# THE CAMERON INDUSTRIALIST

#### VOL I. CAMERON STATE SCHOOL OF AGRICULTURE, LAWTON, OKLA.

NO. 4

#### CROPS FOR THE SILO.

as the one leading-silage crop. How- green pasture just at the period of lac- but there will be so little of it that it tions. Business men keep accounts to as many, and generally more, tons of tation that she most needs green feed trouble and in the long run will give counts for the same reason, for it is silage per acre on the uplands of Ok- to keep up her milk flow, when the you big returns for your extra a certainty that the farmer has his lahoma, in a favorable year, and much pastures begin to fail, and it is a trouble. more than corn during a dry year, j hard proposition to keep her from The feeding value of a ton of silage drying up early in her period of lacmade'of well headed kafir is practic- tation. ally the same as that made of good Indian corn with the ears left on.

Sorghum makes a good silag'e but is not equal to kafir, as it does not SELECTING BROOM CORN SEED. have as much grain on it. Sorghum has a tendency to make a sour silage, of good broom corn seed, yet nearly on account of the large amount of sugar which it contains. Experiments seed taken from the pile of seed that ing will be stronger and in better mals are being kept at a profit and have shown that the excessive sour- comes from the unselected corn. Corn ness of sorghum silage can be large- in which there are both dwarf and ly overcome by letting the sorghum j become well matured before it is put in the silo.

Nothing is gained by putting- alfalfa in the silo, unless the weather is unfavorable for having, at which time the crop may be saved by putting it into the silo.

Uow peas and peanuts make an excellent silage, but their greatest value as a silage crop is when they are mixed with such crops as kafir when the silo is being filled, in order to make a better balanced ration out of the silage.

Frozen feed stuffs make good silage, if they can be put in the silo before they are dried out by evaporation. Jf they become a little dry before they can be gotten into the silo, water should be added as the silo is being filled to make up for the moisture that has evaporated from the stalks.

P. G. SCRUGGS, Senior. Geronimo, Okla.

#### FALL CALVES.

Where cattle are reared under nat ural conditions, the rule that the standard heads, sprangly or mule weeks complete rest after foaling, af | bringing him the best returns. Many large enough and strong- enough in not of the proper size. digestive power to make good use of the dry feed necessitated by winter should go through the patch every vitality from the colt, and the mare

flow of milk during the time of year main o,n the stalks until the seeds are while she is very hot, as the colt is highest prices. Cows that freshen in and after drying, should be threshed. ly heated milk. the fall will give a good flc.w of milk

HUGH CORWIN, Senior, Lawton, Okla.

Many people know the importance all the seed that is planted is simply

for a longer period than those that thoroughly cleaned, for planting. The Indian corn has long- been recog- freshen in the spring. For fall brush from this seed will be worth

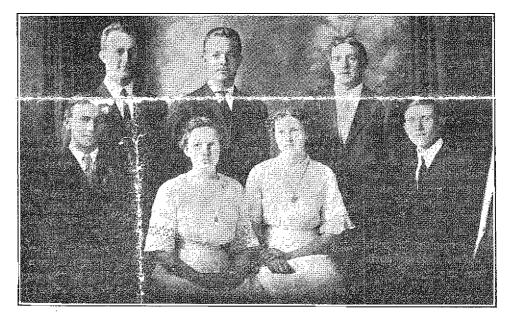
> P. G. SCRUGGS, Senior, Geronimo, Okla.

#### WORKING THE BROOD MARE.

getting- plenty of feed, if the work is swapping work. If the farmer will should always have ten days or two

#### BOOKKEEPING ON THE FARM.

Few farmers realize the real value nized by the north and-eastern states freshed cows can be turned to fresh but little as it will be coarse and red, of keeping accounts of their transacever, under Oklahoma conditions, tation that she most needs it to keep will not amount to much. You will enable them to tell from which they kafir must be recognized as the up her flow of milk, while the spring find that selecting your broom corn gain and ftom which they lose. Why standard silage crop. It will produce freshened cow is in the period of lac- seed in this manner will be but little then should not the farmer keep ac profits and losses as well as the busi ness man. It will take but a few mo ments each day for the farmer to keep accurate accounts of all his transactions, and will often prevent troub-It does not hurt a brood mare to be lesome disputes that so often arise worked right up to the day of foaling, between neighbor farmers, where so, long as she is in good shape and they are always making trades and steady and not too heavy. In fact a keep books as he should he will be en mare that is worked just before foal- abled to, tell which of his farm ani shape to work after foaling. The mare which at a loss. He will also be en abled to tell which of his crops are



CLASS OF 1913, CAMERON STATE SCHOOL OF AGRICULTURE Who have contributed all articles of this issue. Top row, reading left to right—Thos. Stringer, Merle Stringer, Palmer Scruggs. Lower row—Nick Fennema, Virginia Scruggs, Lucile Aurell, Hugh Corwin.

when spring comes the youngsters for seed. When the corn is about taken to keep the collar snugly fitted. are large enough to make good use of ready to head, go through the patch the pasture, and in the fall they are and cut down all the stalks that are should be kept in a box stall, and guided to success in the future,

The seed should then be fanned and

should never follow in the field. After it commences heading, you i Walking so much takes much of the few days and pull all the sprangly or will do better when the colt is not al

P. G. SCRUGGS, Senior.

young be dropped in the spring will tails as they are sometimes called, to ter which .time she will be able to! farmers can tell you about what they continue, but this practice is not nec gether with the smutty and various commence work again. However it j.were worth at the beginning of a ceressarily the most successful, especial other undesirable heads. Yet the far should be borne in mind that she will 1 tain year, and how much they were ly to, the dairyman. Fall dropped mer thinks that because he made a be in a weakened condition and should worth ten or fifteen years later, but calves come at a time when the little fair yield of corn that he is selecting : be worked very carefully. The driv- S there are but few that can tell you attention they need can easily be giv good seed to plant. One of the best er should take particular notice, and i from just what they gained, or lost en. and they occupy but little space ways to select as well as Improve, keep the collar well fitted, for the ! as may be the case. De,es it not look in the barn or shed. Subsisting- on your broom corn seed, is to plant a mare's neck is likely to shrink and 1 reasonable then that a farmer should skim milk with a little grain and hay, small patch by itself to be reserved cause a sore shoulder if care is not keep account books, that he mig-ht look more accurately into his past When working the mare the colt dealings, that he might be better

> P. G. SCRUGGS, Senior, Geronimo, Okla.

Remember that in everything your Fall dropped calves allow the dairy smutty or otherwise undesirable lowed to follow. The colt should nev lessons ought to be made more in acman to have his cows giving a good heads. The choice heads should re er be turned to the mare to suckle tions than in speech, for people easily forget what they have said and what when milk and butter command the all mature. It should then be pulled likely to colic from drinking the over- has been said to them, but not what -they have dene and what has been ! done to them.

#### THE CAMERON INDUSTRIALIST

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#### MAY 1, 1913.

#### **Domestic Science Department**

Lucile Aurell and Virginia Scruggs Seniors

This page of the paper has been reserved for members of "A" Class. We line. will take the material from our note books. We hope it will prove helpful, to those who honor us by reading its contents.

#### DUST.

Dust is bacteria, mixed with finely ground soil, manure and sputum. The air always contains more or less dust, and as many of the bacteria are very harmful, great precaution should be taken to prevent its coming in contact with the food supplies.

The best way to guard against the dust coming in contact with the tofood, in the kitchen, is to keep dry supplies, such as oatmeal, flour and kept too warm. the like, in fruit jars or air tight cans. All meat if not kept in the refrigerator, should be covered with a clean cloth. It should also be wiped off with a damp cloth before it is cooked.

# HOW TO DUST A ROOM.

After a room has been swept it should not be disturbed until the dust settles for about thirty minutes; then the furniture should be wiped off with an oiled or dampened cloth. In this way the dust will be absorbed. To dampen the cloth-sprinkle it with towel as soon as baked. water and hang out of doors until nearly dry and then use.

## RULES FOR MEASURING.

All measurements taken by teaspoons, tablespoons or cups, should be made level unless otherwise specified.

Articles such as salt, pulverized sugar, etc., which readily form into lumps should be rolled or sifted before measuring.

Flour should be sifted before measuring.

.A spoonful of butter melted is measured before melting1. A spoonful of melted butter is measured after melting.

#### EFFECTIVE WAYS OF REMOVING STAINS

INK—When ink is spilled on a garment, carpet, floor, table or other articles that cannot be washed and soaked in milk or water, cover the stain at oven. once with some absorbent, as starch, flour, meal, or shredded blotting paper. This will absorb the ink and prevent its spreading over a larger surface, After the first application cover ing. the spot with fresh material Continue this until the substance applied is no longer soiled by the ink. Then cut the

end off a lemon and rub it gently ov er the stain. Cut the lemon off as it becomes soiled, Continue this until the stain is removed, then rinse in cold or tepid water,

FRUIT-Alcohol softens and dis solves many stains. If alcohol is heat ing. ed it is more efficient. Later use hot water from a height.

GRASS-Alcohol may be used if washable, use molasses, not syrup.

IRON RUST—Apply lemon juice with salt, then hang in sun.

MEDICINE—Alcohol usually solves medicine. For iodine use chlo roform.

MILDEW—Use bleaching- agent, or if only light use buttermilk.

TAR AND PAINT—First soften it by using lard, and then apply gaso-

#### SOME FEATURES OF POOR BREAD.

- Heaviness. Due to-
- (a) Poor flour.
- (b) Damp flour.

- (c) Weak yeast.
- Dough may be kept too cold while rising,
- 3. Put in oven before had time to rise sufficiently.
  - 4. Souring of yeast or doug-h.
- Unpleasant odor or flavor. Due II.
- 1. Yeast or bread sponge has been
- 2. Some of the utensils that have been used were not clean.
- stand too. long- before putting in oven.
- III. Crust.
- 1. Hard and tough, Due to-
- (a) Too slow baking.
- (b) Too poor flour.
- (c) Lack of lightness.
- Crust so soft as to crumb. Due 2.
  - Insufficient baking.
- Bread has been wrapped in appetite.'
- 3. Not evenly browned. Due-to-
- (a) Fault of oven, damper or soot. asbestos should be used.
- 4. Showing spots or streaks of flour. Due to-
  - (a) Neglecting- to sift flour.
  - (b) Not enough kneading,
- Allowing the dough to become (c) hard on top while rising.
  - (d) Too much flour on bread board.
- Crack open on top. Due to-
- (a) Too much flour being worked into dough.
  - (b) Too hot an oven at first.
  - IV. Crumb.
  - Coarse grained. Due to-
  - (a) Dough being too light.
- Insufficient kneading.
- Poor quality of flour or yeast. Very large gas bubbles at top of
- loaf. Due to-(a) Great heat in upper part of
- Crumb is too moistened in cen 3.
- ter. Due to
- (a) Insufficient baking. Too short a time given for ris
- (c) Poor yeast.
- Very dry crumb. Due to
- (a) Too long rising.

- (b) Too long baking,
- (c) Dough has been too stiff.
- Dark streaks. Due to-
- (a) Lower part of oven has not been hot enough.
- (b) Unclean methods used in mix-
- Dark greyish color of the loaf. Due to-
  - (a) Poor flour (not enough gluten). V. Shape of loaf.
  - 1. -Unevenly raised. Due to-
- Too slow an oven.
- (b) Heat is uneven in different parts of oven.
- (c) The dough becoming too light.
- Flour does not stiffen properly.

#### A GOOD RECIPE FOR BREAD.

- 1 pt. luke warm water or milk.
- 3 pts. flour.
- Vi cake veast
- 1 teaspoon salt.

Soak the yeast in Ms c. lukewarm water until dissolved. Add this to the remainder of water, then add salt and enough flour to make a stiff batter. Set the sponge in a warm place, after it has been beaten for five minutes. and let rise. When light add remainder of flour and work the dough until it is spongy and elastic. Set in warm place again until it is twice its size, then mould into loaves and let rise to twice its size again. Put in moderate hot oven and bake.

#### PREPARATION OF 1 TRAY FOR THE SICK.

When preparing a tray for the sick, one should take the utmost care to 3- Tbs dough has been .allowed to make it ns atti-a.etive as possible. One should always place on the tray the prettiest, daintiest dishes in the neat est and most attractive manner-. Al Egg Omolet though the patient may not be allow ed to take a great amount of nourish ment, what he is allowed to take can be made so attractive and temptingthat he will enjoy and appreciate it "Attractiveness stimulate® -the for,

In preparing, dishes for the sick, one should prepare them in a variety of ways, that is, the same foods may be If oven is too hot on bottom a layer of prepared one way at one time and another way the next. This prevents the .patient from becoming tired of the same thing over and over and still he gets the nourishment desired.

#### A FEW GOOD RECIPES FOR THE SICK.

#### OATMEAL GRUEL.

Mix two tablespoons of oatmeal, one-half teaspoon of sugar and one saltspoon of salt. Pour this slowly into two cupfuls of boiling water. Cook in a sauce pan for thirty min utes or in a double boiler for two hours. Strain, add one cupful of milk and bring to the boiling point.

## MILK LEMONADE.

1 T. sugar.

1 c. boiling water.

14 c. lemon juice.

114 c. cold milk.

Pour the boiling water over the su gar and add the lemon juice, and if you have it, add one-fourth cup of Fried sherry. Stir until the sugar is dis-[ solved, then add the cold milk and stir until the milk curdles. Strain through a piece of muslin.

#### JUNKET.

1/2 junket tablet.

1 pt. new milk.

14 t vanilla.

4 T. sugar.

Slight grating of nutmeg.

Dissolve the junket, tablet in one tablespoon of lukewarm water. Put the milk and sugar in a sauce pan. Stir over the fire until about one hundred degress F. Remove from the fire, add the vanilla and the dissolved tablet. Pour into junket cups that have been slightly heated, and add a little nutmeg'. Let stand in a warmplace for fifteen minutes; then put in a cool place for one hour.

### MAY DAY MENUS.

BREAKFAST.

Strawberries Oatmeal

Ham and Eggs -**Buttered Toast** Coffee

DINNER.

Onion Soup

Radishes and Lettuce

Beef Roast Mashed Potatoes Asparagus on Toast

Rice Pudding-

Coffee

# SUPPER.

Cold Sliced Beef Potato Salad

Creamed Tomatoes Pop-overs

Strawberries and Cream and Cake Iced or Hot Tea

> II. BREAKFAST.

Grapefruit

Cream of Wheat

Cocoa or Coffee

DINNER.

Toast

Tomato Soup

Radishes and Lettuce

Fricasse of Chicken Creamed Potatoes Green Peas-

Rhubarh Pie Coffee

# SUPPER.

Salmon Salad .Baked Potatoes Light Rolls and Butter Strawberries and. Cream

Cocoa

#### III. BREAKFAST.

Shredded Wheat with Strawberries and Cream

\* Broiled Bacon

Toast Waffles with Maple Syrup Tea or Coffee

# DINNER.

Corn Soup

Radishes and Lettuce Salmon Loaf with Cream Sauce

Cold Slaw Spinach Apple Pie with Cheese Coffee

# SUPPER.

Mashed Potatoes Chicken Stuffed Peppers Sliced Tomatoes Light Custard Tea

#### MANUAL TRAINING IN SCHOOL EDUCATION.

Many people' talk and write as if school time should be utilized for teaching things that the child does care for, and will not study in after life, but wliile they are young they can be forced into it, whereas, the real aim of school education should be to prepare for their work in after life.' A good time to begun this is while they are young and are inthe public schools.

Ther-e are many things which cannot be learned in school life but if the student is taug'ht to make his impressions in word he will not be as likely to forget it as if he only read it or heard it in some lecture from his teacher. It should be the endeavor and aim of all educators to establish such a relation between school instruction and the occupations of actual life, as to prevent any break in passing from one to. the other. The methods by which we gain information, and ex perience in the world should be adopt ed identically in the schools so that the boy will be able to take care of himself when he goes out into the

In both our elementary and secon dary schools, the demand for - tech nical instruction is a protest against the contrast which has so long exist ed between the subjects and methods of school teaching and the practical work of every day life.

People are always justly complain ing that in- this country children leave school at too young an age, before they can have had time to properly assimilate the knowledge they have acquired, with a result that they soon forget a great part of the little they have learned.

But what is the cause of all this? teen they begin to. feel the want of a school. An industrial school is one in make them understand each other bet technical instruction, they begin to which a single trade is learned, such ter. feel the need of something else bething of themselves in this world. practical that parents would be more house. willing, even at a great sacrifice, to 'Then why is not a manual traininglet their children benefit by it and keep them in school. It is true that the farm? Why cannot he learn to many parents take their children out sharpen his own plow shares, mend of school, for the small earnings the breaks and repair his own machin- lin said he had always noticed that which they may acquire, and because ery, and make some of his own tools; the children do not seem to be getting instead of paying out his hard-earned very much good out of the school money to have it done. work, for they become tired of study benefits of their study. Therefore the and professional channels? ting the good out of their schooling things on the farm. that they should. It is no wonder that the children are taken out of cational standpoint. school and put to work either on the farm or at something by which they boys like the work, therefore they will will be able to make their own way, stay with their studies longer than But if the school teaching had more otherwise. It awakens a lively in direct reference to the work in which terest in school, and invests dull sub the children are likely to be subse jects with new life. The habit of ap sites of successful fruit growing It time it should be from . eight to

their children in school more than minds and makes them interesting. they do at present.

out the many advantages of enabling one is working with wood or iron they must not overshadow cultivation. The children, at an early age, the connec must do their work well, for as it has order of the four fundamentals of tion between knowing and doing.

shop is not great and many are the structor think that he knows how to

In conclusion I will say that a manual training course in our schools may but when it comes to putting it to a that as an educational discipline it different story. serves to train the faculties of obser vation, to exercise the hand and eye from a better understanding of in the estimation of form and size, forms, materials, and processes, and and the physical properties of com- from the readiness with which their mon things; that the skill acquired is principles may be illustrated. Definiuseful in every occupation of life, and tions are quickly grasped by shopis especially serviceable to those who workers, and geometrical construcare likely to become artisans, by in tions are easily seen. Apparatus in ducing taste and aptitude for manual i physics may be made by them, giving work, by tending to shorten the per them practice in the shop and explainiod of apprenticeship, by enabling the ing to them how it is made. learner to apply to the practice of his trade the correct methods of inquiry to its fields outside. which he has learned at school and by affording the necessary basis for cupation. In a great majority of cashigher technical education.

MERLE STRINGER, Senior.

#### THE BENEFITS OF MANUAL TRAINING.

of the term manual training. In a being out of employment. Hitherto literal sense it means the training of men who have cultivated their minds the hands to act in harmony with the have neglected their hands, and "vice mind. But in its restricted sense it verca." But the crying demand of tomeans only the training in woodwork day is for intellectual combined with and iron.

ers through a manual training school, I am sure there would be no-doubts in the Skillful Hand."- It enables an em their mind about the benefits derived ployer of labor to better estimate the from it. But as this is impossible I value of skilled and unskilled labor must endeavor to do my best to ex and to exercise a higher considera plain it to you.

Because at the age of fifteen or six training school for an industrial er and employee, and this tends to as watchmaking, hatmaking, etc., but

education just the thing for a boy on ever been occupied.

Mr. Farmer, why send your boy to ing all the time about things in which high school when it tends to educate the ordinary citizen. They are less they are not very much interested and them away from their natural envi visionary, more matter of fact, and it is impossible for them to reap the ronment and leads them into business consequently better prepared to deal parents cannot afford to make a very does the world need more than any ditions. great sacrifice to see their children thing else? It needs boys and girls, idling away their time and not get men and women, who know how to do

Let us next look at it from an edu

It keeps boys longer at school. The again."

been said, "A bo.y cannot tell a lie in The cost of establishing a small wood or iron." He may make his in-

Science and mathematics profit

Passing beyond the school we com

It aids one who must choose his oc es one's occupation is the result of near wharves usually become sailors, those living in manufacturing towns, mechanics, etc., and if they break First, let us consider the meaning away from this they run the risk of manual traininng, and the manual If I could only take all of my read training school supplies that want as their motto is "The Cultured Mind, tion for the laboring man. Too often Many people mistake the manual there is a great gulf between employ

It stimulates invention. The edu sides book knowledge, they begin to manual training is far too wide and cated man so called rarely makes a see that they must acquire some kind free for that. The aim of the manual practical invention, because he is so of a vocation, if they ever make any- training school is not the narrow one deficient in a knowledge of essential of "learning a trade," but the learn- conditions. The mechanic rarely in Then there can be little doubt if ele- ing of how to handle tools and make vents because he cannot calculate, he mentary education were made more useful things, both for the farm and cannot draw. Add to their educations the missing elements and you have an education that to no great extent has

> The last which I shall consider is that of Intelligent citizenship. Frank "among workmen, good apprentices made good citizens." They are more likely to discuss questions of public improvements with judgment than What with actual people under actual con

> > "The highest culture and self-con scious directive power may stand in ages and conditions. The seed is inthe way of a needed reform. As a expensive, the crop is easily grown matter of fact, it always has fallen under a great variety of conditions, into this error, and is always doing it and the pigs do the harvesting. Rape

#### SPRAYING AN ORCHARD.

feel the responsibility of keeping, what one does, impresses it upon their great deal of attention has been given of rape will a little more than sup-

to spraying, causing many people to It stimulates a love for truth, sim think that it i's the means of salva Nearly all educators have pointed plicity and intellectual honesty. When tion, for the orchards, but spraying fruit-growing is as follows: Tillage, fertilizing<sup>1</sup>, pruning and spraying<sup>2</sup>.

Spraying is an insurance against in benefits which may be derived from it. make a certain exercise, even if he sects. For many years insects may does not understand the details of it, not bother, but every four or five years we may expect a serious attack. be made a part of a liberal education; test in wood or. iron, it may make a An orchard that is sprayed every year is fairly safe from insects and orchards that are sprayed generally carry a better foliage than those that are not.

> An orchard should be sprayed thor oughly or they should not be sprayed at all. Fully half the spraying that is done is a waste of time and material. Squirting a few quarts of water at a tree as one hurries by it, is not spraying- at all. A tree is thoroughly and honestly sprayed when it is wet all over, on all the branches and on both sides of the leaves. An insect or a fungus is not killed until the poison is placed where the pest, is. A bug will not search for the poison in order to. chance or environment. Boys living- please the orchardist by committing suicide. The farmer that . sprays thoroughly will get best results.

Spraying may be done in small or chards with a spraying pump and bar rel on a sled, which is moved along from tree to .tree. In an orchard with large trees, the barrel may be placed on a wagon, and where spraying is extensively done a large tank on trucks is usually used.

The style of pump and nozzle to be used depends wholly on the kind of work to be done. The pump must be strong enough to force the poison to the tree and the nozzle should cause the poison to be a fine spray when it reaches the insect, or fungus.

The farmer should first know what he wants to kill before he begins tospray. There are two classes of in sects, biting and ' sucking. Poisons-, that will kill the biting insects may or may not kill the sucking insects. For sucking1 insects an insecticide is need ed that kills by contact, e, g,, kero sene emulsion, Bordeaux mixture, etc. Biting insects may be killed by any of the arsenites, such as Paris g-reen or London purple.

The time of spraying must be de termined by the farmer. A tree should be sprayed when the insect or fungus is most easily killed, which is for the insect, most generally, the larva Stage. Spraying may also be done to prevent a disease or an insect attack. In this case the spraying must be done before the insect or fungus ap pears.

NICK FENNEMA, Senior.

### RAPE AS A SWINE FEED.

The rape is valuable for pigs of all sown any time from early spring un MERLE STRINGER, Senior. til the middle of August will make an excellent pasture for swine. It should be ready for pasture about Spraying is only one of the requi eight weeks after sowing; at this quently occupied, the parent would plying what one reads or hears to has only recently come into use. A twelve inches in height. A good field

port a drove of swine thereon, so that all concentrates given will go to the question of Claims made for stock the reason that it contains no "filler," production of gain. The wise stock foods, as it does not seem possible It is concentrated instead of diluted. man who has pigs to feed will make that anyone could believe in them. large use of the rape plant, in combination with the legumes, in order to and caused by different conditions in reduce feed bills and increase profits. the system of animals, are claimed to White haired pigs running in rape be cured by the feeding of the same when the dew is on sometimes suffer remedy, which as we shall see, by no from a skin eruption. The trouble is means has the powerful medicinal ef avoided by keeping them out of the fect that the manufacturers would .field until the dew rises.

P. G. SCRUGGS, Senior, Geronimo, Okla.

#### CONDIMENTAL STOCK FOOD.

The co.ndimental stock foods and all preparations of similar composition sold under a variety of names, are mixtures of some well known feed material, like mill feeds, corn meal, proven profitable enough to advise oil meal, etc., and a number of simple herbs, roots and barks that possess or are supposed to possess, medicinal properties; common salt, epsom salt, sulphur, charcoal or coloring matters stock food. Along with it comes di are also added in most cases, to in crease the palatability or supposed medicinal effect of the food, or to dis guise its composition.

Experiment stations have found the principal condimental stock foods ingredients:

Dr. Hess' Poultry Panacea.

(Ingredients)—Wheat offal, red pepper, asafoetida, coinmon salt, ep som salt, iron sulphate, Venetian red, sand, lime carbonate, saltpeter and charcoal.

International Stock Food.

(Ingredients)—Wheat offal, meal, red pepper, gentian, common salt, numerous seeds, and plant tis

Gold Coin Cattle Fattener. (Ingredients)—Wheat offal, per, common salt, sulphur.

Pratt's Food for Horses and Cattle.

(Ingredients)—Com and wheat of at no additional cost to the farmer fal, bean meal, fenugreek or fennel, gentian, common salt, epsom charcoal.

Wilbur's Stock Food.

(Ingredients)—Wheat feed, cereal hulls, oil meal, com, fenugreek, gen tian, common salt, charcoal.

This is what the food is claimed to do for cows: "It keeps the appetite, abortion, garget, milk fever, and daior three measures full a day or about an ounce.

healthy condition, prevents colic or sideration to the subject. kidney diseases, relieves heaves, coughs and colds, expels worms and drugs have been suggested by two of hots, keeps them in a good appetite our experiment stations: and is a great flesh former."

Each one of these foods are claim ed to be the only known remedy for diseases of all animals, and still one gets five feeds for one cent.,

It is a wonder under these condi tions, that veterinarians have been as the list of diseases that may be more days. cured by feeding the food includes, nearly ad of those to which the farm 20c per pound and has four times the trie peanuts that the hogs will make a I duction animals are subject.

It is difficult to treat seriously this foods, on our market as a tonic, for ho.g gets only peanuts for its feed. Diseases of entirely different natures have their customers believe.

Different experiment stations have tried feeding just plain feed and also the same feed with some of the condi mental stock food added animals giv en the same treatment and care have this difference has not, up to, this time will cost about \$4.42 per hundred lbs. any one to purchase this extra feed, because it is very expensive, and does very little good.

A farmer may commence to use a rections for feeding and suggestions as to care of farm stock, and, being anxious to do better, he uses the food stock begins to improve.

The stock food gets the credit, but here named to contain the following it is evident that the improvement cwt. may as well be credited to the better care and attention given to stock af ter the feeding of the stock food had commenced.

> Of course the manufacturer is en titled to credit for the change wrought, no matter whether it belongs to the stock food or the method of, oil feeding and care of stock.

cultural press, the chances are how-

If the farmer considers it necessary to feed stock foods, I would suggest that he purchase the necessary the corn dried up and made nothing, shatter off the leaves. If the weather them in proportions like those given and made a good crop, without which in the afternon, if not, recock carefulbelow. He will save a great deal of we could never have fattened the ly, and repeat treatment until the hay money by doing so, since the compo large bunch of hogs that we had on nents of stock foods on the average hand. cost only a fraction of the price much more concentrated form than in the case of the commercial prepa-This is what the food is claimed to rations. This is a good business poldo for horses: "It keeps the bowels icy, and must app'eal to all farmers loose, w.ater clear, blood cool and in who give a moment's intelligent con-

The following three mixtures of

ronmona.	
Ground Gentian 1	lb.
Ground Ginger 1-4	lb.
Powdered Saltpeter 1-4	lb.
Powdered Iron Sulphate 1-4	lh

value of most condimental stock more profitable gain than where the

#### FORMULA.

Fenugreek 8 lbs.
Ginger
Powdered GentianS lbs.
Powdered Sulphur 8 lbs.
Potassium Nitrate 8 lbs.
Resin 8 lbs.
Cayenne Pepper 4 lbs.
Flax Seed Meal44 lbs.
Powdered Charcoal20 lbs.
Common Salt20 lbs.
Wheat Bran100lbs.

This mixture is so near the average shown very little difference in re stock food that neither the farmer nor they become dry- enough, as they gard to health or fattening qualities, his stock can tell the difference. This

#### FORMULA.

Powdered Gentain 1 lb.	
Powdered Ginger 1 lb.	
Fenugreek 5 lbs.	
Common Salt 10 lbs.	
Bran 50 lbs.	
Oil Meal 50 lbs.	
Cotton and model our be substitute	

Cotton seed meal can be substituted according to the directions and the in the place of oil meal, using 40 lbs. instead of 50.-

This can be made for about 1.50 per

Feed a table spoon full twice a day. THOS. O STRINGER, Senior.

#### PEANUTS.

The peanut belongs to the legume uable stock feed but is valuable as a nitrogen adder to the soil.

By following the advice given as any good southern soil, it seems to the conditions are unfavorable for to the feeding of farm animals given thrive best in a good loose sandy curing the first crop, the most prac in experiment station bulletins, at loam. The peanut is one of the surest tical method is to cut the alfalfa in farmers' institutes, and in the agri hog feeds that can be grown in this the morning after the dew is off, alcountry. My experience with them is low it to barely wilt in the swath, ever, that equally good, if not better, that they do their best when they get then rake, and before night put in i\*esults would have been secured and plenty of rain, but will yield a fair narrow, tall cocks. After the dew is crop during a dry season if they are off the next morning and the surface cultivated well. During the dry hot of the ground has become dry, open weather in the summer of 1911 when these cocks carefully, so as no.t to ingredients at a drug store and mix a.ur peanuts kept right on growing is favorable the hay may be stacked

advantage, while the large varieties give trouble in planting unless they is in the alfalfa stems. hulled. The small- varieties are should be planted in rows about three feet apart using about one and one-tained from the hay, because much of half bushels of seed per acre. For its feeding value is wasted if stacked large varieties the rows should be without any protection.

the field with the hogs, so that they can get the vines before the leaves Mix, and give one table spoonful in fall off. When gathering the nuts work. able to make a living, with this and feed once daily for 10 days, omit for with hogs, it should be borne in mind similar preparations on the market, three days, and feed a,s above for 10 that the nutritive ratio of peanuts is ter feed, for alfalfa hay is rich not This mixture can be obtained for ration such as corn is fed along with, matter, prime requisites in milk pro-

When it is desirable to gather the nuts, the vines should be pulled dur ing the sunny weather. The vines ! should be turned upside down so that the nuts will dry as much as possible. As soon as the vines become dry they should be stacked about a long pole driven into the ground. The stacks should not be made more than four or five feet wide so that the peanuts can dry well. There is no limit to the height of these stacks, so long as they are not made so tall that they will be blown over. Peanuts, if carefully stacked, will keep all winter, but it is best to put them in the barn when sometimes mold in the stack during very rainy weather, and rabbits and the like are very fond of the nuts and will bother the stacks if left in the field. The vines from peanuts cured in this way is equal to alfalfa hay for horses or cattle.

P. G. SCRUGGS, Senior, Geronimo, Okla.

#### ALFALFA HAY MAKING AND FEEDING.

Experience teaches that alfalfa should be cut when about one-tenth of the plants reach the blossom stage, since after that time there is little increase of nutrients, and early cutting materially aids the next crop.

Different experiment stations have family, therefore it is not only a val found four cutting's of alfalfa yield more nutrients than two cuttings. There is practically no difficulty in While peanuts will grow in almost curing any but the first crop. When is properly cured.

Experiment stations have found The cultivation of peanuts should that from 40 to 60 per cent of the good and fattens quickly, prevents charged for the cheapest of them, and be about the same as that of cotton. weight of the alfalfa plant is in the he will have the additional satisfac I prefer the little Spanish peanuts leaves, which carry four-fifths of the ry diseases, also prevents cows from tion of knowing just what he is feed for hogs as they yield well and can be crude protein and over half of the going off feed."-all by feeding one ing his stock and of feeding it in a planted with the hulls on to, a good nitrogen free extract and fat. Three fourths of the fiber, or woody portion,

Alfalfa should aways be stored under cover if the best results are ob-

Alfalfa is about the best if not the The nuts may be gathered by turn best of any roughage that is grown ing hogs into the patch or they may on the farm. It is no.t so valuable for be gathered by hand and the vines road horses, being too laxative, and cured into hay. Horses and cows rel- causing the animal to sweat freely. ish the green vines when turned into, However it can be used to a limited extent for all classes of horses, and largely with those doing slow, steady

For the dairy cow there is no betvery narrow and that if some wide only in crude protein, but in mineral

THOS. O. STRINGER, Senior.