MOST WONDERFUL OF MACHINES．


The most Wonderfal máchine on the ohain of great lakes will be in oper
ntion the coming season on the Carnagie docks at Counneant，Ohio．With ite Tho ehovelers at Conneaut，realizing this fact，regard the new macline wit
 completion．With the new manhine six
time that it requires a force of 100 to do
 same period of time that one laborer can sink his siiovel into the ore in
veseels hold and lift a lew pounds，the scoop of this machine grasps ten tons

Ealifornia＇s Giant Trees Are 马aved．

0000900000006000000000000 $\left\{\begin{array}{c}\text { ALIFORNIA＇S grove of the } \\ \text { Calaveras mamuoth redwoo } \\ \text { trees has beer saved from the } \\ \text { then }\end{array}\right.$ At the opening of the United State
Senate＇s session，on March 6，M
Hansbrough，of North Dakota




These are the＂sequoia giganteas，
or redwoods that first gave Californi her reputation for having the bigges
trees on earth．Through one of them a Concord stage coach may be driven．
The stump of another，thirty feet in ion．
Redwoods like these tower up 200
feet without a limb ard then burst feet without a limb，atd then burst
out into a crown of oliage，rising 100
to 200 feet higher． longed．The elimate and surround
ings of to－day are not congenial and they are slowly dropping their limbs
the wearing away with age and Some of these grooves of trees were
ffered for sale reeently at ridicuously ow prices－$\$ 20$ an acre for larg
tracts that have in some places six



surroundings．
Here Bret Hart located one of his
most fascinating stories，with an In－
dian lover living in a spacious most fascinating stories，with an In
dian lover tiving in a spacious hal
within a hollow tree．Here he hide
and shields from danger of outlaw his paleface sweetheart．What mor
romantic place in which to nonfold the
love of a wild，passionate child of na Many of the hollow trees in th
grove have served the more prosai purpose of homes for miners and pros
pectors．In 1853 one of the larges
trees in the Calaveras grove was cu down and the trunk smoothed off
Five men were busy over three week
felling it by means of burning and the use of pump mugers．The stump
is twenty－four and a malf is twenty－four and a half by twenty．
three feet，and Professor Whituey
counted 10 ． counted 1.25 annular rings，whioh，
making allowance for the core of the years．
That $a$ vast difference exists be tween the ages of these trees is now
geverally accepted as a fact，and thie
tree was evidently of the younger

government guardian＇s cabin，mariposa grove．


uble trolley wire，suspended about tweive inches apart，on brackets sup－
ported on poles along the side of the
roadway；a＂trolley，＂consisting of for thear operation；an alectric motor
forble ocunecting the trolliey
cithible
vehicle running on the street，by
 operation or placing undue strain on
the troiley wires，and go back ward or
forward at will，ascend or descend hills or steep grade．and，in fact，exe－
cute any maneuure that would be ex－
pected of a vebicle pulled by pectea a thoroughfare．
along a
The flexible cable thirty feet long，which twenty－five or
the ordinary troliey pole is duty for to the vehicle at the top of a standard the ground，additional cable being
wound on a drum if it is ren While the trolley wires may make
sharp turns，following curvesor bends sharp turns，following curves or bends
in the roadway，it is evilent that two velicles operated from the same trol
ley wires could not pass each othe
Loing in opposite dire overcome，however，by arranging the
connections of the fexible cables so
that they can instant from oue vehicle to another，all the
fitings being interchangeable．Thus，
if two if two antomobiles met while going in
opposite directious，it would only be
necessary for them to exchange trol leys，by exchanging cable connections，
when they could continue ou their re
shective woys．

Slaughter of nerons．
The battle wage by the Audubou
Society against the fashion of wearing bird＇s feathers and particn＇arly the
ogret has been so effective as to seri－ susly influence the sale of these bits
of millinery．With a view of meeting
the objeotion of women to purchasing
these plumes those interested in their these plumes those interested in their
gale have been very suceessful in their
efforts in circulating the story that the herons，from which the egrets are
taken，are no longer slaughtered，but taken，are no longer slaughtered，but
they are regularly farmed for the pur－
pose aud the egret gathered up when cast by the birds． tigated by the American Ornitholo－
gists．Union Committee on Bird Pro
tection there is absolutely no truth in tection the
the reports．


The lataest advices from collecting
po

a



## －

FOR PARM AND GARDEN．

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諸
During the dronghts and liot days
f the past parching sumuner much
danage to foliage was caused wuor ertain crops and tres，notably sug
beets，cantithowers，cherries an
caplos．The leaves of the

## blight or similar disease，the young

canliflower plants lost many of their
infolding tender blades throngh
parching
parching and death of their margins，
and elierries and maples in certain
alities stood dennded long before
time for foliage to fall．These injuries oceurred soon after days in late sum－
noer when the drought had boen long
continued and wheu hot parching
winds winds made a sulden demand on the
on the plants for more moisture．
That the innury was due to this cause，
$\qquad$ station．

To give the horse a drench or bolus
requires both skisll and patieace with
exceeling gentleness．All solid medi－

inches long．＂Place the right hand hand
flat over the bones of the aimal＇s
nose，grasping each side，thins to
note，grasping each side，thus to
stendy the head，while with the left
hand the operator seizes the tongue， drawing it ont ward to the off side，t，
fingers resting on the lower jaw
nuport．
support．This will secure the tongne
from being drawn ont too fa．The
bolus should be grasped between the first，second and third firger tips of
the right hand aud carried over the the right hand and carried over the
tongune to the back of the month，＂
Withdraw the right hand quiekly and
also telenge the also elense the tongue，instantly
closing the horses month and holding
his jaws togethe．In giving a dranght or drench，which is the liguid form of
administering mediciue，use a horn．
or a perfectly clean tin bottle．Stand


 the bottle，therefore，does not ent
the mouth and ianuries from that
source are entirely avoided． tongue must be left quite free，as it is
a nost effective gagent in carrying
ands onward to the action greatly facilitates the operation
of drenching．＂－Cur Animal Friends．

In the tirst place good cows are
necessity．A serub which gives in different milk half the year is one of
the great leaks on many farms．Net，
cows must tee well－sheltered，well－fed cows must be well－sheltered，well－fed
and kiudy treated，this last being far
more essential than most people more essential than most people
think．Cows which are stabled should
be well brushed and the udder wiped be well brushed and the adder wiped
with a danp colth to prevent the fine
dust of the bern falling into the tian dust of the barn falling into the pail．
This is one canse of bitter milk in Whin coth over it keeps everything
else out of the nilk Tin pans are
easier bept sweet，lighter to handle easier kept sweet，lighter to handle
and I thiuk the cream rises better in them than crocks．
The milk shoold not be covered un．
til the animal warmth is ont of it．The In summe：the pans cau be set in cold water and the water drawn of
when warm and renewed．A shallow
zinc bor，like the tow of A arge box，like the top of a siuk only
laccommodate all the milk of one milking，is handy．1h
box shoold be as deep as the pan
with a spout to let the water off．On with a spout to let the water off．O
bucket of water would be sufficient
cool the milk． cool the milk．The pans can be le
here until next milking or when co
set flat on the cellar floor．A fram set fat on the cellar floor．A fram
of lath large enough to cover nll th
milk can le made with legs two
three inches higher than the Over this stretch nusin nad tans．
tightly．It an be set to one side or
raised ap on end and down aggine
raise
erin
as
lin
it
it
as you want at once．The mus．
lin can be taken off and washed，and
it does amay with somany lids to scour
and sun and the milk is better than When shat up tight
Tin buckets are
creaw．In winter I hang my bucket
up near the ceiling nad ripeur my
cpeann as well as in summer．In sum．
mer I skim sweet and hang in the mer Iskim sweet and hang in the
well，so without ice can make good
butter the year ronucl．Milk nast be butter the year ronul．i．Milik mast
regularly skimmed and the creain re



 aotit in inibeis yhe the buter



 Batey ito eneat mandey，mante nom


 Hoten
 and



 and



 and
 gool a phosphate as the mon have a
buy and at far less cost． Superphosplate is male from bonen
treated with sulphuric acid，which re－ acid is a risky article to bandle，and
 animals were left，but gather them
up and rednce them to fertilizer．Save
all the bones from the kitchen，and

Bran is a good thing for growing In gardening elean enjture is the
chief essential to success． It is the sheep that are kept on low．
wet pustures tanat have the foot－10．
Tue moral is plain． No foot，no ho se，＂so take a look
at the feet of yonr animal often and Probably the most exacting of all
pursuitst is farming，as it requires con－
stant and careful watchfulness Make it a habit to wash the cow＇s
udder before milking．Most habits
are bad，but this is one of the good
ones． Be sure your poultry get some ani－
mal food．The anvice has ben given
often，and those who have often，and those who have taken it are
the ones who are gettiug the eggs． A flock of＂sernb＂sheep will bring
more profit iin the hands of a well－
bred shenerd the bred sheperd than a flock of well．bred
sheep in the hands of $a$＂scrub＂ The weeds will soou pnt in an ap－
pearance．Don＇t let them get the isest of you，for every weed that grows plaut nutriment from your soil，

The cost of engine building in
Switzerland is affected not only by the high cost of shipment of the com－
lleted work，but also by the fact that especially coal and iron，must be im
ent ported from other conntries，Wage
conditions，anso，are certainly not more favorable than those existing in
the work of her great competing
neighlor，Germauy neighsor，iermauy．We swiss work
men stand as high iu respeet to thei standard of living and home comforts
as any of their fellow workmen on the outinent or in Fugland．I can mak Am comparisong with conditions
The dwellingg of the Swis
workmen are certainly a degree leit countries，of and all the couditions of on
life have been strongly infuenced fo the beter by the constant stream o
foreign travel，due to the natural at land a terminal for traveles from all
countries，furnishing examples which
have reacterl upon the standard of comfort of the whole population．－
Professor A．Stodola in Engiueering
Men

The Province of Quebec reqniree
he barber，fi st of all，to be himseli a heat ity subject，fron transmissible
offections．Thea he mnst pass an os－
aminuti n in disiofection

