



DAINTY SUMMER GOWN.

Made of light beige mohair batiste over blue silk. The yoke is of deep cream lace and the folds below it; also the undersleeves are of pale blue crepe de chine. The panel down the front of the skirt is shirred at the waist, and bordered with a deep embroidery in beige on the material.

In pink, with figures in Wedgwood green and raised dots in black. The drapery on the bodice is of pale green chiffon, with deep lace, and is fastened by a huge rosette of black panne, from which falls a knotted scarf of the chiffon, trimmed with pink and green silk fringe. The sleeves are elbow

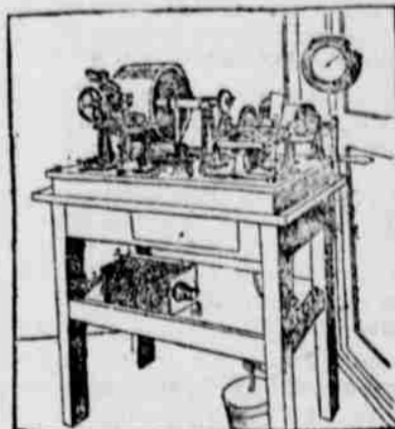


of much importance. The United States and Russia produce between them 120,000,000 barrels a year and other contributions swell the total annual output to about 150,000,000 barrels. The production of Russia is much less now than it might be, owing to lack of enterprise on the part of the people and inadequate transportation facilities.

These cause the price of its oil to be higher in Germany, which adjoins Russia, than that of the American product, which has to travel thousands of miles. Mr. Guenther declares that the increased demand will stimulate the exploitation of the oil fields in the different lands. Railway companies are trying oil-fired locomotives and one steamship line uses oil to fire the boilers of its vessels. "Nothing," he says, "seems to stand in the way of a more extensive use of oil for fuel except price."

APPARATUS' GREAT ACCURACY

This apparatus, which has just been completed for the ordinance department of the United States navy, determines intervals of time to 100,000th



THE CHRONOSCOPE.

part of one second, and is used in timing the progress of a projectile along the bore of the gun before leaving the muzzle. The chronoscope shown here is the first of the kind made in this country, being a modification of the chronoscope invented by Captain Schultz of France. It consists essentially of a revolving drum, upon whose blackened surface a vibrating tuning fork traces a curve, which curve is divided into time intervals by an electric spark, which is produced by breaking contact as the projectile passes along the bore of the gun.

Pertaining to Health.

In England a useful addition to the dietary of invalids has been made in the shape of Siberian partridges, which are killed when in prime condition and conveyed frozen by sleigh, rail and boat to London. They are said to be remarkably tender and delicate eating. There is perhaps no more frequent cause of trouble among workers than that of eating when over-tired. They return in the evening from their labors exhausted, and fatter themselves that a good meal will set them up again. Their hopes are seldom realized, for their stomachs, like the rest of their bodies, being thoroughly tired, cannot do their work effectually, and the result is an attack of indigestion.

Of course when one comes in from the day's work a meal is necessary; the only thing to guard against is taking it when one is too fatigued to digest it. If, instead of sitting down as soon as possible after entering the house to dinner or supper, the weary worker were first to take a cup of beef tea, or even of weak tea, with a little piece of bread and butter, which would act as a stimulant, she would, by the time she had made her toilet for the evening, be sufficiently rested and refreshed to eat a hearty meal with benefit.

And right here comes a word as to the importance of dressing for the evening. It is not merely a habit of refinement, but it helps one to overcome fatigue, to get rid of the dust of the day, and to put on fresh, cool garments, instead of those one has worn since morning. The donning of some sort of evening dress—be it only a well-worn silk blouse—has a tonic effect on both mind and body, and should by no means be omitted, even by the weary business woman living alone in a boarding house.

Electrical Music.

In the German Annalen der Physik, an interesting experiment with a vacuum tube is described by J. Stark. When a continuous electric current is sent through such a tube, matters being so adjusted that the current is only just able to pass, the current becomes periodic, and the cathode, being set into vibration, gives forth a musical note. The vibrations are ascribed to the periodical attractions exercised by the electric charges on the walls of the tube.

Temperature of Incandescent Lamps.

Recent experiments by Monsieur Janet show that the temperature of the carbon filament in an electric lamp is between 2,900 and 3,000 degrees Fahrenheit.

A Few Years Hence.

The Wayfarer. Please, can you help a pore man that can't git no work at his trade?

The Philanthropist. And what is your trade, please?

"It used to be stealin' horses—when they was horses fer to be stole."—Indianapolis Press.



Must Be Born Again.

One day a gentleman called at the office of a certain newspaper, and said to the editor:

"Sir, it is announced in your paper that I am dead."

"Well," replied the editor, "if it is in our paper it is correct."

"It is not correct, for here I am alive," rejoined the other.

"Well, it can't be helped," said the editor.

"But I expect you to contradict it," said the injured man.

"No, I can not do that," said the editor, "as we never contradict anything that appears in our paper. I will do anything I can do. To-morrow I will put you in the list of births."—London Spare Moments.

Trouble in the Caravan.

It was a hot day and the elephant was thirsty.

"I haven't had anything to drink today," he said, turning to the camel. "I am told you carry a supply for three or four days. Could you place a few of your concealed water pouches at my disposal without too much inconvenience?"

"I don't have to carry water for the elephant," irritably answered the camel, humping itself along still faster. "I am a part of the show."—Chicago Tribune.

HARD ON HIM.



"You remind me of a page in a new book."

"Because I'm clever?"

"No; I have to turn you down so often to keep you in your place."

Rarely Remembered Her.

"What has become," asked the occasional guest, "of the pretty black-eyed girl who used to wait at that table over in the corner?"

"What pretty black-eyed girl?" frigidly inquired the young woman with the snub nose and prominent chin.

"If I remember rightly she had a little bit of a mole on one cheek."

"Oh, that girl with the blotch on her face! I think somebody married her."—Chicago Tribune.

The Same Old Way.

Curious Old Lady. How did you come to this, poor man?

Convict. I was drove to it, lady.

Curious Old Lady. Were you, really?

Convict. Yes, they bring me in the Black Maria, as usual.—Collier's Weekly.

Might Sharpen It.

"One of the notes in my cabinet organ is a trifle flat. I wonder if there is any way to have it fixed?"

"I should think a good organ grinder might be able to do something with it."—Chicago Tribune.

Suggesting the Combination.

"What will you like for dinner today, Henry?"

"Anything you please. I feel too blue to care what I eat."

"You feel blue—and you look yellow."

"I'll cook a mess of greens for you."—Chicago Tribune.

A Lightning Destroyer.

"Your Charlie seems to be an active little fellow, Mrs. Dobbs."

"Active? I put a clean shirt waist on him, and in five minutes he makes it look as if he had worn it a week."—Indianapolis Journal.

AT A NARRAGANSETT HOP.



Jack—How do you like sister's 'Veto' dress?

Ethel—'Veto' dress?

Jack—Yes, the governor wouldn't pass the bill for it.

His hair is red and tangled, and he has a turned-up nose; His voice is loud and strident, and it never gets repose; His face is full of freckles, and his ears are shaped like fins, And a large front tooth is missing, as you'll notice when he grins; He is like a comic picture, from his toes up to his head— But his mother calls him "darling" when she tucks him into bed.

It is he who marks the carpet with the print of muddy boots; And rejoices in a door-bell that is pulled out by the roots. Who whistles on his fingers till he almost splits your ear, And shocks the various callers with slang he chanced to hear. He fills the house with tumult and the neighborhood with dread— But his mother calls him "darling" when she tucks him into bed. —Washington Star.

Growth of the Human Hair. Some very curious facts in regard to the growth of human hair have just been published in the Dermatologisches Centralblatt, the author of the article being J. Pohl. The general belief up to the present time has been that the hair on the human head grows at the rate of about thirty-three millimeters a month, but Herr Pohl says it is not more than eleven millimeters.

He further maintains that hair grows more slowly after it is cut than at any other time, and that several days will elapse before it begins to grow at the normal rate. Furthermore, he noticed that hair after being cut does not grow in a uniform manner. The reason is because hairs are not independent, so to speak, but are clustered together in little colonies, each of which contains from two to four hairs. One of these hairs always grows faster than the others, but only for a certain time, for before it has attained its full growth the adjoining hair begins to sprout up, and in this way the hairs of each colony successively attain their full length.

A curious fact in connection with this alternate growth is that all the hairs of a colony never fall out of the head at the same time. If it were not for this wise provision many persons would have little bald spots on their heads. Human hair is constantly falling out, and the only reason why its loss is not more apparent is because in each of the countless little colonies there is at least one sturdy hair left, and all these combine to overshadow the baldness. Herr Pohl's investigations give the death blow to many old-time theories in regard to hair, and there is little doubt that his studies in this direction will prove of interest and value to many scientists.

Cleaning the Copper.

Here is a French recipe for cleaning copper, which is a very good one. Dissolve one ounce of oxalic acid in over one and a half pints of water, and add to it from one ounce to one and one-half ounces of rottenstone; tie a piece of woolen rag thickly round a stick and soak it in this mixture, being careful previously to have the copper as clean as boiling soap and water can make. The metal should be perfectly dry before the oxalic acid is applied to it. This recipe, however, requires care in the using, as oxalic acid is not a thing to play with. Indian brass is best cleaned with very fine sifted brickdust, moistened with lemon juice, or rubbed on with a cut lemon.

Getting Into the "Smart Set."

People who go about and into society tell me that when a woman ardently desires to make herself one of the favored few of the smart set there is really nothing she will stop at, and some of these same persons have been telling me this story in illustration of what they say: In high officialdom is a little lady, dainty as a spring crocus, who was a member of the inner circle long before she became a part of officialdom. On one of her last reception days she was chatting with two cabinet women, when a servant announced the arrival of a woman who is struggling to get into things as never a social climber struggled before. The hostess knew her by sight merely, and had never so much as a bowing acquaintance with her, but official people are used to seeing strangers at their receptions, and the lady of the house bowed with her usual graciousness. The climber's quick eye took in the situation. She saw the two cabinet women, and she knew they saw her. She rose to the occasion in masterly fashion.

"My dear Mrs. Blank," she said gushingly, "I was so sorry not to have been at home when you called Friday. It

was so sweet of you to come so soon, and I do hope you'll come very often, informally, that way."

For Housekeepers.

Cleanliness, economy and punctuality.

A place for everything and everything in its place.

Push in the dampers in the kitchen range when but little fire is required, so as to prevent unnecessary waste of fuel.

Fill dirty saucepans with hot soda water till there is time to wash them; this means a great saving of time in the end.

Keep all dry stores, such as rice, sugar, carbonate of soda, etc., in clean, dry, covered tins and jars, or dust and insects will soon appear.

Burn all vegetable parings and stalks, fishbones, and such like refuse, for if put in the dust pan they speedily decay and cause various ailments.

Where gas stoves are used, lower or turn out the burners, as soon as may be; this will make an enormous difference in the quarter's gas bill.—Household Realm.

Dry Air in Houses.

Observations by Mr. R. DeC. Ward on the relative humidity of the air in a room supplied with heat from a furnace indicate that the atmosphere in dwelling houses is sometimes drier than that of many desert regions. Even the mean relative humidity of Death Valley, California, is but slightly lower than that of the room in which Mr. Ward's experiments were made.

COOKING SCHOOL.

Veal or Lamb Kidneys.—Wash and remove the skin from the kidneys and soak in cold salted water for several hours. Split open the kidneys. Dip in crumbs (dried bread crumbs), in beaten egg, and then in crumbs again. Fry in deep fat for five minutes or saute in a little dripping for ten minutes. Serve with a brown sauce.

Raspberry Ice Cream.—Two quarts of berries mashed and pressed in a jelly bag. Add to the juice one pint of sugar. Place the mashed berries in one pint of milk, scald, strain into the juice. Add one quart of cream, more sugar if necessary, and the juice of one lemon. Place in freezer, pack and freeze.

Blackberry Sherbet.—One table-spoonful gelatine soaked in two table-spoonfuls of cold water till soft. Dissolve in one half cup of boiling water, strain. Add one pint berry juice, one pint sugar, one scant pint water, juice of one large lemon.—Household Realm.

United States courts in New Mexico cost the government about \$75,000 a year.

A Charming Muslin Frock.



length, and are finished with a turn-back cuff of panne velvet.

Has His Suspicions.

"Do you believe in the theory of reincarnation?" asked the mystical friend.

"Well," answered Mr. Cyrus Barker, dyspeptically, "I don't suppose there is any way of getting positive proof. But I will say that I've got neighbors who remind me of Herod and Caligula, and Nero and Henry VIII. and Judge Jeffreys and a lot more of those old-timers."—Washington Star.

Grounds of His Complaint.

"This is the third time you have come to me with a complaint about the coffee," said the steward of the steamer. "What's the matter with it? Isn't it strong enough?"

"Oh, yes," responded the kicking passenger. "It's strong enough to do what it ought to do—walk up to the captain's office and settle."—Chicago Tribune.

In Due Form.

"Mr. Nevergo," the young woman said, suppressing a yawn, "when the business of a meeting is ended what is the parliamentary form for bringing the proceedings to a close?"

"Somebody moves that the meeting adjourn," replied the young man, "and then—"

"Well, if you'll move," she interrupted, "we'll adjourn."—Chicago Tribune.



COMBINED COAT, KNAPSACK AND HAMMOCK.

from its supports. These end pieces when not in use can be folded up and placed in one of the pockets, with which the garment is provided.

Oil Instead of Coal.

Scarcity and high price of coal in Europe is causing a great deal of attention to be given to the use of petroleum as fuel. Richard Guenther, consul-general of the United States at Frankfurt, Germany, sends to Washington an interesting report on this subject, says the Argonaut.

After stating the advantages in the use of petroleum over coal as fuel, Mr. Guenther says it is claimed that petroleum and its manufactures will soon supersede to a great extent the use of coal for manufacturing purposes and therefore the supply of the oil becomes