GOOSE BREEDING.

Their Batreme Watchfulness and

The Rhode Island experiment station is doing good work in goose breeding. No shelter from rain is required in the fattening pen during the summer or fall weather, and geese are almost never fattened for market during the winter. Geese intended for market are now usually fattened and killed not later than the middle of November, at which time the dealers put large quantities in cold storage for the winter and spring trade.
One large dealer writes that when real cold weather arrives the flesh and museles of both sexes rapidly harden and become tough, so that when kept into the winter and then killed they do not give satisfaction to the consumer. Goslings hatched in July and kept until January or February and then fattened and put on the market will be classed by the dealers as old geese and bring a very inferior price. Since the almost universal use of cold storage some dealers are having even their mongrel geese for the Christmas trade fattened and killed at Thanksgiving and kept a month in cold storage instead of having them killed at Christmas, as was formerly their custom.

Geese have thereby obtained credit for a degree of courage and a spirit which is not usually theirs, or manifest only during the breeding season, and while they are sitting. Perhaps no other domestic fowl requires to be more quietly and carefully cared for than the goose. Undue excitement or disturbance by visitors, strange dogs or animals often has a very injurious effect upon them, especially in the laying season.

They require the kindest of treatment, and the breeder should be thoroughly familiar with the individuals of his Sock and on the most intimate terms with them in order to attain the best success. With this trait of timidity is its counterpart-extreme watchfulness. Geese are ever on the alert, and one breeder asserts that geese are better than any watchdog for giving notice of the approach of strangers during either daytime or night.

As intimated, ganders, during the breeding season and even the geese when sitting or in defense of their young, manifest considerable courage and often punish intruders severely. When interfered with, they seize the intruder with the bill, strike with the wings, and sometimes scratch with the claws. They have sufficient power in



WHITE CHINA GANDER. the jaws to bite hard, and a large, full grown gander has been known to strike hard enough with the wings to break a person's arm. It is very rarely, however, that a gander kindly cared for and treated well becomes habitually ugly so as to attack people without provocation. The ganders fight among themselves whenever one colony intrudes apon the territory of another, and their battles are severely fought, usually with the wings, one gander seizing the ether by the first joint of the wing with the bill and beating him with his wings while thus held. Unless separated at such times, they are liable to receive

injury.

Broods of goslings of different ages, hatched and reared on the same farm, must of necessity be penned while young, each brood by itself, and as they go out to feed on the pasture or field each flock invariably keeps by itself. Any intruder or visitor from another flock is very unwelcome and is scolded, bitten and driven out of the flock by common consent. This clannish rule is peculiar to geese and very strictly en-

Geese have a long tenure of life, far exceeding any other domestic fowl in this respect. In former times it was not ancommon for the farmer's daughter on her wedding day to receive among other gifts a goose from the old homestead, become her property and accompany her to her new home. In some instances such geese were kept for many years, perhaps far beyond the life of the young lady to whom it was presented.

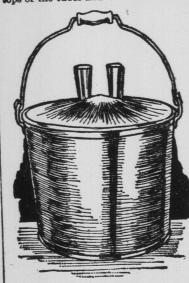
Many geese are kept which are of no particular breed, having descended from the importations made by the early settiers. They have probably been more or less crossed with the improved breeds during the last 50 years, but present no fixed colors aside from white, gray or articolored, nor special type of body.

Of the breeds usually met with Toulouse le probably most common, and African and Embden share with it the honor of being popular breeds. Brown and White China, as pure breeds, are not so popuhar unless for ornamental purposes, the Canada goose is bred pure to furnish a supply of ganders for the breeding of "mongrels," and ecoasionally the Egyptian goose is bred solely for ernamental purposet.

HOW TO KEEP MILK CLEAN. A Simple Pail Cover Which Keeps

Out Dirt. Wishing to keep my milk as clean as possible, says Samuel Gray in Hoard's Dairyman, I got the tinner to make a cover for the pail, which I have found answers the purpose very well. The cover fits the pail closely, so as not to be easily jarred off, has a slightly convex upper surface and has two tubes about an inch and a half in diameter and three or four inches high extending upward. The tubes are placed about two inches and a half apart and about the same distance from the edge of the

The milkman holds the pail between his knees, with tubes of the cover on the opposite side from him, and milks with each hand directly into the tubes. The hands should be directly over the tops of the tubes and as close to them.



MILE PAIL COVER

as possible, so that the hands may protect the openings from falling particles

while milking. If still greater cleanliness is desired, a piece of strainer cloth can be used to cover the top of milk pail, and the cover pushed down on to it, making a complete strainer, but it would be desirable to strain again when the pail is emptied. The neat milkmaid who often attends to this last straining will be eased to find no black sediment in the bottom of the pail as she empties it and none in the cloth of the strainer.

If I were ordering pails made com plete with covers, I should have them made with straight sides instead of flaring and have the ears for the bail set down low enough or out from the edge of the pail far enough to allow of the flange of the cover going on the outside of the pail. With flange on the inside and the edge of the cover only even with the outside of the pail, milk that is splashed on the top of the cover in milking will run off the cover into the bucket, carrying some dirt with it.

Drying Off Cows. We give the following for what it is worth, not having had opportunity to test the same. It was clipped from The Agricultural Gazette of London, only remarking that English agricultural pa pers are more careful about what they say than a majority of American pa-

Two tablespoonfuls of Goulard's extract of lead and one ditto of spirits of wine mixed in a quart of water is sufficient for one cow. The mixture is to be well rubbed into the udder and milk veins for half an hour at least, using one-half for the first dressing; then miss a day, and apply as before. The udder will not require stripping; in fact, to draw the milk does away with the lotion. Nor are any drenches wanted. saw some years ago a remedy for hoven or swelling in cattle which I used with good effect. Drench the animal affected with two tablespoonfuls of dry chloride of lime in a quart of water, and the effect is immediate. Years ago a well known Shorthorn breeder lost several cows from milk fever. He changed his herdsman, who introduced a new practice at calving time. He never milked a newly calved cow for at least three meals, but let the calf remain with the cow and take as much as it required.

In writing to Dairy Reporter about lining butter tubs Mr. Friday says: The lining should be put in dry. First place circle in position; then bring the two ends of the side together and put lining in the tub; then with one circular movement of the hand the lining is well in contact with the wood to which it must adhere before the packing is commenced. Hold the lining against the tub with one hand, throwing water between the lining and the tub with the other, turning your tub from left to right until the circuit is made. To make it more complete pour about a quart of salt water into the tub an/1 hold in such position that by a rotar y motion the water comes in contact with the entire inside surface of 'the tub. You will find your lining in perfect position and that it has been done with dispatch.

Curry Cows Before Milking ; Cows thould be curried and b rushed in the morning before milking, as then they have just arisen from an all night's recumbency and are as dirty ond dusty as at any time during the 24 hours. A prevalent custom for some m'ilkers is to brush off the udder and teavs after they have sat down to milk. This is wrong, as then more or less of the dirt will get in the empty pail, or, addaring to the hands of the milker, drop, in afterward.
All of the cows should be curried and
their sides and udders brushed before the milking process he's begun.

WINTERING COWS. How to Keep the Stable In Healthy

Candition. If you are so much afraid of disease in the stable, all you have to do is to keep the air pure by keeping the stable reasonably clean and using road dust or plaster as a disinfectant, writes Mr. L. S. Hardin in Home and Farm. Having done this and bedded the

cows with straw, leaves or other cheap stuff, worth more than its cost for manure, then comes the question of watering the cows. Most dairymen turn the cows out twice a day to water, but in very cold or wet weather, and espe-cially when the water is a considerable distance from the stable, this is a cruel practice, especially when the ground is covered with ice or frozen snow. To overcome this difficulty many

progressive farmers are leading the water into the stables with pipes and laying these pipes deep enough to make the water comparatively warm in winter, for all acknowledge that it requires a great waste of food to warm up a cow that gets chilled with drinking ice water. I once ran water pipes under the mangers and had a tub sunk in the ground in each stall so the cow could drink at will. This proved a miserable failure, because the cows were constantly dropping food into the tubs, and in warm weather this would ferment and make the water foul.

Not only this, but water standing open in a cow stable rapidly absorbe all the bad smells that come over it. large cistern covered with a tight floor in a shed adjoining the cow stable could not be kept sweet enough for use. The only way to keep the water pure enough for the cows to drink it is to have the basins out of which they drink only large enough to hold the amount they need at one drinking, and let the water all out of it when the cow is through. Once a day would perhaps be often enough to dry out the basin, provided each one was kept clean of ground food that the cow drops in it from her mouth. Speaking of ground food getting in the water basins and fermenting, this is one great trouble, especially in warm weather, about the mangers. There are always little cracks that cows force the meal into, and they lick around it until it gets wet, and then in a few hours that meal has got to fermenting, and the flies lay eggs in it, and then the maggots. The wise dairyman will look out for this trouble and see that the maggots. The wise dairyman will look out for this trouble and see that every manger is brushed out clean after the cows are fed and at the same time note which cows have refused some of their ration, and see that next time she gets only so much as she will eat up clean, even if a little salt must be sprinkled over it to help her appetite.

Stripper Butter.

The statement is often made, and recent experiments at the Oregon station go to show, that cream rises imperfectly

With frocks of any of the thin class of silks, a warm underdress of French or canton flannel is essential, as children are highly susceptible to change of temper rature and should be carefully guarded from variation in the thickness of their of othing.

Fur is much employed for trimming children's garments, white as trakhan and white tibet goat being prefers ed.

Mother Hubbard gowns and docats never go out of fashion for little children, but frocks with the skirt and bo dice sewed to a waistband are also worn. The skirt may be circular, plaited or go thereof. The bodice usually takes the goat of silks, a warm underdress of French or canton flannel is essential, as children are highly susceptible to change of temper rature and should be carefully guarded from variation in the thickness of their of othing.

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go to show, that cream rises imperfectly in milk from cows in advanced periods of lactation (stripper cows) and that it is difficult to obtain butter of good flavor from such milk. The Iowa station has investigated this subject, using milk from fresh cows and from those which had been in milk over six months (strippers). The milk from the two lots was creamed and churned separately. gallo The results show that when the separator system was used the butter from the stripper milk was as good as that from the milk of the fresh cows. Under a gravity system there may be some difference, as so many dairymen claim, and the following is a possible explanacream and to the butter. It is possible that this is why stripper milk is generally considered inferior for the production of butter. As a means of overcoming these difficulties it is suggested that the stripper cows be given some food of succulent nature which will increase the flow of milk and thus render it less viscous, and that a strong starter of sour milk be used with the cream. Raising Calves Without Skimmilk

We are raising four heifer calves this year that came early in the fall, as we prefer them to arrive in the fall in preference to spring. The calves were selected from our best cows. We allow the calves to suck one day or night, as the case may be, then take them away and teach them to drink, giving them their mother's milk, about two quarts twice a day, for a week, and at a week old the calf is given a small strip of mangel, cut from the inside, not giv-ing any of the rind, and you would be surprised how soon it will begin to eat them (the mangel is put right into the calf's mouth). The mangels are increased gradually until the calf eats a whole one. At the end of a week the milk is diluted with a little flaxseed tea, made by boiling a quart of flaxseed and two gallons of water to a jelly. About a tablespoonful of the jell 1y is taken, a little boiling water pour ed over it and added to the milk, and the flax and water increased and the nilk decreased, so by the time the calf is a month old it will be getting only flaxseed and water. A little bran is gradually added to the mangels unt il at 3 months old calves will take a quart of bran, two quarts of mangels, cut fine, and about four quarts of fis x and water, twice daily. After the t time the flax may be dropped and warm water substituted. Of course a little clover hay of good quality is al ways kept before them. If any of the readers will try this plan, they will I lave no need for those calf feeders to ker ap the calf from getting scour. — M. Will Denton in Heard's Dairyman.

CHILDREN'S FASHIONS.

ltyles Preferred For Young Girls

and the Materials Chosen. Fashions for children and young girls follow the general direction of those for women, but are always more simple. For party dresses silk, velvet, lace and mousseline de soie are employed almost exclusive-ly. Plain china or liberty silk makes charmingly delicate and simple gowns for eharmingly delicate and simple gown to little girls, and may be perfectly plain, ac-ordion platted, or trimmed with valen-ciennees lace. Very attractive little frocks, also valenciennes trimmed, or daintily embroidered, are made of the sheerest white nainsook. These are even more infantile

ottoman and bengaline silks are like-wise used both for costumes and cloaks,



in stripes and plaids of delics te colors. With frocks of any of the thin class sof silks,

bands of insertion and tud as.

bands of insertion and tue as.

The picture illustrates a grl's costume of gray satin cloth. The splain skirt is adorned with three bands of galloon. The bodice, which is tight fit ting at the back, has a blouse front and three bands of galloon forming a square, within which is a plaite a plastron of whitesilk. The sleeves have galloon trimmed, and the cravat and belt are of white satin.

Junic Chollet. are of white satin. JUDIC CHOLLET.

RAINY DAY (SKIRTS.

The Short Skirt Versus the Long One-An Att# active Bodice. The rainy day sky rt is becoming so com-mon that now it h ardly attracts a second and the following is a possible explanation: The fat globules, as is well known, are smaller in advanced periods of lactation, and when cream from such milk is raised by the gravity process more time is required for the cream to rise than when the milk is from fresh cows whose milk contains globules of much larger size. We have found that cream or milk when kept at a low temperature or milk when kept at a low temperature. larger size. We have found that cream or milk when kept at a low temperature for some time develops a somewhat bitter flavor. There seems to be an organism which grows at that low temperature and which gives a flavor to the cream and to the butter. It is possible that which is falling, which were skirts and thereby for the standarders of the skirts is and thereby for the standarders. It is possible that which is falling, which were skirts and the skirts is and thereby for the standarders. It is possible that which is and thereby for the standarders of the skirts is in the skirt is and thereby for the standarders. It is possible that which is and thereby for the skirt is and the skirt is and thereby for the skirt is and the skirt is and thereby for the skirt is gaiters the short skirt is incomparably su-perior in a hygienic sense, and as far as modesty is a concerned let any waverer stand



watch the women in long swirts hold up those skirts to walk through, the puddles and then say, if he can, that the short skirt, which does not requive to be raised, is less modest than the other kind.

The cut illustrates a bodice of green and black broche silk, which q pens over a plastron of white satin closed by steel buttons. Narrow black silk gallyon is arranged in bretelles of three bands, and in front these are crossed by three groups of horisontal bands. The collar is if white satin trimmed with galloon, the belt of white green tucked at the top wind trimmed with galloon at the wrists.

Junic Chollars,

BOYS AND GIRLS.

and Appropriate Glothing For Little People's Wear. Toreador costumes are a novelty for small boys. They are of dark blue or black velvet or velveteen. They consist of tight breeches and short jackets opening over waists of white cambric or silk. A high, plain collar is worn and plain cuffs, both of white linen, and a black surah sash is tied at the side.

Felt sailor hats, with a round crown and wide brim and a black satin band, are worn by little boys. As for stockings,



black ones are still retained by many persons, who prefer the neat effect they give, but colored hosiery is used for both boys and girls almost as much as black. Jewelry, which is out of place upon young girls, is far more out of place upon children. A little child may wear the con-

children. A little child may wear the conventional coral necklace, or the amber beads which are supposed to act as a preservative against croup. A pretty safety pin for fastening the sash or shawl is also allowable, but these trinkets should be of the simplest character. Rings, earrings and bracelets are an abomination and in the worst taste while a child is small. At 10 or 11 years old this rule may be a little relaxed, provided what jewelry is worn or 11 years old this rule may be a historiaxed, provided what jewelry is worn is small and inexpensive. The boy may have a silver watch and chain, the girl an ornament, which should be good of its kind, but simple in character. The children of women of good taste are always

plainly attired.

Today's picture illustrates an attractive jacket of mastic cloth. It is tight fitting, with a short basque and a pointed plastron. Three graduated capes cover the shoulders, each having a large button in button in front. The capes, the valois collar and the body of the jacket are all bordered with stitched bands of white cloth. The hat of green velvet is trimmed with white

FASHION NOTES.

Cravats and Fancy Fronts For Bedices-Gloves and Shoes.

Fancy cravats are much worn and are made in great variety, from the plain masculine styles to elaborate masses of lace, mousseline de soie, crepe de chine and embroidery. With gowns to be worn undar heavy wraps it is often necessary to renounce fluffy, delicate plastrons, with it. embroidery. With gowns to be worn into-heavy wraps it is often necessary to re-nounce fluffy, delicate plastrons, which are assily crushed and defaced, but it is nevertheless essential to becomingness to have something light near the face, and here the short cravats come in very con



reniently. For the front of the bodice itself velvet and broche silks take the place of the lace and mousseline arrangements and the ruches, rufiles and coquilles which may be used when no outer wrap is to be worn. Short bows of tulle, lace, crepe lisse, embroidered mousseline and liberty silk, with a stock to match, finish the neck. with a stock to match, linish the neck.

Light gloves are still worn, by preference, for street as well as dress costumes, but unless one can afford a frequent renewal of gloves it is better to choose dark tones, for nothing is more inelegant than soiled light ones. Gloves matching the color of the gown or coat are always ap-

The fashionable shoe has still a pointed toe, despite desperate efforts to bring the blunter shapes into vogue. These have not "taken," and the peaked shoe enjoys un-

diminished favor.

The cut shows a street gown of ash gray satin cloth. The skirt, bordered with seven rows of stitching around the foot, has a pointed tunie edged with a wide galloon of yellow velvet embroidered with silver. The tight bodice is pointed, closed at the side with revers bordered by galloon makening that on the skirt. A square ple stron of plaited orange velvet appears between the revers, and there is a cravat of arange velvet. The turned back cuffs of orange velvet are bordered with galloon. The black felt hat is trimmed with b' ask plumes and cannot really a stronge velvet. The turned back cuffs of orange velvet are bordered with galloon. The black felt hat is trimmed with b' ask plumes and cannot really a stronge velvet. Junio Chol. Ext.

HAIR ORNAMENTS.

fure and New Evening Hoods.

American women are less fond of hair ornaments than are 'Frenchwomen. The former frequently wears no pin, comb as bow of any kind in the hair, even in the evening, whereas the latter considers a flower, a knot of ribbon or some other deceration an essential part of the evening toilet. Owing to the fact that the hair is generally arranged at the top of the head generally arranged at the top of the head st present, aigrets and similar hair orna-ments are much diminished in size and im-portance, a small, jeweled pin being some-times solely used.

times solely used.

There is always a difficulty in properly covering the head when the hair is dressed for a ball or dinner. An ordinary hat compared to the constant is absolutely necessary that the confuse should remain in perfect condition.



bonnets, made of silk of satin, which are soft and roomy and do not crush the Mark, but these are, perhapt, less desirable and the old fashioned hood, which is nowed ten attached to the evering cape, and may y be upon the shoulders, at discretion. These hoods or capuchons are large, looses, warm and very becoming. They may be made separate from the cape, if it is desired, and are often of lace or embroidered tulled.

ined with silk.

The illustration pictures a pretty gown for a little girl. It is of red wooden goods, and the skirt is triamed with ruches of red mousseline de scie, which edge the foot and simulate a pointed tunis. The blouse bodge has a yoke, framed by a ruche and

THE COIFFURE.

Variety Permissible In the Style wearing the Hair. A waved and more or less fluffy coi continues to be a fashionable requirement for the front hair is parted, curied or (fram the brown seconding to The front hair is parted, curled or hawn back from the brow, according to but the forehead is, generally spe more covered than has been the cass per late years. As the style in which the dressed affects the aspect of the more than does any other item of the first thing to be considered; a what is becoming. The question of what becoming. The question of what peculiar-tity of conflure happens to be in f shionable favor at the moment is of see andary importance. Generally speaking. A low fore-head should always be left u acovered; a high one should be at least pass stally shaded



and softened by the hair. In any case, fluffy softines should never degenerate into flyaway uni idiness, and a woman past mid-dle age is twise if she restrains all exuberaree of locks and adopts a smooth and dignified type of coffure. The arrangement of the back hair influences the face far less than that of the front hair.