

The Composition and Production of Barnyard Manure.

and when they should be applied. and melting snows By the term manure is commonly meant the solid and liquid ex- pends almost entirely upon the crement of animals, either alone use of fertilizing materials and or mixed with straw or other manures and value of barnyard convenient litter. Sometimes the manure is appreciated more and term is expanded to include all understood better than ever besorts of fertilizers. In this writ- fore by the American farmer .ing we shall limit the meaning to Indiana Farmer. the barnyard product.

Plants derive their sustenance from both air and the soil, and jure the skin and health are are made up of water, organic dangerous. Be beautiful withcombustible substances and inor- out discomfort by taking Hollisganic, incombustible materials, ter's Rocky Mountain Tea. Suncommonly called minerals.

portion of the plant comes from Selma Drug Co. the air and comprises hydrogen, oxygen, and nitrogen. The in-organic or mineral parts come from the soil and include lime, magnesia, phosphorie and sul-phuric acids, chloride, iron, oxthese essential soil ingredients, and some means must be resorted to whereby the lacking elements can be restored.

The logical, and most natural, as well as the best and most kinds, it contains without exlatter is by far the best for general purposes

Chemical analysis of barnyard manure shows the presence of sheep; also it adds warmth to manure shows the presence of sheep, also to do not nitrogen, in the form of ambient the shed. Feed shelled corn or monia, nitrates and other nitro. shipstuff, at least once a day. monia, nitrates and other nitrogenous substances; humus, phosphates, sulphates, lime magnesia get it when they want it. There should be good water in the passonal should be good water in the soda potash and silica.

This is what we may expect; for all these come from the foods of the animals. All these are suffi-

As the farmer cannot control must direct his efforts towards themselves, till the iambs are a with it through experience and by the aid of chemistry so as to old sheep. It is well to look afsupply intelligently the deficient ter the sheep the last thing beconstituents to benefit his crops.

collected in stables on straw or other bedding materials. The from neglect should not be alstraw acts as a valuable absorbent and retainer of the liquids, besides possessing several important compounds to enrich the

The percentage composition of manure varies greatly, depend-ing upon the age and kinds of animals, their foods, length of time and manner in which it is kept. Young animals void less phosphoric acid and solid matter than older ones, because they than older ones, because they had older ones, because they are the build up to be a strength and new vigor. It is strength and new vigor. It is makes you well and keeps you well. 35 cents. Selma Drug Co., A. H. Boyett, Druggist. their bodies during their period of growth. In the voidings of mature animals, where the foods composition of course depends upon the kinds of food.

seen how valuable a good coat dition of some farmers to-day.

of mannre must be to the land.

A regard for the opinion of

the fresh article, and therefore ing methods a century ago would wour subscription for any paper or magazine published in the tion. If stable manure behauled ers, but they are not pursued.

direct from the stable to the field and be allowed to lie without plowing it under at once, it loses none of its fertilizing properties To Liebig, the great German through evaporation. The gaseagricultural chemist of the nine ous ammonia will have passed teenth century belongs most of off for the most part while lying the credit of discovery and first in the stable or while loading on investigating the natural relatine wagon. The remaining amtions between soils and plants monia is fixed in the form of and between soils and fertilizers. chloride or sulphate, both very Chemistry has not only shown soluble compounds. These with why fertilizing agents should be other soluble solids are carried applied to the soil, but also how into the soil by means of rains

Modern successful farming de-

Beautifying methods that in-A great per cent of the organic cents. A. H. Boyett, Druggist,

Of all stock the farmer can innecessary to good soil, and ful. expensive shed may be made in home.fils all the requirements for producing perfect, cultivated crops.

Farmers who have used both the farmer's house. This shed commercial fertilizers and old fashioned barnyard manure side, at least far enough to perknow from experience that the latter is by far the best for general purposes.

mit the sheep to go in and out at leisure. The loft of the shed may be filled with fodder or hay, to have handy to feed to the ture, where the sheep can have free access to it.

Give special attention to the of the animals. All these are sufficient to supply the missing components of any soil. The most important of all the constituents of manure are line phosphates and potash.

There is not a successful business man, and certainly not a successful farmer, anywhere, who is successful farmer, anywhere, who can thrive by working only eight hours a day. The employers of the lambs, or they will perish. It the lambs, or they will perish. It is best to remove the ewes and the composition of the air he new born lambs to a stall to the soil and familiarize himself few days old, or strong enough fore retiring at night, as they Generally speaking, farmyard are one of the most profitable animals the farmer can keep, solid excrement of farm animals, and the loss of the young lambs and maybe the mother sheep lowed.

Sawdust is the best bedding to use, as straw works its way in the wool and damages it.-Indiaan Farmer.

Hollister's Rocky Mountain Tea is simply liquid electricity. It goes to every part of your body, bringing new blood, overworry ailment-but few, even parties were present.

Farms and Telephones.

A principle recognized by all are not all assimilated, we find a men is that association, the conbetter grade of manure. For tact of one man with another, the same weight of food cattle brings about better business produce more dung than sheep conditions. Thus a man who and sheep more than pigs; the organizes a company does not try to isolate himself from manpon the kinds of food.

Practically all the mineral subciates with other business men. stances and ninety per cent of Just the ignoring of this printhe nitrogenous compounds of ciple, this lack of close associa-the food of animals are recover- tion with his neighbors, with ed in the solids and liquids ex- people in nearby communities, is creted; hence it can be readily perhaps responsible for the con-

A regard for the opinion of Well fermented manure is bet- others is responsible for most ter and more concentrated than up-to-date movements. Farm-

Contact with civilization is the first step towards converting a people who buy the product the farmer raises is the first step towards bettering the farmer's condition.

munication is impossible, but use of the telephone, to which distance is no obstacle.

The use of telephones in farm four or five years is strikingly unnecessary trips to town, and driving around the neighbor-gotiated reciprocity treaties. ment. He assumes the attitude of a thorough business man, and business career.

the price which the product is treaties to insure trade with cervest in, sheep are among the bringing and the demand, before tain countries. most profitable and are about wasting a day's labor, and the the least trouble. They can feed services of a team in a useless ide, potash, soda and silica. Continuous cropping will in time impoverish the land by removing the land by removin what the farmer of to day has showing made by our manufac summer—pasture that would not be of use for any other stock —and, if there is enough of it, they will begin the winter in good flesh. The farmer should summer of to-day has showing made by our fured exports as compared to our exports of raw material," said Senator Overman. "The cotton products of man. "The cotton products of man." see to it that they are in good market, will mean fairer prices. the South are increasing every flesh. If he has not permanent Farming to-day is a business valuable method of soil restora- pasture, he should sow rape for and must be conducted strictly tion is by the use of barnyard this purpose. The sheep may be on business lines. Every modern manure; for, unlike all other brought to the barn and stabled, business help should be sought to cotton goods in England and during the winter months, but by the farmer, but first of all he ception all the constituents this is not a necessity, as an in-should put a telephone in his Northwestern Agricul-

Edison on Work.

In the light of the present eight hour schedule, it is interesting to read the statement of Edison, the famous inventor. that Americans eat too much. sleep too long and do not work hard enough for their own good. Mr. Edison began life as a poor telegraph operator. He never asked a union how many hours he might work. Neither does any other man who makes anything out of himself.

these very men who are striking, ready to take advantage of its work ten and twelve hours a day commercial opportunities? I beto devise plans whereby to keep the business off of the rocks and commission as I propose to do to increase the volume, thereby increasing the jobs for the em. splendid work that will benefit the whole country."—Washingployes. It takes more than eight | ton Post. hours, except for a genius, to ac complish success in this world of competition, and even when we get close to genius itself, we find that genius is defined as an infinite capacity for hard work.

There is work which is drudgto overwork.

among strenuous Americans, overwork. Edison is right .-Northwestern Agriculturist.

Divorces Increasing Everywhere.

States from 1869 to 1901, 700,-

Men and women whose homes Children deprived of home influence, about 4,000,000.

Number of divorces in next 34 years at same ratio, 30,000,000 Divorces granted in United States in 1904, about 100,000. Divorces granted in Great Britain in 1904, 606.

Divorces granted in France in 1904, 9,401. Divorces granted in Canada in 1904, 69.—Washington Post.

THE HERALD office will take

WANTS TRADE COMMISSION.

savage race. Contact with the Overman Would Spend \$500,000 Drumming Up Business.

Senator Overman, of North Carolina, probably will introduce Distance is a factor which has in the Senace to-morrow a bill offered more opposition to the providing for the establishment development of the social life of of a world market commission the farmer than anything else. to investigate market conditions With farm houses a quarter of a throughout the world and make mile to several miles apart, the such recommendations as will farmer's home must be secluded. promote the export of American In some season's outside com- manufactured products. It provides for a commission of ve the farmer is awakening to the members and the employment of experts, to last three years, and to cost not more than \$500,000.

It is stipulated in the title that life does not date back very far, the commission shall "consider but the percentage of increase in ways and means for enlarging the number of farmers who are the export trade in cotton using telephones during the last products and other manufactures of the United States." large. Each year sees the awak- sis is laid upon the need of the ening of many farmers to the fact that the telephone is just what is needed to give the long sought privileges of the peoplein paratively small manufacture of paratively small manufacture of more thickly inhabited districts. cotton goods in the South. The When a farmer puts a telephone commission is modeled somein his home it is time to watch what after British and German him grow. He stops making commissions that have made such investigations and have ne-

Senator Overman said at the which can now be had in a mo- Cochran last night that he did not intend that the commission should go into the tariff probreally starts upon an up-to-date lem, as it should be non-partisan and for the benefit of all manu-Does it not seem foolish for a facturers. It is considered likely farmer to hitch a team of horses that the bill will meet with favor ter's Rocky Mountain Tea. Sunshiny faces follow its use. 35 cents. A. H. Boyett, Druggist, Selma Drug Co.

Care of Sheep in Winter.

year. The South exports more than 7,000,000 bales of raw cotton, which are manufactured insent back to South America where \$52,000,000 worth were sold to Argentine alone last year. Why should we not get that trade instead of England?

"Why should we not manufacture the cotton goods if we strike of union printers for an can get a market for them? This commission is intended to help find that market.

"And so it is in all lines of export. Germany sent out experts, who found what the countries to which they went wanted. They so informed their manufacturers. and they got the business. Why should we not do likewise? Instead of spending tens and per-haps hundreds of millions upon subsidies for American vessels to There is not a successful busi carry the goods of other nations. lieve the time is ripe for such a

A Quiet Home Marriage.

A quite home marriage was solemnized yesterday, Nov. 29, at high noon, when Dr. S. P. J. Lee and Miss Lizzie Wagstaff ery, but usually it is the mere were united in marriage at the drudge who is doing it. With a home of the bride's parents, Mr. man of right spirit, in good health, it is almost impossible D. F. Putnam, of Benson, spoke the magic words, which changed Millions of people overworry—
and it is not always the wageearner who is the victim of the diate families of the contracting

The bride wore a going-away gown of gray cloth. The groom was attired in the conventional

Immediately after the cereedthe northbound train for Washington, Baltimore and other northerncities, in which place the have been broken up, 1,400,000. honey-moon will be spent. They will be in Norfolk Thanksgiving day to witness the foot-ball game between the Universities of a. and Carolina.

attractive daughter of Mr. and Mrs G. C. Wagstaff and has a large circle of friends wherever

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