

CHAT ABOUT STYLES.

FASHION PERMITS THE SAME MATERIAL FOR MOTHER AND CHILD.

An Economy in Three Ways—Some Dainty Fancies for Young Girls—The New Creations—Marie Antoinette Fiches—How to Make the New Cheviots.

[Special Correspondence.]
New York, Dec. 21.—It is a wise provision of fashion to permit girls' dresses to be made of the same material as that used for those of the mothers for it is economical in three ways. First, when in buying herself a gown the wise mother gets a yard or two more than she needs herself, and this with the inevitable cuttings leave enough to make a handsome dress for the child at the saving of at least a yard of wide material, as the pieces left of the mother's gown will make waist and sleeves to that of the child. Besides this the child gets a durable and handsome dress at least one-third less cost.

Then again, when the child's dress and that of the mother are worn out, there will still come enough good material from the back breadth of both to make another nice little frock, by the judicious addition perhaps of a little tulle or mesh for guimpes or some other combination. It really takes not over half as much material now to make a child's dress as it did 10 years ago, and those of today are infinitely prettier. Few children wear silks, yet they are quite suitable—that is, the plain and light ones.

Crepons in all their new and lovely forms and weaves are so pretty for children as for their parents, and the colored



STYLES FOR GIRLS.

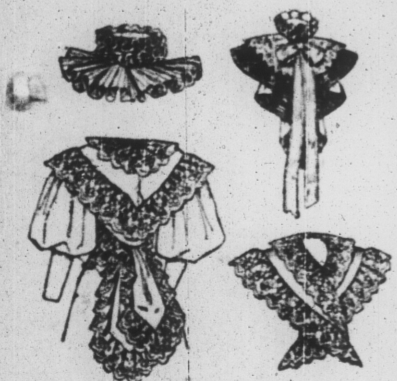
diagonals in wide waives and ombre stripes are particularly nice for girls. There are new camel's hairs in new shades and closer weaves, so that they are almost as firm as cloth. There are shades in plum, green, blue and brown, and some of these have stripes in woven of two tones, which make an indistinct but very refined pattern. The rough chevrons and mixtures are, if possible, more excellent than ever, and these are often figured slightly. Plaid chevrons and twills are also shown in just the same patterns as those made for the mothers.

In the colors of the new smooth cheviots there is a mixture of brown and white almost as firm as covert coat cloth. In some there are two or three tones of blue. Faisance blue mingled with maroon makes another handsome pattern, and there is no end of ferrigno weaves in solid colors. All these make suitable gowns for little girls.

One way of making them that has long been popular is a loose frock plaited on a yoke, and with a little ribbon as a finish or perhaps some one of the cascade braids now so generally worn. A close weave cheviot in light brown, with an underweave of darker shade, was made with a plain hemmed skirt and a plain waist, open V shape in front to let in a gathered vest of pale blue faille. The bertha was braided in narrow soutache in seal brown.

A handsome dress for a larger girl was of tan colored cheviot in quite wide diagonal waives. The skirt was made quite plain. The waist was behestyle, with a shirring at the waist in form of belt. Around the bottom, on the sleeves and to form a bertha were frills of white point de gaze. The whole dress was a model of girlish grace.

Some very dainty fancies for young girls are shown in the full pierrat collar. The most of these collars are made of silk muslin, accordion plaited and then box plaited very full at the neck. Above that the same plaiting is set, but



DAINTY FANCIES.

plaited in the middle, leaving both edges to set out in a double ruff. This in white, pink maize or blue is extremely pretty for wear over plain dresses. Another collarlette is of black faille lined with pale blue and plaited in front in jabot style and finished with a ruffle of lace and with a bow of blue ribbon.

The Marie Antoinette fichu for girls and their mothers is made of silk muslin, mull or black lace, or with some material or color to match a costume edged with lace, either black or white. One for a grown person might be of black silk edged with lace, and for a young one mull with lace. The fichu crosses in front and ties in the back. This is very easy and becoming. Dotted net with lace is also very dainty.

OLIVE HARPER.

HANDS AND FACES.

HOW THEY ARE MADE IN A LARGE SWISS WATCH FACTORY.

Delicate Operations With Over 100 Tools Required In Making Fine Watches—Workmen on Hands—The Wage Paid Both Men and Women Are Excellent.

A Geneva correspondent in writing of a visit to one of the famous watch manufacturing plants of that city thus describes some of the operations:
Now, about the dialmaking process itself. First, the plain round of pressed copper must be heated to a red heat in a furnace to burn off any adhering impurity. Leaving the fire, it is plunged into an acid bath, and so that way it becomes so smooth that it may easily be rubbed into form with a small steel spatula.

The enamel, which comes from France and Switzerland and looks like great lumps of white porcelain, is first reduced to the finest powder in a powerful crusher. Then it, too, is washed in acid, and finally it is washed again in many rewashings of pure water. After this it is made into a sort of paste, which is applied in this strata to both sides of the dial, and then carefully put by to wait the complete evaporation of the water with which it was mixed. As soon as this has been accomplished the dial is placed in an incense burner, and then the enamel becomes perfectly fused and adheres firmly to the plate. This operation is repeated, with a second and third application of the enamel, and then the dial is ready to receive the painting of the hours. As soon as this has been done it is again put in the oven, a most critical operation, because the fraction of a second overmuch would spoil everything; and then, while yet warm, it is rubbed or redressed with a bit of charcoal and a small metal tool especially made for the purpose. It is this operation that gives the dial the beautiful smoothness, like that of a baby's face.

Before that most delicate operation, the painting for the hands, which is done on an instrument furnished with diamonds fixed on steel, and sometimes even the steel itself, the dial goes to the automatic filer and is rendered absolutely perfect in shape. The painting of the hours is nearly all done by women and girls. Several women are also employed in the enameling department. The wages paid both men and women are excellent. Some of the employees are time workers, the others work by the piece, many of the latter easily earning 200 francs a month. Naturally these are the most experienced workers, who have finished apprenticeships of at least three years.

In beginning the employees are given simple separate parts to do, but even then they may earn from 100 to 150 francs a month. The women who earn the highest wages, 200 francs, work also by the piece, polishing or rubbing off the second dial.

The firm was organized in 1855, and all the chief employees of today have been connected with it from the beginning. There are 14 divisions of workmen and workwomen, each with a distinct branch of his or her own. Indeed a dial, before complete, passes through at least 20 pairs of hands. Besides the white or simple dials with the usual black figures, there are the colored dials—pink, blue, gray, a delicate shade of green and black. There are also the white or colored dials, with figures in contrasting colors or in metals, as in the very latest fashion in decoration there is an artistic combination with golden dots. This firm sends dials to America by the hundreds of thousands annually, and its rate of supply to the largest Swiss houses is proportional.

The making of watch hands is one of the most fascinating adjuncts in the whole process of watch manufacturing. The chief Swiss handmaking firm has been in existence through three generations. As all its heads have been not only expert artisans and devoted workmen, it is little wonder that the hands now produced by this house have become celebrated. The process is so delicate that the worker must be literally undisturbed in their work, and the pieces are so minute that a rogue, should one enter, could easily carry off a large number unobserved; hence the business is conducted behind locked doors, and all outside communications are through closely barred windows. It is almost incredible, but here, too, a staff of designers is kept busy, for the hands in form as well as the dials in figure and ornamentation must keep pace with fashion's demands. The standard favorite designs, however, are the Louis XV, the flower-de-luce and the good old fashioned spade and open hands. The steel hands cost quite as much as the ordinary gold hands because they are so much harder in the working.

The price of an ordinary pair of hands is, I believe, about 8 francs, but I have seen hands that are mounted and studded with tiny diamonds that cost in the neighborhood of 25 or 40 francs. Every style and every workman has his and his own, especially out die with which the hands are stamped from the thin and very elastic and malleable tempered sheet of steel or from the gold or silver of which they are to be formed. There is a wonderful machine in this shop that takes a bar of steel half an inch wide and flattens it again and again until it comes out vibrant, elastic and of just the thickness desired for the hands.—Boston Herald.

A Public Spirited Woman.

Mrs. Matilda Gross MacConnell has given the city of Pittsburgh 250,000 square feet of ground for a public park. She is the third woman in the city who has given land for park purposes; thus helping to remove from Pittsburgh the stigma of being perhaps the only town in the country devoid of open squares, plazas or public lawns. Yet these public spirited women cannot vote.—Pittsburgh Letter.

IN OLD OCEAN'S DEPTHS.

Living Lanterns That Are Borne About Eight Feet Below the Surface of the Ocean.

Along its back under it and at the base of its fins there are small disks that glow with a clear phosphorescent light like rows of shining buttons on the queer fish called the flashlight carrier, the brightest and most striking of all these sea torches.

Along its back under it and at the base of its fins there are small disks that glow with a clear phosphorescent light like rows of shining buttons on the queer fish called the flashlight carrier, the brightest and most striking of all these sea torches. These disks are exactly like small buttons, lanterns with regular lenses and reflectors. The lenses gather the rays, and the reflectors throw them out again. They are a layer of phosphorescent cells between the two, and the same effect is as perfect as if made by some skillful optician.

Many other fish have "lanterns," but the flashlight carrier is the only one that has such splendid specimens of them. The fish is so constructed that when it is frightened by some devouring monster it can close its lanterns and hide itself in the darkness. It can turn its lanterns off and on at will, and then it is always "filled" and ready when wanted. Another marine animal has a luminous bulb that hangs from its chin, and it throws the light before it to warn it of the approach of enemies. Still another sports a big light from the extremity of the dorsal fin. Others, again, have constant supplies of a luminous oil that runs down their sides from the fins, making a bright and constant light all the way to the tail.

Most of the jellyfish are phosphorescent. These live far down on the very floor of the ocean, where it is always dark and gloomy. The dwellers in these watery depths are provided with bands of their own shining bodies and by which illumine their home, without strange though no doubt cheerful guests.—E. A. Matthews.

Chalk Turned to Marble.

The example furnished by nature in the production of marble from chalk by water—the latter permeating gradually and steadily through the chalky deposits, dissolving the chalk particle by particle, and crystallizing it, mountain pressure effecting its characteristic solidity—it is now found may be the basis of accomplishing similar results by a resort to chemical processes. Slabs of chalk are for this purpose dipped into a color bath, staining them with any desired kind of color. They are then known the same history, stains answering to those as are employed in nature, for instance, to produce the appearance of the well known popular variegated marbles, of which copper application is resorted to, and in a similar manner green, pink, black and other colors are obtained. The water before this is provided with bands of their own shining bodies and by which illumine their home, without strange though no doubt cheerful guests.—New York Star.

The Robber Was Grateful.

Miss Cecilia Morse of Morrisania, N. Y., discovered a lame robber slipping on the broken leg. It was in the course of an early morning walk that this act of charity was performed. She saw a man, whom she recognized as the thief, who had been caught in the act of robbing her. She was so kind as to help him up, and he was so grateful that he gave her a diamond ring. She was so kind as to help him up, and he was so grateful that he gave her a diamond ring.

Reading the Knee to Foreigners.

A clever New York woman of assured social position frankly admitted to a horrid Frenchman of rank that nothing of a lower grade than the emperor or republican head of a great nation, in his representative capacity, could win from her a bend of the knee. The princelets, male and female, were but everyday folk in her eyes, quite without any special reverence, and to them she refused to make obeisance. The lady's distinction is self respecting and truly American, and as a rule of conduct it is commended as an antidote for the indiscriminate courtesy craze.—Vogue.

It is from the rootlets or small fibers of a tree or plant that its subsistence is obtained, and in the performance of its daily nature has given these delicate, tender parts wonderful strength and persistence when exerted within rules. In their search for food supply they will sometimes even penetrate soft rock to reach favored spots.

The consumption of tea in England during 1902 reached the highest point ever touched since its use has been generally disseminated among the masses, the total quantity used being 207,000,000 pounds.

The largest spider of the world is the mignale of Central America, which, with legs extended, is sometimes 15 inches in diameter. It preys upon birds and is a.

Princess Marie of Greece.

Princess Marie of Greece, the princess whose name has been so frequently mentioned of late as a bride for the Russian czarowitz. She is 16 years of age, belongs to the same religion as the czarowitz and might make him a good wife were it not for the fact that she happens to be his first cousin, her father, King George, being brother of the czar's. And there is nothing which the claims of the Greek church more strictly prohibit than marriage between close relatives of this kind. The young princess is round faced and plump of figure, not particularly pretty, but having the vivacity and fresh coloring of early youth.—Exchange.

surprised Her Court.

At her birthday soiree recently the German empress displayed an accomplishment that no one knew she possessed. Among those honored by an invitation from her majesty were the piano teacher of the crown prince, Herr Esner and his wife. Frau Esner is a Norwegian, and as soon as the empress discovered that the Swedish organist, to the great delight of Frau Esner and to the surprise of her other guests.

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