## MINERALS IN LIVE STOCK FEEDING

 The kind of stock, the ago, the kind
and quantitios of food fed, the nature
and analysis of the eoil growing ait or
a part of this feed, whether or not

From the foregoing brief comments it would appear that, within certain,
limits, the feeder may contro the min-
eral conotiteent of his limits, the feeder may control the min-
oral constituen of his ive stock ra
tions through the fede tions through the feeds he grows and
uses.
There fol:ows a brief discussion There fol:.ows a brief discussion o
mineral constituents as applying
the ration of the different the ration of the different ouasses of
stocki
Horses-Show fewer conditions at
tributabie tow ributabie to mineral
other kinds of farm stock
Salt regularly Salts regularily;
Ground or puiverized charcoa may be very useful. Feeding a hand
ful or two during the week in grain or mash supplies phosphates and
good digestant at the same time. good digestant at the same time.
3. Lime may be needed in omeme dis-
tricts, and may te adminitered as
ground lime stone in feed or as 11 me ground lime stone in feed or as 1 lm
water in the drinking water. 4. Potassium iodide crystals. admin-
istered at the rate of one eighth of an
 dissolved in drinking wator, would appear highly beneficial in the case or
in-foal mares as a preventive to joint
inl and weakness in foals. Start ad ministering this in November with
the spring bred mare. Cattle Very mare.
 ry making the feeding of leguminous, 2. Supply salt regularly. Iodized salt has special virtues. It may be be
purchhased in biok form or made uppurchased in biock form or made up,
two to four ounces potasslum oodide
dissolved in water and sprinkled over one hundred pounds of dry sait. Mix
thoroughly. thoroughly.
3. Edible bone meal (not fertilizer)
or bone char, where it may be secured, or bone char, where it may be secured,
forms an excellent source of bone
phosphate. Feeding a pound to a Phosphate. Feeding a pound to a
pound and a half per hundred pounds
meal is good practice and may effecmeal is good practice and may effec-
tively supplement the heavy demands
of the high-producing of the high-producing cow.
Where atatle show an anormal or deprereded aptie show an abnormal or for bones, wood,
etc., the result of deficient rations, this condition may be gradually corrected
by the use of a mixture of bone meal,
ground charconl there is considerable evidence pointing from supp.ementary bone meal feed
ing in the matter of abortion infection ing in the matter of abortion infection
control If so, this must ocme through
the strengthening or toning of the sys. control. If so, this must come through
the strengthening or toningof the sys.
tem generally and the genital organs
in particuar. in particu:ar.
char Paiverized charcoal or chick size
charcol may be fed to advantage. one
and one half to two pounds per hun-
dredweipht of meal. Charcoal is high and one-haif to two pounds per hun-
dredweint of maat Chareoal is high
in phosphates in phosphates and is a good absorbent
and cleanerer for the intestinal tract.
5. Lime is best fed to cattle through egumine is best fed to cattle through
in the form oughages. It may be fed
in
sait or or mixed in timestone with sait or mixed in the meal.
Finaly no amount of mineral mix
ture, bone meal, phosphates or lime ture, bone meal, phosphates or lime
will great: chane the condition o
the underfed "straw stack" the underfed "straw stack" cows, so
common. The major consideration in
coll Canada. is better feeding, particularly
as applied to caves, growing stock
and dry cows. and dry cows.
sheep- With one notable exception, rule, have not received or
sheeped to need the attention given seemed to need the attention given
other casses of stock in regard to min-
eral. Subsisting largely on pasture eral. Subsisting largely on pasture
and hay or roughage crops and having
accesss to the earth itse:f, their de. mands seem to be met with a plentifu
and continued supply of salt, prefer

ably rock salt. | work |
| :---: |
| fot |
| right |
| that |


 give you aii-round athletic ability and
make you iore capable in other sports
than anthong else vou cand Wresting will do these doings for Probably the best hoid to take a
you. It wisl make every muscle in man of his feet is the ieg dive. You


## Preparing Bed and Planting

 Preparing Bed aBulbs Heir first b ming season in the bull
to a large extar: and yeta g good soi

## An Attractive Recess.


 set inte one of the walls. Usually
there are drawers below, or an inc.os
ed epace, and the shelves boove for the ed epace, and the shelves above for the
china,
Either these sheives are crammed Either these sheives are crammed
with china in a maner that could
interest no one, or elise they with china in a manner that could
interest no one, or eise they are pack-
led with unsightly odds and ends, and
the whoie conce $\ddagger$ ed by curtains hung the whoie conce:-ed by curtains hung unattractive sight, but a common one
A ceoset of this kind can, however
asily be transformed into something A coset of this kind can, however
casily be transformed into something
very loveiy and strikingly distinctive something that will enhance the inter-
est of the entire reom First the entire room.
Firmove the glass First remove the glass in the doors,
it the framework of the doors is ex-
tremey narrow. But if it is is wide remely narrow. But if it is wide, re
move the doors and their hinges and have a naors and their hinges and
any glass fitted around the without any glass fitted around the oppning
If possible have the board across the possible have the board across the
toparh-shaped.
Paint or stin this framework and all the inside of the recess, including
the sholves, to match the other wood
work of the room. If all the shelve are rounded or cut into an athractive shape across the front so much the
better, although they will seetraight. alhough they will look well
The effect thus produced is that a shallow recess in the wail, and be
ides contributing an interesting dis. tinctive note to the room, will add
slightly to its apparent size, which in many rooms in ipparesirable.
Paize on these shelves any some ornaments, such as bronzes or
pieces of really ornamental china or well. at the bottom. A few colorfu
books, not too large, standing books, not too large, standing securely
between bookends, may occupy the centween of ook-ends, may occupy the
centre middle shelves
Amost anything will A:most anything will be attractive in
this recess, provided one sternly re-
sists the temptation to fill it with ob this recess, provided one sternly re
sistste temptantion to fill with wit
jects that have neither beauty nor in terest. The shelves must not look
cluttered. They must not be filled
from end to end from end to end. Only one object, or
just a few, depending on size, shoul just a few, depending on size, shouid
stand on each sherf. This gives dis.
tinction. Of course the shelves should ot have on them doilies or anythin

The Joss Flower in Bowls. Have you grown the Joss flower in
bow:s filled with pebbles and water Interesting and so easily cultivate species of polyanthus narcissus and is
srown under several poputar nat such as Sarered or Goral poput Lurk Lames Lity of
China and Japan, F.ower of the Gods Water Fairy Lity. A succession o
showy pants mity showy p.ants may be grown for home
decoration by kepeping a reserve of
buibs in a dry cool place, starting bu.bs in a dry cool place, startin
them at intervai.s
The buibs are very large and the flowers are white with a ye:low cup,
borns several on a stem. Each bu produces several flower stems, the
fowers being single and very frag
rant. The cu:tural requirements of the
Joss fower are very simp:e and read-
ily followed. Sheip ily followed. Shailow fancy bowls are
filied to within haif an inch of their
rims with small pebbles and rims with small pebbles and an few
pieces of charcoal, the atter to keep
the water sweet, tel the water sweet. According to the size
of the bowt, one to three or four bubbe
are placed in the bowl, part'y are placed in the bowl, partry) embed
ding their base among the pebbes.
But first score the targe bulb with a
sharp knife But first seore the large bulb with a
sharp knife. running it to a depth of
a quarter of an inch acress the a quarter of an inch across the buib in
both directions. This is to facilitate
the free egress of the shoots which are the free egress of the shoots which ar
dormant in the bulb.
After setting the bulb among the pebbles add sufficient water to cover
the pebibes. The obuls are then placed
in a dark cupboard in a cool room in a dark cupboard in a cool room
until growth commeñces, when they
are removed to a tight position in a are removed to a light position in a
room from which cold drafts are ex-
cluded. During this period a cool room best suits them, and they should
be kept as near tho window as pos.
sibe. Fresh water must bo added
from time to time. When the fower
stems are ahout six inches hight they stems are about six inches high they
should be supported. This can be
dono by inserting pieee of stout wire
in the buib and securing the flower

## 



DISTINCTIVE APPEARANCE AND MODERATE COST




 rance hall, or what would be equally tains a built-in refrigerator with out.
rue,
Its
 really performs the same functions
and at the of it in winter.
ane time is ever so much
$\qquad$ Question. Is a ou-Inch alr space
eetween a the wall and the plaster
 The living room is $13 \mathrm{ft}. \mathbf{x} 13 \mathrm{ft}$. the dimensions of the former, 17 ft x the furring system and the the. Some
and the light problem is well taken 9 ft 6 in., indicate that his wishes patented wall bearing tile forms are

IT FLODR PLAN

## A County Fair Party.

The invitations were huge poster-
like affairs with pictures of horses,
like affairs with peretures of porsteres.
pige and chickns pasted upon them.
They bore hene news that the Hick illle
County Fair wo
County Fair wous that the Hickville
Coet on the fol-
lowing date and that no one but hicks
would be admitted. Al the guests
arrived in costume. The home had been
CAN HANDS THAT WORK BE BEAUTIFUL
arrived in costume. The home had been.
turned into a veritab.e fair-ground.
Rugs had been rolied up and most of
Tonce heard a great artist say: "No ing you will see an improvement
ane's hands are ever beautiful until their appearance. Rugs had been rolied up and most of
the fun nitiure put into one room Gay
pictures and posters hung on all walls,
and in every corne
pictures and posters hung on all walls,
and in every corner was a stand of
some kind. Fach guest was gives a
handful of paper money to spenid.
There was a whoie inw of "nimger
batits mude from corncobs. For the
palt:y sum of one dime you migh

$\qquad$ The husse of horrors was opcil to
any cre for twenty-five cents. It was

full of water and in which floated
cooked spaghetti.
One had to
get to the neet pase, and this required
crawiling throuph an old auto tire. one
had to shake hands with the ghost,
who held out a cammmy hand, an old
water-scoaked g ave.

ical donkey, along the track were num
bers. The guest choosing the number
where the donkey stopped got the
$\qquad$ Hookg had been placed on a small
board and hung on the wall. Under
the hooks were pasted numbers.
the hooks were pasted numbers. For
ten cents you might buy threo rubber
jar rings to throw. Be
keẅpies were the prizes.
Presentiy the
Presentiy the e unch countsr sprang
intop prominence. There you couid buy
piping hot lunches with imitalin
mipne
The
the

