NOTES AND COMMENTS.

Among our first improvements in Porto Rico we shall have to include cycle e cel'ars.

Europe does not think much of this country's political machinery, but takes very kindly to its agricultural machinery.

Russia has decided that when university students get too gay when talking against the government they will be drafted into the army for five years.

trust has come to stay.

Gold is fast becoming a secondary consideration to California. Herfruit and in such cases the mistake is irreand vegetable exports, together with parable. her fish industry, is rapidly taking precedence of her metal products,

When we remember that in Great Britain pagan rites, ceremoni s, and doubt whether Asia and Africa will Theoretically, Queensland is a magbeliefs are still extant, we may well be "Christianized" in any proper nificent field for the energies of colsense of the word within any con- onization, but in practice, with no ceivable time.

Paris is the only city in the world where a man who has been indicted for crime, can lock himself in his house, make mouths at the officers of the law and harangue mobs from his balcony. It is "Gay Paree" sure enough.

A New York newspaper comments on the fact that Admiral Dewey was considered 'the dude' of army and navy circles in Washington several the testimony of Napoleon that his cause when golf is played by everydandy officers were his best.

pidity observes the Boston Herald.

good progress in his new work of dis-

suffering and much abused beast of quet will come in again. barden is surely not far off.

\$11,200,000 and showed the population of the country to be 62,600,000. The population had doubled in the expense of the census was six times

The popular tradition that no mule ever died a natural death is based largely on fact. Mules are drowned, they fall from bridges, they are exploded by dynamite, and they die in battle as did the gallant creature at Matanzas, but they seldom expire peacefully in lots or in their own stables surrounded by home comforts of fodder and a straw bed. In Arkansas it is the common belief that when mules have done their appointed work they dry up and blow away.

An Iowa farmer is now trying to solve the question as to the difference touching safety, as between his bed and the bank. He left \$800 in gold between the mattresses one morning, and on his return found it gone. He is rather inclined to give preference bility of finding out who took it.

a serious mistake. A censor of re- school fellows that what finally deligions has been appointed, who is to cided him to "chuck it" was his being be in absolute control of all matters asked to play tennis with three other pertaining to religious worship. As German princes, and finding they had there are large numbers of American balls fielded for them by a squad of and European residents in Japanese cities, this new regulation will likely lead Japan into difficulties with other nations, unless the censor be a man of exceptional toleration and good judgment.

It is not many years ago that farmers in the west were compelled to burn corn for fuel. Railroad freight rates were so high that there was no profit in sending the crop to market and corn was used as a substitute for wood and coal. This season the farmers of Kansas have the largest corn crop in the history of that state, and, in spite of the low price of corn, as compared with twenty years ago, every bushel of the crop will be marketed that the growers see fit to spare. Reduced freight rates have made this possible and as has been experienced before, the railroad companies as well as the farmers will profit as the result.

Over-irrigation, says the United never talks back." States Department of Agriculture, resoils in California and Utah. The nal.

water applied to the soil seems to bring the salts to the surface when it rises, and in some instances the lower portions of streams have been rendered alkaline by the return of these salts from the irrigated fields. Experiments are now being made to find the least quantity of water that can be used under these conditions, and for given crops in given localities, One advantage of such demonstration is that more land can be watered from a given source with greater economy in the use of water.

The fact that several English girls of good family have become enamored of the Matabele at the show in Lon-The New York Tribune paragrapher | don, and that one has married a black hastens to anticipate the rest of his prince, does not speak well for the tribe in the remark that the corset common sense or the good taste of these young women. The Matabele are among the most brutal of African The cotton crop of the south, as it savages, and the situation of a white reaches the ginneries, is worth \$300,- woman among them would be some-000,000, and as it finally reaches the thing worse than that of the white consumer is worth almost \$1,500,000,- wife of a Chinese or other Oriental. Experience always shows these foolish women the ghastly mistake they have made, but experience is costly,

Australia is a type of a country populating in advance of its development. The Government of Queensland has been encouraging immigration, and now there are in the colony au enormous number of unemployed. capital and no leaders to develop the resources of the country, it is a desert of abandoned hopes. Other parts of Australia are but little better off, but at all events their governments have not the sin on their shoulders of maintaining agencies in Great Britain that induce the worker to leave his home and "hump the bluey," which, being Americanized, means "carry the banner" in Australia.

Here is the Providence Journal, which knows a lot, predicting the decline and falling off of golf in the years ago. What if he was? We have near future. For what reason? Bebody, the people who are not everybody will want to play something else. The annual swordfish, with more "There was a period when lawn tenthan its usual annual frequency, has nis was the most fashionable of our been plunging its annual sword out-of-door sports, but its rapid through the annual two-inch planking spread in popularity and its vogue of the annual schooner, and just es- among all classes led at length to its caping transfixing the annual sailor, abandonment in large measure by the in accordance with its annual stu- class of players who had first devoted themselves to i'-the class that now plays golf. When gaudy red Andrew Carnegie is making pretty golf coats can be bought for next-tonothing prices at the ready-made tributing his wealth. Since issuing clothing stores, and every village has his declaration of devoting the re- its links, what will the original enmainder of his days to doing what thusiasts for the game in this country good he can with his money he has introduce in its stead ?" Something given away over half a million, in- else, assuredly. There was a time cluding \$250,000 to an English col- when the British nobility played croquet; you can find them playing in Disraeli's novels. Croquet went An automobile carrying three and by the board when everylody took a half tons has successfully made the it up. So did lawn tennis; and now journey from Liverpool to London golf's warran: is signed. Archery two hundred and twenty miles., The has failed to catch the fancy of society. emancipation of the horse as a long What will come next. Perhaps cro-

Many were the people who envied The Federal census of 1860, the the late Henry C. Hyde his salary of year preceding the civil war, cost less \$100,000 per annum as president of a than \$2,000,000 and showed the pop- life insurance company; they wonderulation of the country at that period ed at his death that he had only acto be 31,300,000. The Federal cen- cumulated \$550,000, and concluded sus of 1890, thirty years later, cost that a man on a salary can't save much in these days, when millionaires turn their money over and over again in trust deeds. Now comes intervening thirty years, while the another subject for wonder and envy. for Vice-President McDonald of the Standard Oil Company has taken up his residence in New York City, to assist President Rockefeller, and his salary makes those of the other corporation office-holders look like thirty cents-for he is to receive \$200,000 per annum, \$16,666,66 per month, \$548 for every day in the year, Sundays included. Up to the time of his death Hyde had received the highest salary ever paid in the United States, Depew as president of the New York Central, having been credited with only \$75,000, McDonald is now the highest paid, and only a trust of the colossal wealth of the Standard could so reward any employe.

A Story About Prince Arthur.

A good story is told in Mainly About People regarding the Duke of Connaught's son, young Prince Arto the bank. Had it disappeared thur, who was overjoyed at the fact from there there would be a possi- that he had got out of the Saxe-Cobourg succession. He was sent over to inspect his possessions, and on re-Japan has made what seems to be turning to Eton he confided to his soldiers, who saluted at attention each time they handed the sall. This was too much for the healthy, independent English schoolboy, he explained, so he promptly decided to remain Eng-

Use of Drinking Fountains. One of Boston's municipal officials, who is especially interested in the establishment of free ice-water fountains in that city, hired a man to watch one of the drinking places the other day from 6 a. m. to 10 p. m. for the purpose of ascertaining whether or not it was well patronized Between the hours named exactly 9,335 persons drank at the city's expense. The fountain has four faucets.

Yain Regrets.

Mrs. Gadabout-"Our new servant Is a jewel. She cooks beautifully, is very economical, never goes out and

Her Husband-"I wish I had met her sults in excessive alkali in certain before I was married .- New York Jour-

FARM AND GARDEN NOTES.

CULTURAL TOPICS.

Take Off the Harness-Fattening Young of odor to be absorbed which made it for Hens., etc., etc.

Take Off the Harness.

The habit of permitting the harness to remain on the work horse during means of ridding milk of odors, not to the noon hour is as lazy as it is cruel. mention its power of destroying fer-The harness should be stripped off as soon as the horse is brought in, and he should then be turned looose to roll shoulders and every place where the of usefulness and is successful in reharness presses or rubs perfectly clean. At night the grooming should be repented. This to the horse is as refreshing as is a bath to a tired man.

Fattening Young Geese.

kept as quiet as possible; no excite- W. Mossman, in American Agriculturment whatever should disturb them. Ist When feeding, approach them quietly, and do not irritate them in the least, or they will not fatten, but will "throw between eight and ten pounds.

The Guinea Fowl.

It would be a good plan for all poultry raisers to have a few guinea fowis about their poultry premises, says Poultry Herald. They are hardy, good natured and beautiful. It is well to keep them as tame as possible, and always have them around the home, as they make an excellent "watch dog," their shrill cry frightening away hawks and prove profitable for eight or ten years, and no farm should be so crowded but that it could make room for at the fields of seeds that would other- cession. wise go to waste, costing almost noththe turkey.

So long as the weather is dry fowls on some farms a cutting of the fields will find ways of cleaning the vermin almost in half. But that would not from them, and taking their kind of a be too great a sacrifice to make. In bath by rolling in dry earth, out of the end we would be in pocket. Rais. ing trait of her race. doors, if given the chance. It will ing a succession of crops on a given usually be in the garden, too, especialusually be in the garden, too, especially melliple in the cost of cultivation. It saves stroyed the faith of the entire race in white people, but when their confi. low bed for the growth of the seeds that he regards as the choicest. The flower bed nicely leveled and smooth, more humus to it, and makes the plant peons and their masters is often simand as mellow as an ash heap, is the food more assimilable because of the lar to that which existed between knee point, and a hole about three feet hens' favorite place. But it isn't fair to blame the hens too much for what the elements. A proper rotation of members of the kindly families in of it baked hard with burning wood. after all is the fault of her owner. The crops always includes clover and which they had been reared.-William Most of these faggots are then removhen won't go into the water and wash other plant food-making crops, and Elroy Curtis in Chicago Record. herself to keep clean. If a rainstorm this turned over will fill the soil with comes on, she cools her feathers with all of the green material needed. We oil to cause the rain to run off and thus keep up the quality of the land keep herself dry. Rolling herself in and its high fertility. fine soil or coal ashes so as to fill her | We have just learned that the soil is feathers full, and then shaking herself, very much like our bodies and brains is the hen's way of keeping clean. If in one respect-the more you use it you will keep some fine soil in a large the more it is capable of producing. box under shelter, where it will be al- That is, soil does not need rest at all ways dry, the hens will patronize that if it is properly cultivated. We put in whenever they need a bath, and they it as much as we take out of it, and will keep themselves free of vermin, we develop and strengthen it by plowwhich they cannot do in a wet time ing and harrowing it. The old idea unless some such dust bath is provid that the soil had to remain idle for a ed. Coal ashes are finer than road time to recuperate is just as wrong as dust and are therefore better. Some to suppose that the properly used should be kept for this purpose. It brain needs idleness. Change of occumay be well also to have another box pation is the great essential. The soil able quantity is consumed in the manuwith dry earth on top and some moist needs change of crops and not rest. facture of hair tonics. The official figearth below for use in extremely hot Give it this and good tilth, and it will ures in the Treasury Bureau of Statisweather. Hens are very sensitive to continue to produce large crops until heat and one of the reasons why hens doomsday .- A. B. Barrett, in the Cultiprefer to take dust baths in summer is vator. because in digging down to roll they will find moist, cool soil to roil in, Therefore 'n summer the dust bath inches of dry soil on top.

Animal Odors in Milk.

To find out how animal odor gets into milk. I took two one-plat fruit jars, washed them perfectly clean, adjusted the rubber rings, screwed the covers down and took them to a stable at milking time. The air in the stable seemed to be moderately pure, probably not better than the average in such buildings. As soon as a cow was milked, the cans were filled two-thirds full of the warm milk and the cover of one screwed on tightly and the can at once submerged in very cold running water until thoroughly chilled, then placed upon a shelf until morning. The other can was allowed to remain open on a shelf back of the cows until after supper, when it was closed up for the night.

In the morning both cans were shaken up, opened and tested for odor. No mistake in determining the one left open need have been made, in fact a man was called who detected the stable odor in this one, without previously knowing of its presence. The sample which was chilled also had an odor. but not an objectionable one, Each sample was then poured into a glass flask and slowly heated. As they warmed up, the opened one gave off a noticeably disagreeable odor which entirely disappeared a little later. The other, or the chilled can, showed nothing offensive during the heating. In fact, it gave off a rather clean, pleasing odor such as emanates from

pure milk while heating. The indications from this single test | 00%.

to the milk while yet in the udder was not in this instance, at least, of such | How the Indians of Equador Carry on NOTES OF INTEREST ON AGRI- a nature or of sufficient quantity to demand aeration. The exposure of the milk in the stable atmosphere for a short period only, caused an amount Geese - The Guinea Fowl .- Dust Baths highly desirable to remove it by some such means as aerating or heating.

are that the odor imparted by the cow

The fact that the odor passed away on heating the milk indicates that pasteurizing is one of the most efficient mentation.

Aeration, which depends solely upon air which is either forced into the milk be rubbed, pains being taken to get his in a finely divided state, has its field characteristic is melancholy. They or which comes in contact with milk moving odors. Such aerating is much and look upon all strangers with susvalued by cheese makers and others, picion. and if the air brought in contact with the milk in aeration, is of a low temperature and free from germs, this method cannot fail to be of great ser- but in the market place on the spot vice but as these requisites are an un-To fatten young geese, place them certain supply with most of us, esin a pen, not too large, so that they pecially during the summer months, though travelers upon the highways will not exercise too much, and feed when most needed, we still hold to the three times a day all they will eat up old idea of clean milking by clean to market bearing heavy burdens of clean of the following: Cornmeal mix- hands in as pure an atmosphere as obed to a dry crumbly state and beef tainable, followed by rapid chilling scraps amounting to twenty per cent. and agitation-the latter omitted, of of the bulk of the cornmeal. While course, in case the milk is to be fattening young geese they should be creamed by the gravity process .- F.

Crop Retation.

out" or grow another crop of feathers. field or garden is really very seldom At ten weeks of age, or when the tips carried on from year to year, although of the wings reach the tail, they are the value of such a rigid system is not ready for market and should weigh disputed by any. Very few of us can plead ignorance to knowledge of the subject, but the pressure of farm work makes us lax, and we constantly undertake to do more than we can well. That is the danger of American farming more than it is in ordinary lines of business. We like to do everything on a large scale, and with plenty of land to cultivate it seems a waste to let it stand idle. So we try to cultivate it, and only half succeed. After the first spurt in garden making our zeal dies out, and the sucand other marauders. They will live cession of crops of radishes, lettuce. peas, beets and similar vegetables gradually yield to less variety, that demands less time and attention. Seed least one pair of them. They destroy sowing seems to come too often dura vast amount of insects, and clean ing the busy season for a proper suc-

To my mind I believe we would all ing to raise, and no better meat can be be richer at the end of the year if we found in the poultry line, unless it be attended strictly to this crop rotation, and abandoned every part of the farm that we didn't have time to cultivate up to this standard. That would mean

Poultry Notes.

Keep the moulting hens out of the should be moist below with a few rain and do not let them roost in trees. Nice plump-bodied chickens always find a ready market. Try to supply that kind. Gather a few barrels of road dust

for the hen's bath this winter. Repair all leaks and cracks in the poultry house now, and arrange tho scratching shed for winter. Don't expect your hens to lay when

you neglect them, and then complain that there is no profit in poultry. Don't let your fowls roost in a damp house, and then wonder why they wheeze and have swollen heads.

One hundred hens will consume one hundred pounds of grit during the year, and still some people foolishishly neglect to supply it. Don't neglect to give fresh, cool

water to the fowls twice daily. Many of the so-called diseases have their origin in a failure to get pure water.

thirty hours.

In the first six months of this year landed in England was over \$15,000,-

FOLLOWING PRECEDENTS

owns an inch of real estate and most of them are more or less in a state of slavery under the planters or haciendados upon whose estates their families have fived for centuries. They are short, broad and muscular, with skins of copper color resembling that of the North American Indies, long, straight, shiny hair, and scanty beard or mone at all. They resemble the Pueblo Indians of New Mexico, and the Aztecs of old Mexico. Their predominant

The Indian of the interior is so suspicious that he will sell nothing at wholesale, nor will he trade anywhere where his forefathers have sold garden truck for three centuries. Almeet numerous Indians on their way vegetables, forage and other supplies, and driving a drove of donkeys similarly laden, nothing can induce an Indian to sell anything from his stock her with admiration. And Eugenie until he has reached the place where was not slow to observe the effect of he is accustomed to offer it for sale. her beauty upon him. She called him He will carry his load ten miles and to her side, and Bismarck came with dispose of it for less than he was of- his wife upon his arm. fered at a point half the distance, Now, the Princess Bismarck was tall A systematic rotation of crops in simply because he is a slave to custom and gaunt and ugly, and her feet were and is suspicious of everything in the generous. As she walked she showed

way of an innovation. A gentleman who lives in one of Whife Bismarck stood talking with the towns of the interior told me once | Eugenie an audible titter was heard that he had been trying for years to along the line of ladies. Bismarck. persuade the Indians who passed his who was quick as a flash, followed the house every morning with packs of glance of their eyes and saw them alfalfa to sell him a supply regirest upon the feet of his wife. ularly at his gate, but they refused to | That settled the matter. The politido so. Consequently he was compell- cal history of France was altered from ed to go four miles into town to buy that moment. A year later when Paris alfalfa that was carried past his own was besieged Bismarck himself fired door, but the seller willingly carried a cannon over the ramparts and those it back and delivered it, thus packing who were near him heard him shout; his load eight useless miles because "Take that for the feet of the Princess it had been the habit of his family to Bismarck." The slight was avenued.

My friend also told me that no woman in the market would sell more than a dozen eggs to one customer, not even if she were offered double the price. She would give him one dozen eggs for ten cents, but would not sell it is a favorite dish with the natives, five dozen for \$1; she would give a but a European who has traveled but would not give five gourdfuls for elephant over and over again. It is ten cents or twenty cents or any other price, simply because she was not accustomed to sell potatoes in such quantities and any attempt to induce her to depart from custom excited the suspicions which are the predominat-

Four centuries of Spanish tyranny. at the same time brings the soil up dence is once gained, nothing car to a better mechanical condition, adds shake it. The devotion between the and dried; it is then called "Biltong." constant stirring over and exposure to the negro slaves in the south and the deep is dug in the earth and the sides

The Consumption of Quinine.

More than 125,000,000 grains of quinine have been consumed by American soldiers during the past year. In some cases men who were in the hospitals in Cuba and Porto Rico used as much as 300 grains a week, and hardly any have failed to use the drug at some period of their service. It is stated that the people of this country consume one-third of the quinine of the world, the drug being used in the preparation of many patent medicines. tonics, bit'ers, cold cures, etc., as well as in pills and in bulk, and a considerlast year, into the United States, 1,539,-056,750 grains of quinine, and as there was practically no export of this article, this means that the consumption of quinine was about twenty grains for each inhabitant. As is well known, quinine, Peruvian bark, and calisaya bark are the products of the cinchona tree, which is a native of western South America, more particulary of Peru and Ecquador, Now, however, but a small part of the supply comes from that region. At present twothirds of the quinine consumed is produced in Java from cultivated trees. For many years the Dutch government American.

Novel Steam Engine.

Much interest has lately been taken in a simple form of steam engine, de-Electricity has been applied to the signed primarily for motor car driving, he returns to Paris from Rambouillet manufacture of glass. Formerly diffi- but which, by reason of its economy in and Montelimar, between which places culties were experienced in melting steam consumption appears to have a he will, if all goes well, spend his wellingredients owing to particles of coal wider range of application. The enand cinders entering the crucibles, to gine, which has been independently into training for the severe social the injury of the product. These are developed by Prof. Elihu Thomson in duties which the president of the renow eliminated by employing an elec. America, and M. Serpollet in France, public will have to discharge during tric are within a carbon crucible to somewhat resembles a gas engine in the exhibition year. fuse the ingredients. Great economy design and operation, except that every results, as but 40 per cent, of the coal outward movement of the piston is a formerly used is required. A pot of working stroke. The cylinder, which drives the piston forward until it un- miserly.

covers the exhaust holes, and then excapes. The momentum of the engine carries the piston back to the rear end of the cylinder, compressing the air be-There are probably 600,000 Indian hind it, when a new puff of steam gives peons in Ecuador. Not one of them a new impetus to the piston. This new and simplified engine shows wonderful efficiency, and in the tests so far seems to be far more economical in steam than the ordinary engines.

When Feet Made History.

The Princess Bismarck changed the political history of France unwittingly and but for her the Franco-Prussian war might never have existed. Women create history, when they least suspect themselves of creation, and they alter a destiny when most unmindful of their deed. Bismarck was unfriendly to France, but the Empress Eugenie hoped with her beauty to influence him so that the little trouble with France and Germany might be smoothed over. She therefore invited the old German Prince and his wife to visit the Court of France, and the Prince and Princess Bismarck ar-

rived in great state at the Tuileries. That evening there was a grand reception and Eugenie received the guests in a gown which made her so ravishingly lovely that even Prince Bismarck, German, stolid and in love with his wife, stood and gazed upon

a great deal of sole.

-Philadelphia Press.

Elephant's Flesh as Meat.

There appears to be considerable diversity of opinion as to the merits of elephant's flesh. In India and Africa much in Africa says: "I have tasted anything I can compare it to." Another traveler, however, declares that he cannat imagine how an animal so coarse and heavy can produce such delicate and tender flesh. All authorities, however, agree in commending elephant's foot. Even the traveler quoted above, who compared elephant's flesh to leather and glue, admits that ed and the elephant's foot placed in the hole. It is filled up with earth, tightly packed down, and a bazing fire built on top, which is kept burning for three hours. Thus cooked, the flesh is like jelly, and can be eaten with a spoon. It is the greatest delicacy which can be given to a naffir.

Automatic Air Compression.

The system of automatic air compression is in operation at a mine in Magog. Quebec, the air being drawn through a series of small pipes into a vertical water pipe passing down the shaft, and compressed in small globules by the column of water, each twenty-seven feet of shaft depth producing one pound of air pressure in the cylinder. In this way, it is stated, 150 air borsetics show that there were imported power is produced, with an efficiency of 62 per cent. A Toronto engineer points out that if such a plant were used in the Comstock mines, where water is carried down in pipes 1,600 feet, the result would be a pressure of fifty-nine pounds at the bottom, which could be increased in second and third compressers to 2,000 pounds and made to yield liquified air. With liquid air, he adds, the Comstock could again be brought to the front as the greatest producer in the world.-San Francisco Chronicle.

How the French President Lives.

The rule of life at the Elysee is as was urged to undertake the cultivation simple as circumstances will permit, of this plant from Peru. Finally this for, except when obliged to give offiwas accomplished and a large number cial entertainments, M. and Mme, of specimens of the different varieties | Loubet take their luncheon at 12 and were obtained by botanists, who took their dinner at 7 in a small diningthem to Java in 1852. The English room, the furniture of which is as plain government also started cinchona plan- as the menu on the table, though now tations in India, which now produce and then they have an intimate friend large quantities of quinine,-Scientific to join them at the formal meal. M. Loubet, however, simple as are his tastes and frugal as is his fare, is fully alive to the importance of maintaining the dignity of his office, and it may be taken for granted that he will, when

Left \$18,000 in Ragged Overcont.

In a pocket of a ragged old overcoat glass can be melted in fifteen minutes has an open end, is fitted with a trunk in the room where Mathias Blessing that by the old process would require piston, and the admission of steam is died were found bends, cash and jewelaffected by a simple poppet valve. The ry worth \$18,000. Blessing was sevenexhaust is made through a ring of holes ty-nine years of age, unmarried and in the cylinder near the end of the lived in Chicago. Among his neighthe aggregate value of all the fish stroke. The steam is admitted in the bors he was supposed to be a poor silform of a puff by the poppet valve, versmith, though he was regarded as