material remain
free from attack by use and plenty of suinshine.

The Juveniles.
Little Mamie Gay.
Little Mamie, aged three, Sat demurely on the eofars,
Quite unk own to fears. nad known her scarce a dayWe conl enough hor is. Without "company" fuss. Soon I asked how old she was,What a worlid of carerefol study Then she tipped her head aside,
 Then I laughed. The little fairy! Tes! 'That's it,"' the mite repiied.
And bobbed her curly head.

Among The Fishermen.
Early in the morning, long before most out of their beds, the fishermen are busy down upon the wharves selling their fish night me thenten. At all hours of the readiness for the first cutstomer who may appear. Some of the boats are small,
hardly larger than a dory, while others are larger and carry sails. The boats are are larger and carry sails. The boats are
loaded with several kinds of fish, which
the men have been fortunate enough to the men have been fortunate enough to
catch.
The writer remembers one morning when The writer remembers one morning when
the tide was out. The boats were fifteen the tide was out.
or thent feet below the wharf. The pur-
chaser would walk along until he saw some fish in the boats below that he wanted. Then he inquired the price, and if satisfaccory he would tell how many he wanted raised to the wharf by a apolly. The mar-
ketman would pay the bill, load his w or cart and drive off. Others were going or cart and drive off. Others were going
and coming. What they said was all fish
talk, and a landsman could not understand what was meant. The decks of the boats were slippery and
wet, and the men were dressed ip wet, and the men were dressed in suits of
oil-cloth. Some of the hoats had codtion some had hake, others had mackerel others had several kinds of fish. When any fisherman had sold all his catch he moved out as quickly as possible and sailed
or rowed a way for another day's work. A large number of men are engaged in
this industry and oftentimes they posed to many dangers. At any rate, it is hard work, but the fishermen look the per ect picture of health.-Ex

OVERWORK
Nervous Prostration
Ayer's Sarsaparilla

and gradually increased my weight from
one hundred and twenty- five to two hundred pounds. Since then, I and $\mathrm{m} \delta$
 Ayer's Sarsaparilla. I believe my chil
dren would had it not been for Ayerts Sersasapariilla,
of which
much."-H. o. Hissoox, Postmatmeter and
Ayer's $\frac{\text { THE }}{\text { ONLY }}$ Sarsaparilla
receiving medal at worlo's fals.

THE GRANGE VISITOR

The Official Organ of the Miehigan State Grange.


These two we regard as common qualifica-
tions. There is no debate upon them. If a man is not honest, if he does not deal with his constituents as they expect, if he is a crank, if he is not able to comprehend
the scope of state affairs he the scope state affars, he ought not to
be in the legislature. But there is some thing that lies at the very basis of the
qualifications for acceptable public service which is often overlooked. This essential thing is patriotism. By this term we mean that spirit which asks, when a certain
measure is presented, "What will be the effect of this measure upon the public
ent good Q " and which does not consider the question, "How will this effect my politi-
cal standing?," We never shall have ideal cal standing?" We never shall have ideal
legislators, but if it were possible for us to secure a legislature, the majority of whose
members, or even a good sized minority of them, were actuated by this spirit, we
would have no difficulty in predicting the success of that legislature.

## OUR WORK.

##  <br> 









We are in receipt of the proceedings of
the Colorado State Grange.
We want more Grange news. Just a
word about what you are doing.
Do not overlook the letter from Bro.
G. Noble of Oxford, on page eight.
While performing institute work at Greeniville, we changed to be in wown the
same afternoon that Montcalm Grange met, same afternoon that Montcalm Grange met,
and were pleasantly welcomed by the atrof that wide awake Grange.

Worthy Master Horton has called the attention of Patrons to the necessity of beginning the planning for August picnics. Grange have a picnic this year? It does
not need to be large to be good or useful.

The Board of Agriculture, at their last meeting, adopted a course for ladies at the Agricultural College. Both this course and the revised course for boys will be
published soon. We hope that these published soon. We hope that these ance this coming year. The new year will one of the new catalogues, which will be
out in a few weeks.

Sister Mayo makes an appeal for
the Fresh Air work, in this issue. The best argument for this work is the success attending it. It has now been carried on two seasons, and at the end of each season's
work the chairman of the committee has had abundant evidence, in the shape of numerous letters, showing not only the value of this work to the poor city people who need it so much, but also
the actual value to those who have performed the service. It is perhaps useless work either from the philanthro the standpoint or from the phandpoint of
its value to the Gran its value to the Grange. The best word formed by many busy women on our per-
farm homes. It can be extended and made much try it this season. We hope that these appeals of our sisters will be recognized by the woman's work committees, and that every Grange will, through its members, take at least a small share in this noble

Now is the proper time to discuss the qualifications of our state legislators. It is from now. We think our people spend from mow. We thime in pointing out the faults of their public servants after the deeds have
been done, and too little in doing their been done, and too little in doing their
share to see that men of proper qualificashare to see that men of proper qualifica-
tions are selected for these important places. We all expect in members of the
legislature the ordinary qualifications of honesty and a fair degree of intelligence.

The spirit of selfishness is the most cry-
ing evil of our politisics.sss it the than be eradic-
ated only by education and by persistent
at ated only by education and by persistent
effort. If we could only have men in our effort. If we could only have men in our
public service who are truly patriotic in pubic service who are truly patriotic in
the sense of being willing to sacrifice their personal interests for the public good, we
would get along pretty well any form of government, and under almost any laws. We should, like to dwell at
greater length upon this phase of our greater length upon this phase of our poli-
tics, because it is the essential thing. It tics, because it is the essential thing. It
matters much less what sort of laws we ask
fas for, than it does what sort of men we send
to make the laws. first be intelligent and well informed, though they need not be scholars. They
must be perfectly honest, though they need must be perfectly honest, though they need
not be poor. And above all they must be men who will keep ever before them the
good of the whole people, and not the wishes of a small clique, nor the apparent
benefit to themselves.

The Grange has a clear duty in this matter; it must first educate its members to
believe, not only theoretically, but practically, that this spirit of patriotism is the thing most needed in our politics. Then
the members of the Grange should make an effort at every opportunity to endeavor
to secure for public th secure for pubic place men who possess
this spirit. Alt is a hard task, but
not an impossible one not an impossible one. You can find the
men if you want to, but it means that you men if you want to, but it means that you
must go to work now and keep at it until the proper men are chosen. We have no
sympathy with anybody who neglects this
sort of sympathy with anybody who neglects this
sort of work and then will complain next
winter when his member of the legislatur winter when his mem
fails to do his duty.

In our last issue, we printed a splendid
article from Brother J. Y Grange, which we headed "The Leading Question. It was a strong presentation of a most important phase of Grange
work. We can agree with him in the main, and wish to call especial attention to the matter which he brings up. It must are not the most important thing in life, they are the fundamental thing. No man of life, and we think that few men can do their best without both the necessaries and some of the comforts of life. Hence, as
Brother Clark says, the first things to look after on the farm are those which govern our income and outgo.
The Grange has already done something in this line, and has provided machinery supplies, both for the farm and for the Granges are regret to say that Subordinate Cranges are not taking due advantage of
this opportunity. Those who have tried it have, so far as we know, been well
pleased, and have saved considerable pleased, and have saved considerable
money. Would not it be a cood idea for noney. To take full advantage of this scheme of purchasing and give it a thorough trial?
It certainly will be a help. There many difficulties in the way of a solution of the problems presented. They seem almost insuperable. The farmer makes
his own price in very few of his business his own price in very few of his business
transanctions. It would seem, on the face of it, to be essential that he should be able to make his own price on what he sells, but this has never yet been done to any satis-
factory extent. The matter is worth in factory extent. The matter is worth in-
vestigating, however. Two or three years vestioating, however. Two or three years
ago the State Grange passed a resolution directing an inquiry as to the feasibility of selling together as well as buying together.
So far as we know this So far as we know, this investigation has
never been made in Michign We should be very glad indeed to hear Brother Clark's views in regard to the specific methods that he thinks feasible for solving this
great problem, great problem, and we should be glad to hear from anybody else who has any sug-
gestion to make. We have sometimes
thougt that thought that it might be practicable to in-
stitute a farmers' board of trade for the state, which could collect information in regard to prices, crops, and possibly give
general directions gener
kets.

There certainly is one line of work that
has been attempted very little by farmers that it would seem to us would ber of value, in some directions at least. For instance, most of the people in cities who
buy beefsteak, get a very inferior Suy beefsteak, get a very inferior article.
Now if they could be educated to what good beefsteak is, and to demand it they would noestoaly buy it in to demarger quantities, but they would pay a higher price
for it. Then the for pared to furnish prime beef to supply this demand. The same would be true in regard to fruits, vegetables, and butter and
cheese products. We believe it is a fact that a great proportion of these products consumed by our city people is very far
from being of hish from being of high grade, and that the
public taste should, in some way, be e the cuated to demand bemond in some way, be edu-
farmers should; then the
faise these articles.

There is one sentence in Brother Clark' "The farmer of the present and future, laboring under financial burdens unknown to his predecessors, cannot afford to belong ture." Our Grange Visitor's moto is
"The "The farmer is of more consequence than the farm, and should be first improved.',
This motto has been followed for twenty five years of Grange history. The result
has been not so twenty has been not so much a financial improve-
ment in the farmer's improvement as a man. By reason of the ture of the Grange, the and the social culgan today are much more able to cope with men in the professions and other lines of hasiness than they have ever been be-
frange, largely by reason of
these very these very factors, has produced some of Grange today, through these vistory. The
Gry oppor-
tuntities for der educating a who are destined, by reason of these men portunities, to occupy even a larger place
in our state than their fathers have done We do not minimize the importance of the financial side of the Grange or of the
farmer's life. But these higher things must not be lost sight of. Because we have bard times, because our people are
depressed for lack of money, we must all the more be on our guard against losing
sight of the fact that the best things of life, the most important factors in life, are included in the education of our higher
faculties.

We publish in this issue a number of letters, both favorable and unfavorable, on
the Redfern Liquor Commission Bill Mr L. C. Storrs, Secretary of the State Board of Corrections and Charities, has also
favored us with a copy of some letters which have come to him during thespring They bear so closely upon this topic that we quote large portions of them. They
show that the idea underlying the Redfern Liquor Commission Bill is a practical one, and that it is considered a useful one by some of the leading minds of the east. from the special agent of the committee on the relations of the liquor problem on economic conditions, poverty, and crime. The chairman of this committe is Gen.
Francis A. Walker, president of the Boston Institute of Technology. This committee is a sub-committee of what is called gation of the Liquor Problem." This is a committee of fifty gentlemen, repretions, under the presidency of Hon. Seth Low of New York, and is engaged in the
study of the ligur problem study of the liquor problem, in the hope of
securing a body of facts relating to the securng, a boclat legislative ethical, and ectang to the
med aspects of the question which will serve as
a basis aspects or he question which will serve as
a basis for intelligent public and private
action It is the desig of this action. It is the design of this committee
to discuss with absolute impartinlity to discuss with absolute impartiality all
the facts which it is the facts which it is able to collect, and
thus to secure for the evidence which it shall present a measure of confidence on the part of the community which is not acofficers to partisan statements." The President, Hon. Seth Low, LL. D., president Columbia College, New York; vicepresident, Charles Dudley Warner, Hart-
ford, Conn.; secretary, Prof. Francis G. Weabody, D. D., of Harvard; treasurer, list of members includes some of the best
known men in the known men in the east.
We quote as follows from the letter to Mr. Storrs, the italics being our own: "I
beg to call your attention to the und ing of the committee of fifty as set forth mittee have already made some important investigations relative to the physiological and legislative aspects of the liquor probem, the results whe which in due time de given to the public.
this problem to economic conditions erty and crime, is now in progress under the auspices of the gentlemen whose names
head this letter.
cerns the part of our inquiry which con pauperismelations of the drink question to your special interest. I need not dwell on the supreme importance of this subject to persons engaged in charitable and reformtemperance with peo clase aperism and liation of in in-
arime is oo are ready to adver that just such percentagesny
vice and misery are due to duvin certained body of fucts demonstrating this
commonly aceepted truth, and which may serve to to quachien int intlligent actioh may
public and private ith hand. It is oure endeavor to collect and
study such facts. To this end we assistance of all who thave end we need the distressing social polave the solution of "It also occurs to me that amona perintendents of the poor, almshouses and reformatory institutions, subject to the control of your board, there may be some sutficiently interested to make local inquiry
into the relation of drink to pauperim or crime.
perhapsthing more can be gained, we can those who come into immediate contact With paupers and criminals. As the cost
of our work is borne by of or work is borne by private subscrip-
tions, we are not in position to offer adequate compensation for services rendered to hope for your valuable assistance in the

The follewing is from a second letter ex "Allow me to explain a plan of ing wairy: investigating the relation of intemperance o pauperism among the almshouse popu-
hation. The only way in which we obtain somewhat reliable statistic ca end themselves to tabulation - and that what we above all things desire-is by means of a schedule innuiry I I enclose :
pecimen of the schedule pecimen of the schedule prepared for use prenensive and adapted to bring out the "ecured. ${ }^{\text {W. }}$. shall not be able to compile our restron before the expiration of a year. As we
hope such investigations will be carried we in different states, it does not seem necessentative institution two or thre
'We are not ready as yet to begin the in vestigation of the relation of intemperance to crime. This will prove the most diffiin all respects to the of schedules, similar ganization societies and others inar cipal cities are now carrying on or printo begin, investigations for our corat to cover all cases looked into by them in ready distributed thoushands of blanks. ments in various places are tocial settle ies for us of the relations of the sud problem to comforts, luxuries, pleasure,
sanitary conditions, the habits of the different nationalite Furthermere we try to get some facts on the question how
far the liquor habit is the cal and moral degeneracy among the Indians and Negroes.
on is about to begin of Labor at Washingthe relations of thegin an investigation of bor and the employment of labor, which
is directly in the line of

## Grange Fresh Air Outing

Dear Patrons: There has been a little necessary delay on the part of the Detroit friends owing to the fact that both Mrs.
Poe and Mrs Clittenden agers of the work last year, have left the ity, but the work has now, been reorganis in running order with Miss Charlotte Mason, 65 Erskine St., Detroit, as agent,
to whom all communications for children, to whom all communications for children,
working girls, or women with babies, working girls, or
should be addressed.
oman's work connitters of the subordinate granges.
State Grange last year. The State Moste has again placed in our hands this brancl dorsed you as. Yur Granges have you not plan the matter before your Will bers, and in a kindly, fraternal sirit mem that each of your Granges take a few of these who so much need a change of air,
rest, and the comfort of just two weeks in I know the
work, hot weather, all I can do "so much there are many worse things than " of work" -no work, poverty, illness, im pure air, insufficient food, long hours in shop, factory or office, poor mothers and poorer babies, -all these are much worse we have to make ready the fre the meals care for, the comfor the mus homes, where "sweet mother love is rest ing, and the feet of children come." It is

THE GRANGE VISITOR.


#### Abstract

such a little more to do compared to the blessings that come with blessings that come with the doing. Mrs. Royce will furnish Patrons from the southwestern part of the state. We are trying hard to get some sort of a starting point in Grand Rapids.

Last week an instance. noticed a strange face, the face of a we we who quietly and deftly waited upon the tables. A pretty black-eyed little girl clung to her, calling her mamma. W learned she was one of the "Fresh Air" folks sent out from Grand Rapids year, and has staid onand on, making herself useful, and is now in a quiet country home earning a living for herself and child. She was ill nearly all last summer and is not well now, but able to work and take Last year we want to do better. Some mistakes were made to be sure. It would be very strange if there were not, and those mistakes, though in some instances they were disheartening, should not, must not condemn the work. The work is a glorious work, and we look to the Patrons to aid in ing many hearts glad by offering to share your comfortable homes for just two weeks with those less fortunate than ourselves.

Remember, Miss Charlotte Mason, 65 Erskine St., Detroit, is agent for that city Mrs. Belle Royce, Baroda, Mich., for southwestern Michigan, and we hope very soon to announce to you soon to announce to you an agent in Grand Rapids. Rapids.

The average daily compensation of railwas as follows: General officers Other officers. General office clerks Other station Engine men Firemen.. Conductors. . Other train men Machinists. Tel. operators, dispatchers Other employees in about the same ratio general oficobserved that the pay of the general officers and office clerks was raised was reduced with that of all other employee remains the same. The total amount of railroad capital in the United States, June 30th, 1894 was the enormous sum of $\$ 10,796,473,833$. (It is estimated that more than half of this is debtedness of the railroads amount of in debtedness of the railroads was $\$ 5,356,583$, 019 . No dividends were paid on 63 , cent of the stock in 1894, and no interest was paid on 17 per cent of the funded debt. railroad in number of persons carried by number of tickets and passes used. The gross inets and passes used.) year was $\$ 1,073,361,797$ roads for this 390,077 less than the gross inis is 8147, previous year. The net income of the roads for the year ending June 30 of the was $\$ 55,755,990$, showing a decrease of $\$ 53,302,064$ from the previous year. The amount paid in dividends in 1894 was $\$ 101,607,264$, showing that the roads increased their indebtedness nearly fifty million for the purpose of maintaining the money value of the stock, through the payment of dividends. The revenue per passenger per mile in 1892 was 2.126 cents, 1894 it was 1.986 cents. The revenue per ton of freight per mile in 1892 was 898 cents, in 1894 it was 860 cents. mile (include cost of running a train one in 1892 ; in 189 all trains) was 96.580 cents little less than one was 93.478 cents, or a aration is necessary for the intelligent discussion of the transportation question, questions before the American people, and Lecturers should not fail to make a report of the discussions to the State Lecturer.

Ripans $\overline{\text { Tabules: pleasant laxative. }}$ Ripans Tabules cure nausea.


## TEA FAILURES

 gaged in the importation of this kind of teas have failed in business. With ready cash we have been able to take advantage of the immense stocks of Japan Teas forced on the market in this way, which will be YOUR GAIN, for we intend giving you the benefit of the immense reduction in prices. Remember we are quoting you the following lots at one-half the cost to import. Because the price is cheap do not think the teas are not good. We guarantee them all to give perfect satisfaction or money will be refunded


## GRANULATED SUGAR

## A Price That Cannot Be Duplicated.

We have just imported a large lot of Granulated Sugar from Germany, so as to be independent of our un-American sugar trust. This sugar is packed 100 pounds in a bag, and is a good white granulated color and very much sweeter than that made by our un-American trust. We have to pay the United States Government a duty of 25 cents per hundred pounds, and pay the freight from Germany to Chicago, but we are still able tosell it for much less than our un-American trust asks for theirs.

TRY A BAG.
100 pounds in a bag. Price.
$\$ 4.89$ A WAIST SENSATION

All our famous 39 -cent waists are sold, but as the public seem to like the price and as we never carry over any garments from one season to another, we have decided to sell all the $\$ 1.00$ to $\$ 2.00$ qualities of Shirt Waists for

## 39 cents

Made of fine Percale, Madras and English Cambric, in latest designs. All have laundered collars and cuffs and full set of studs. Every one fast color and the most perfect-fitting shirt waists made

Think of it! Your Choice for 39 Cents! (Postage 10 cents.) Give your bust measure and the color desired.

THE GRANGE VISITOR.
FRENCH BUHR MILLS College and Station


BECAUSEE the grind more with same

 Roller or minur Systems



OFFICIAL DIRECTORY

nemor yiver


## 



Nomed


Revised List of Grange Supplie Michigan State Grange



## Fertilizers Upon Potatoes.

Quite a number of plots we Quite a number of plots were
devoted to experiments with fer-
tilizers. A large share of them were used to make a comparative
test of the muriate of potash, but
in addition to these in addition to these salts, use was
made of ground bone, bone black
nitrate of soda, wood ashes and stable manure, both alone upon the plots and in various
as explained below.
as explained below.
The soil was a very light sand
loam which had been sown to rye
buckwheat and similar crops fo several years previous to 189 ,
when the land was leased for the use of the station and it was lai
off into seventeen one-eighth acre plots. A strip three eeet wide wa plots, but was planted the same as
the plots. The crop of $189+$ was
greatly reduced by the drouth, and although a considerable increase in yield was found in fertilized plots
ascompared with those unfertilized, scompared with those unfertilized,
the results were so variable that we were unable to draw any con-
clusions as to the merits of the
different fertilizers.
Last spring the plots were laid
out as before and received another
application of the same fertilizer as application of the esame fertilizer as as
used in 1894. The land wasmarked oft three feet each way and the
seed cut into pieces and of a hen's egg. The variety sized
was the Rural New Yorker No Despite the severe drouth they
made a fair growth and the tubers eere of a good size and almost
entirely free from scab. The land
was quite even and as notes were taken from time to time but wot little
difference was observal appearance, except in case of the
"nothing" plots, which were rather weak, and the manured plots which
were somewhat stronger than the others.
The fertilizers used and the reaccompanying chart, the figures be-
ing computed for an acre, althoug. ing computed for an acre, although
only one-eight of an acre was act-
ually used. It will be noticed that the larg-
est yied was secured from Plot 2 ,
which was heavily dressed with
stable manure, and that by its stable manure, and that by its use
a gain of nearly seventy bushels
per per acre was obtained over what
was given by the adjacent unma-
nured plot. A half ration of ma-
nner nure with sulphate of potash and
ground bone in Plot 1
gave nearl as large a yield, while the same
amount of manure with 56 bushels per aree of unleached wood ashes
gave but 142 bushels in Plot 6 . gave but $142 \frac{3}{2}$ bushels in Plot 6.
Strawy manure used as a mulch in
Plot Plot 5 gave $165 .{ }^{2}$ bushels or 8
bushels less than was obtained with decomposed manure in Plot 2. Wit Comparing the yields from Plot
10,12, and 16 with those of Plots 11,13 and 11 , we efind a gain oo
obout eight bushels per acre in obout eight bushels per acre in
favor of the former upon which
the fet it the fertilizer used contained sul-
phate of potash, while in the latter phate of potash, while in the latter
the muriate was used. The average gain from the use
of fertilizer in the plots where of fertilizer in the plots where a eighty bushels per acre, which at
20 cents per bushel 20 cents per bushel would abou
repay the expense for the fertilizer
It dry season does not faver that returns from the use of fertilizers, and that moreover a considerable
portion of the plant food that the portion of the plant food that they
contained remains in the ground, where it can be utilized by a corop
next vear. Figured at one dollar next year. Figured at one dollar
per load the manure was no more
economical that per load the manure was no more
in a seacal than the fertilizer, but in a season with a large rainfall
and higher prices the balance might have been
the ledger.











## To Destroy Insects

## C. Davis in Bulletit. Michigan Experiment There is only one practical meth

There is only one practical meth granary of the most of its insect
pests after they are once well es tablished in the gre once well ess and that is yy the use of bisulphide of carbon.
This is a clear, aimost colb liquid, which is very rapidly con-
verted dinte the air. Oas on being exposed
to the its being heavier than air it settles rapidly
through the arain through the grain and quickly per-
meates the whole of it. It is heighy inflammable, and explosive when Neeping all light and fire from
the yas, or neer where it is confined.
Local drug Local druggists rarely keep the lisulphide of carbon in stock as it
so readily evaporates and the resi-
due is then worthles an due is then worthless, but probably
your druggist would order it for your. Iruggist nould order it it can be ordered by
yourself from some wholesale dry yourself from some wholesale drug
house in one of our larger cities.
We order for our own use of ward R. Taylor, Manufacturing
Chemist. Cleyelt, Mat Chemist, Cleveland, Ohio, as he carbon for such purposes.
sells it at the rate of 10 cents in 50 pound ( 5 gallons) cases: smaller quantities the price will be a trifle higher.
If insects are
If insects are present in the grain
nd it is desired to treat them the ibsulphide of to treat them with
tarbon, one of he bisulphide of carbon, one of
the first things to consider is
whether the granary which the grain is placed is comparatively tight. If it is ver ery
loose and open and cannot be tight y closed, it may be necessary to cemove the grain to a tighter re eptacte, as the gas will escape to
quickly and the insects will merel be stupefied. Wheat bins and bin for ground feed can easily be made
tight enough. If a cover is lacktight enough. If a cover is lack-
ing, wet blankets thrown over the grain may serve as covers.
When the bins containing th grain are tight, one pound of the
bisulphide is said to bo enough for
100 bushels of 100 bushels of grain. For a moderately tight bin, a pound or a
pound and a half to each ton of of injury to the grain either for of injury to the grain either for
food or for seed when used rate. The liquid may be poured directly onto the grain by por distrib-
uting it well over the may also be placed in open dishes or on an absorbant, succe as cotton
batting, where it will batting, where it will evaporate
more
slowly and more slowly and last longer.
Where the grain is more than four or five feet deep in the bins, por-
tions of the bisulphide should bput down near the middle of the grain and about every two or three
feet apart. A piece of gas pipe will be suitable for this purpose. cyside the gas pipe should be a
cylindrial stick that can be drawn
out of the pie as out of the pipe as soon as it is
pushed down into the orrain as f as desired, and then the bisulphide can be poured down the gas pipe.
After the liquid has been applied, cover the grain as quickly as pos-
sibe and leaveit covered for twentyfour or thirty-six hours when itca be openedup and aired. The gas will
very quickly mix with the air when the grain is exposed, so that in a few Aours no ooor can application may betected.
a seond
neessory in necessary in a month or two after
the first is made. The bisulphide of carbon will kill mice and rats, that may be held in the bin, by in-

## ha

In largurious to man when inhaled is in Tecticut eatsee, sufficient food thouglanger in quantities. There is no there is rather less protein (the judgment.

## A New Churn.

Tennsy lania Experiment station. he state a new churn known as the Texas Air Churn. The advantages claimed for this churn are: first,
simplicity in construction: second, simplicity in construction: second,
economy of time third,
fourth the fourth, the quantit
buter produced.
In construction
In construction the churn con sists of an open tub with a flaring
top which holds the cream. In of the a little below the surface of the cream, a hollow tin disk
wapenings into the cream and one large opening at the top
revolves the disk forces more or less ai through the cream, and it is claim-
ed by the patentees shat the air
foreed ed by the patentees that the air
forced through the cream in this manner, although the friction and
agitation caused by the disk must assist more or less, will bring the butter in one or two minutes. The
first trials of this churn at the staperatures ranging from sixty to seventy-six degrees. At these
temperatures the bu tter would
come in from one and a half to two and a half minntes. The quality
of this butter was very taining as high as 4.88 per cent of centage of fat in the butter milk. Aradually reduced, it was found
gerate was that the ripened separator or gra-
vity cream could be churned exhavstively at a a temperature of
forty-seven to fifty two degrees in Them six to nine minutes
The oollowing table gives the rehe Texas Air churn, also seventeen combined concussion made in a Worker in our dairy school last
winter : although not strictly parable, they will answea the purpose of giving some idea of the
meritis of the principals of the two
churn churns.


## 

The mechanical condition of th
The mechanical condition of the chuan was uniformly tuperior Air any the writer has yet seen ; th granules in each and every ; the were fine, flaky, and took the salt round granules so ofteny than the round granules so often obtained in
concussion churns, especially fren cream poor in butter fat. At an average churning temperature of 52 degrees, the butter was firm and
washed easily, often in but one ater. made under the above conditions
gave the following results.
 Texas Air churn as yet d not do justice to the principle of it, respect it will be very materially
improved before it is placed upon improved before it is placed upon
the market.
Dietary Studies at the Unive
ity of Tennessee.
Dietary studies of a students lub and a mechanics' family have
ecently been made at the Universty of Tennessee by Prof. Chivers Wait, under the auspices of the The results are published as Bul letin 29 of the office of Experiment Stations, entitled "Dietary Studies
at the University of Tennessee in 1895." The amount of food con determined its composition were
the tissue-forming nutrients to nose which more especially yie Chas. D. Woods, special agents of the department, have compared these results with those obtained and and entions in hown the points of si. They have diference, and how these results ommonly accepted by physiolo gists. It appears that the students
tissue-forming nutrient) more carbohydrates and fat (the
annot formich yield energy, but he standard calls for. This discrepancy is more marked in Tennecticut. The Tennessee and Con and eggudents eat more poultry beef, mutton, and pork and less
veal than the provided in its most Protein is orm in meat, milk, and othe South obtain considerably more of their protein from vegetable source In every students in Connecticut. the protein purchased was wasted, of animal food. The results of this study bear among opinion quite prevalent
atudents of the subject, fat is consumed considerably more fat is consumed in the South than
is necessary. A better is necessary. A better balanced more of the leaner meats, as beef and mutton, more nitrogenous vegand less fat and starchy foods,
Attention is Attention is called to the great its more general use is recood, and This work at the University of investigation which the Department of Agriculture is carrying on o learn the food habits of people It is not the purpose of such study definite number of ounces of foot a which shall be divided into three portions, and taken at the proper
intervals. The object is rather to teach the uses of food, the values proper combination, and their make the most of available food esources. The man is best clothe qualities and appropriateness, as way a person will be best ne same who understands the needs nourishe body and selects the foods which food is not always the measure of to prepare a palatable, and well-halanced dietary for less his purpose food invendigat fo ill certainly benefit every one ho earns his daily bread.
This bulletin is for sale, as pro iding for the public printing and public documents distribution of ary 12, 1895, by the Superintendent of Documents, Union Building Washington, D. C., to whom all applications must be addressed, accompanied by the price, five
cents, which should be sent by postal money order and not in

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## kind of NOARticular about what NURSER STOCK

 get started right-If you want to get started right-If you want tofeel easy knowing that what you buy will prove to be Healthy and True to Name, write us of Your Grange and learn

We have a large
Apple, Pear, Peach, Plum, Cherry, small fruit plants, and shrubs.

WEST
MICHIGAN NURSERIES,


# PATRONS' <br> Order P. of H. since its organization. House Paints and Cheap Paints for Barrs and Outbuildings, 10.000 Farmers testify to their <br> mertits. Grange Aalls, Churches, School Houses, Dwellinge, all over the land. some of them painted 15 years ago. still looking well, prove them the most durabie. <br> PAINT <br> Proits. Widest Paint House in Amer <br> WORKS. <br>  





CHAPTER XIIL











 August
Aut re rate the bergs chere moving, it
would take only some 10 or 12 minutes tor


 | finally collided. In that moment of daney |
| :--- |
| not a word was spoken. Every man saw | the peril for himeself ato onowary man same tor-

ward to the long sweeps with terribe in.



 sheer above their heads to the territio
heiift of several hudred feet, ilike huge
clift of alabaster.

 monsters
chercil room was left between them for
the boat to poass out, and

 strait, intervened between them and the
waider port of tine interal.
capos of oco obstrated
On and on on








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western pomona grange
met with Silica Grange, at their hall at Dalton, May 28 and 29 , 1896, and were many good things to eat. After dinner
Grange was called to order and the Grange was immediately taken up. An
excellent paper was presented by Sister H. J. Austin of Lisbon Grange, on the
subject, "What are the real enjoyment subject, "Whatare the real enjoyments
of jife and with what class are they
chit chiefly found ?" In which wass claimed
that the real enjoyments of life were that the real enjovments eriefly in the American farm-
found ers' homes, and were promoted by
good health, loving hearts and a sweet good heathit.
contentment.
A recitation entitled "The old and new," by Linda Gordon, was then
rendered.
The subject, "The secrets of succes The subject, "The secrets of success-
fun farming," was discussed at some
ength. length. It was generally conceded
that the most important secrets are
the proper care of all animals and the proper care of all animals and
tools, the proper preparation and cul-
tivation of the soil for growing crops. and last but not least, a grood sensibse and practical housewife. After a song
by the choir of Silica Grange, Sister
Knowles, of Ravena Grange, read a by the choir of Silica Grange, Sister
Knowles, of Ravena Grange, read a
paper on "Home adornment." The discussion was confined chiefly to the
adornment of our yards. They should be kept neat and attractive and
adorned with a few shrubs or well kept adorned with a few shrubs or well kept
flower beds.
The next subject, "The social and ntellectual features of the Grange,
was opened by Brother Chas. Giles or Silica Grange. It was not disputed
that the social and intellectual feature of the Grange are of great advantag to all who improve the opportunity o njoying them, aci that the Grange position he now occupies. A song, recitation entitleded "Fritzes' courtship,
by Milfred Dyre, and music, were the anoyed.
A paper on the subject of "Spray-
ing prepared by Brother Melvin ng,", prepared by Brother Melvi read. Important discussions followed
Music being called for, the orchestra of six preeces responded. Then a vocal
olo entitled, " $I$ don't want to play in solo entitled, "I "I don't want to play in
your yard," and recitation were given Brother Thomas Wilde, of Ottawa Grange, then opened the subject, "The soil," recommending the use of the Sister Knowles gave a recitation en titled "Brains and breeches." after 'se going back to Dixie", music Tse going back to Dixie, music b It was It was decided to hold a picnic a
kiverside Park, August 27 , instead of he next regular meeting. We expec
 Some of the Granges within th ported as not being in as thriving we are not in the least diseouraged.
MRS. BERTHA SMITH, Sec' $y$.

[^0] Inasmuch as our baby is ten years old, his
resting has very hitle connection with my
reading.
What is the mater with that
printer? On second thought, perhaps the reading. What is the matter with that
printer On second thought, perrapps the
question should be...What is the matter
with my penmanship?,

Brother and Sister John Bowditch of
Hillsdale county mourn the loss of an only daughter, who passed away in the fulness
of a avoung womanhood.
na passed appropriate resol Pomona passed appropriate resolutions. We ten-
derto Brother and Sister Bowdith our sin-
cerest sympathy in therr bereavement.

| In the town of Danby, <br> We have a Grange <br> That is very fine |
| :---: |
|  |
| We hold our meeting <br> Every two weeks Whan each has a chance <br> To read, write, or speak. |
| Of contests we plan <br> Which furnishes us <br> With plenty of cheer. |
| At the close of each contes <br> We always plan So that every one present on <br> May EAT all he can. |
| Now this is my first <br> Attempt at rhyme, But hope to do better <br> Some future time. |

Can We Help?
The following has been received in
reply to a letter to Brother Noble, ask ing him if the Grange could help the EDitor Grasge Visiror:- In re-
sponse to your letter of inquiry of the
1ith, in regard to what the thoughont the state can do for the tor-
nado sufferers, will say that the com. mittee of three who were appointed to
investigate and estimate the loss done of the worm have got about one-haport 875000
damage to buildings, stock, furnitur and clothing, while the loss to timber
orchads, growing crops and fencing
ond arge sum.
From what I can learn, there ha been an abundance of clothing douat
ed, but dishes, furniture of all kinds
is lacking in every s lacking in every family, as ever
thing of that nature was totally de
stroyed The village of Oxford has raise
nearly
$\$ 1000$ provisions furnished. Pontiac has
raised 82,000 in cash besides clothing, The reople in these places have
been able to visit the scenes of the erously, and feel imper othed to give ge gens near by ar
eror
doing equally as well. People why only know of the calamity by havin
read accounts in the papers are no
moved to action like those who hav moved to attion like those who have
witnessed the real condition. The
osses exclusive of timber, trees of all kinds
and fences. There has been but about 40,000 in money raised up to date.
Mr. Gillette reliable man, has been appointed b
he governor to receive contribution whe governor to receive contributions,
which will be juatly distibuted to the
ndividuals who deserve it, in accord nee with all conditions entering int Money is at present the only thing
that is needed. Hard times prevent farmers from ut if members of the Grange in thei heys, or organize in whatever way
do somathing for th afferers, their efforts will be fully ap
preciated and their offerings faithfull turned over to the needy.
Yours fraternally,
J. G. Noble.


$\qquad$


## FFARMERS a

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## Ditto by the Passenger. He was a cheerful looking citizen

## Binder Twine mesum

Were the largest sellers in the world


Buy Binder Twine at Headquarters.
FOR THE RIGHT PRICE



Montgomery Ward \& Co,<br>Monarchs of the Mall Order Business bhe ster of all the People.

THE HAMILTON GROCERY COMPANY,


## BIG PROFITS

FRUITS and VEGETABLES providing you use the right kinds

 RASPBERRY, we have a large assortment of Fruit and Ornamental Trees, Small Fruit and Flowering Shrubs.
The $v e r y b e x t ~ t e s t e d ~ V e e g e t a b l e, ~ F l o w e r ~ a n d ~ G r a s s ~ S e e d s-a n d ~ s u c h ~$ full packets yon never did see.
 in advance. Agents wanted. Catalogenes and sample copy free
greening bros., Monroe, Mich.




5mes $=2=2=$


[^0]:    Held its May meeting at South Boston
    Grange hall with good attendance. Re-
    ports of Sonth Bonton, Keene, Berlin. Ban-
    per, and Ronold Granges were given about

