## 

## CHURNING IN PERSIA.

 2mads in the Shatis Realm Ching to Methods in Vise Thensund" A method so primituve that it is al-

most unnown elsewhere is still used by the Persian nomads in churning their
butter.
In the shelter of the goatskin tent
swung a crusade receptacle, also of goat skin, in which the milk is dumped.
Then it is rocked gently by hand until Then it is rocked gently by hand unti
the separation of the fat from the mill is complete, when the resultant oil

 mass, unsalted, as is all or
is ready for the consumer. In these deys of more interesting people Persian nomad. His home is where night overtakes him, and he sleeps when rily his roof is heaven's starry dome zut in case of storms he crawls into th shelter of his little goatskin tent, wher
a surprisingly large family can be made The Persian. like the Moor, does not encourage the establishment of prisons, method of punishing criminals. Tortur in countless forms is so common a sight falls until taken away by relatives
Chicago Journal:
APPLES FOR THE COWS. There is no better green food than ap-
ples for cows, but, of course, it won't do
to let them have all they will eat at first. as such a course will be sure to make Years ago I had a friend who owned
cider mill and kept a large number of cows. He was careful at first in letting
cows have but little pomace, but after once accustomed to it he let them run in
a field where all the pomace was drawn, gave a large quantity of milk and. Thained
much in flesh during the season. To feed apples or potatoes safely to cattle the
same may be fed by placing the cow in a neck so as not to allow her to raise her
head up quite level with her body. What causes them to choke is, when the
mouth is full they raise the head so high down their throat without being mast1cated. If to be fed out of doors two
stakes or posts may be set into the
ground and holes bored through them ground and holes bored through them
for a rod or pole, and feed placed in a box so the cow can reach it when is very much easier than to take pains
to cut or mash the apples.- J. S. WoodOleo Matiers Are Aetive.
The dairyman who thinks that the
oleo makers are going to stop coloring oleo makers are going to stop coloring
oleo without making a vigorous at
tempt to find a method will not forbid is very much mistaken says Hoard's Dairyman. Ever since the
law was passed all the skill of some been at work on the question of finding a natural color for oleo. At one
time palm oll seemed to furnish what was wantd ntt identify. But what one chem Ist puts together another one can uss-
ally pull apart, and a method of identitying the palm ofl color has been found and the successful manufacture of col-
ored untaxed oleo is still in the dis-
tance.
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## TREES AMONG STUMPS. <br>  She Virginia Horticultural society, writing to the Rural New-orker, says: I gave the matter of planting orchards <br> 

 I gave the matter of planting orchardsin new ground much study some years
since. The result was that we planted
34,000 trees and will set 20,000 more
this this spring, among the stumps. We
cut the trees down, saw up what will cut the trees down, saw up what wil
do for lumber and burn the reston th
cround. Then we plant the trees in ground. Then we plant the trees in
rows very regularly laid off, and hoe
and bush them thoroughly, going over he ground about four times a season-
We are planting rough mountain lan We are planting rough mountain lan
from 1,000 to 1,800 feet above the sea
level. We bush with blades and matevel. We bush with blades and mat-
ocks, and we are very anxious to learn what cheap chemical will kill a stump, and the best way and time to apply it
as the cost of work would be much re
duced if we did not have to take off many sprouts from the big stumps. As
we kill out the growth we use a colter we kill out the growth we use a colter.
putting the land into corn or peas, and will thus eventually give all the or
chard cultivation with a plow. 1 am sat
and isfied that it is a positive advantage
to leave the stumps; they carry the moisture deep into the ground, help the drainage and enrich the soll by decay tree planted by an old oak, hickory or
chestnut stump is the best tree in the chestnut stump is the best tree in the
orchard. I have. At the same time I believe that the more cultivation given to the new ground the better for the
trees. Some people fear that the worms always found in decayed wood will at-
tack the growing trees, but there is no tack the growing trees, but there is no
danger from that source, as the worn
which lves different kind entirely from the worm which attacks growing trees. Yo might as well expect a dove to eat a
hawl's food.
We have in Albemarle county orchards now in fine bearing raised on
above plan. I have been told of a above plan, Thave been told of a
pach orchard, treturns from which
have in recent years run up to s 25 per annum, which was grown among
the stumps. I was talking last year or a man who has one of the largest
orchards in the state, and who had spent a good deal of money in pulling
up stumps and getting the land abso-
lutely coler that if he had to do it over again he
would leave the their advantages as outwelghing their disadvantages, and in addition the cost
of the work was tremendous. He told me that it cost as much to fill up the
hole as it did to pull the stump, which

> REMOVING VINE ROOTS.
 the roots. A wire (b), five feet long,
is fastened about three feet from the end of a nine-foot pole (a a a, or hard
wood sapling, and to a single tree. The
larger end of larger end of the pole should be
slightly bent at the bottom so it will
scoop under a vine. If vineyard rows are long, begin tearing out vines at
center, dump in a pile at each end and
burn--J. B. McDonald, in Farm and
Heme. burn.
Home.
The Variationn In Mikk.
It is diffcult to educate dairymen into the fact that both milk and cream vary reasons that can be given as satisfactory, says Hoard's Dairyman. No cow
ean be kept in such regular conditions
as to food drink and as to food, drink and surroundings that
the composition of the milk will not change from day to day and from hour
to hour. The action of the nervous sygtem of the cow is beyond measurement by any instrument possessed by the ex-
periment station, and until such instrument is invented the reason why a cow
gives 4.5 per cent. milk Monday and 3.5 per cent. milk Tuesday will be beyond
explanation. The men who buy sitar explanation. The men who buy sugar
beets trust nothing to the theory of averages: they sample and analyze every load of beets; the man who mines gold
also samples and analyzes, but the man also samples and analyzes, but the man who produces milk trusts to averages,
and only kicks when he finds his returns sometimes below the poiat that he considers proper.
Nervous cows, like the Jerseys, are somount of butter produced is materially
a affected by the treatment they rectian affected by the treatment they recolva.

TYPEWRITING EXPERTS.

## Ind New Field for Thetr Abilitien Fuy tishing Tentimony in

It will come as a surprise to many
deal of character in typewriting. Were half a dozen operators to use the
same machine, paper and actual words each printing off a dozen sheets, and
were all these to be mixed up indis were all these to be mixed up indis
criminately a practiced eyc could dis
ind inguish each operator's wor
y, says the Chicago Tribune. In a recent law case, wher
engthy typewritten document many sheets was in question, it was
alleged that one of the pages include had been substituted for anothe
sheet. Although to a casual eye al
the sheets seemed to be the work one hand, experts showed that the
spacing was quite different especially
petween the end of one sentence and the beginning of another, and on the
ubstitute sheet the new paragraph began in quite a different position on
the lines, and the letters were shaky instead of upright and firm. And the wholly different.
The experts were unable to trace th person who had done the bogus type-
writing, but they agreed that it was
a woman, a woman, young, at typerritng; that she was nervous,
at
not strong, and that her education was only moderately good.
The writer of the other sheets com-
prising the document was defined from the evenness, correctness and firmness
of the typewriting to be an experi-
wonderful machine.


inches in diameter-larger than any
hand blowereould possibly make. The
glass is perfeet in temper


BUOY LIGHTED BY WAVES.
a arranged. A small dynamo is oper-
ted by the motion of the apparatus, ated by the motion of the apparatus,
and the current is first fed into a storge battery, so that the supply to the
amp may be kept uniform. If the
brilliancy of this light varied with the do tolead the electricity directly to the
lamp. It is said that experiments with

HISTORY OF GUNPOWDER.
Evidence That it Wan Uned Lonk Be
fore the Chintian Era Ia Dircet


onion weeding hoes.
old handle, curved and sharpened from
Inside also; it is shown at (b). A thiril was made from an old hoe (c), cut two nches wide.
All these were kept sharpened by filhoeing. They are used more as scrapes, o be drawn gently across rows. They cut grass and weeds and break the
crust. Without these o not see how I could have cleaned my crop out, as our little winter weeds set close to the ground were the greatest tronble. Have plowed and hoed horough working my crop will be ome.

THE QUIET FARM LIFE.
ore Are Nat Few Falluren, Moral
or Findal, A mong the soil.
or the
I would not try to make every boy a but it does seem to me that we should
impress upon the children that, while impress upon the children that, while
he opportunities to make great forthe opportunities to make great for-
tunes will not often open to them on he farm, there are less fallures among hose engaged wo read culogles on the
other when captains of industry, who have accumumanufacturing, we do not hear of the poor, miserable privates who have
fallen by the wayside, financial, moral and physical wrecks.
Do not teach the children that life's Do not teach the chindren that lifes
pathway is strewn witn thorns and ceaching has already gone forth, and
he masses are pushing, crushing, surg ing and jostling against each other in all this wild rush, we occasionally ently, withals pleasont word and smile making their way through the seething mass of humanity, almost without dis-
turbing it, and reaching the desired toar. "A sorrow and weeping may en-
lure for night, but joy cometh in the morning," so will peace come with ied with consideration for others.-

POTATOMATO PLANT.
Bearn Tomntoen Above and Pot
toen Below and In a Triumph of
An anomaly in grafting, being a plant the roots and bearing fully developed?
tomatoes at the stalk, was brought about by Prof. Grcen, of the Minnesota off the young shoots of a potato vine,
making a V-shaped slit in the top into makich he inserted a freshly clipped
young tomato plant, bound the joint young tomato plant, bound the joint
with straw and supported it by long The tomato drew sustenance from the
earth through the roots of the potato. and in return furnished what wes re-
quired in the way of the action of light ed roots. The plant is now three months old.
On pushing aside the earth several falr-
Iy developed potatoes are shown, fact ly developed potatoes are shown, each
a trifle larger than a large hen's egk. Frone the vines a half-dozen tomatofs
are hanging, In different stages of maturity. Several have ripened and the
others promise to do so, as we!!. the place where the eraft was made There are no leaves at all surgestive
of the potato. The vine in fully three feet high. $-\mathbf{N}$. $\mathbf{Y}$. Herald.
Common ferns may be gattered in
the woods, and packed away in a cool

