

Shirt waists of some sort have become one of the necessities of dress and their popularity has brought forth the shirt waist suit. The shirt waist suit is made of foulard, madras, mercerized cheviots, surahs and taffetas, but the simple figured foulards and the plain surahs are the most fashionable. They are made with either plaited or box plaited skirts and blouses without linings, and girdles or belts of the same material, and with them is worn dainty turnover collars and cuffs. A charming combination is that of nun's veiling and taffeta. A model of dark blue veiling is combined with a green and blue shot taffeta. The blouse of the veiling has a little jacket of the silk, with short sleeves slashed over the undersleeves of veiling and ecrue lace. The skirt is laid in tucks.

A French Prodigy. Paris critics are now enthusiastic over a 16-year old girl whose marvelous singing and acting seem to promise for her a great future. Her name is Marthe Pierat, and she made her debut at the Odeon. On the day after her first appearance the Paris journals eulogized her voice, her acting and her beauty, until the name "Second Bernhardt" has come to be quite commonly applied to her. It is stated she takes her triumph calmly and altogether as a matter of course, but her friends say that she is in no danger of being spoiled by early admiration. She is a conscientious artist, with ambition, energy and tenacity. Her beauty is said to be fascinating, and the simplicity and naturalness of her manners would have made her famous even had she not been blessed with the additional gifts of musical and histrionic ability.

The Care of the Nails.

A young woman who has been living in Paris for a year says that no French manicure who treated her hands used a cuticle knife about her nails or a steel nail-cleaner. The little orange-wood sticks sharpened to a broad point were used to push back the encroaching cuticle, and to clean the nails after each washing of the hands. In this way the delicate enamel of the nail is not injured, and the under surface of the nail point is kept smooth. The French manicures, too, polish more often with a bit of chamois rather than a regular polisher, and cut the nails with a clipper instead of curved scissors. These clippers come in pairs, one for cutting the nails of each hand. Emery boards or a velvet file is recommended for the little filing needed to shape the nails. Never cut the cuticle around the nail, but press back lightly with the orangewood stick. Daily brief care when the nail is soft from the use of soap and water is all that is needed to keep the hands in good condition with a weekly manicuring. Use lemon juice instead of any other acid to remove stains.-Harner's Bazar.

"Hatless Girl" in Town.

"The dean of Chicago university has pronounced against the 'hatless girl." said a woman at the seashore. "It is exceedingly difficult to see just where the summer maiden vexes propriety by her pleasant habit of going hatless on a warm evening, or why, when she carries a parasol, or travels along country lanes or village streets in a covered phaeton on a summer's | bon and lace insertion, but interblendday, it is also necessary to burden her head with a hat. Custom is a curious thing. A woman is urgently besought to remove her hat in the theatre, and reviled for not doing so; and she may go to balls with a wisp of lace over her coiffure, or sit hatless in her own yard. But the air of the street suddenly renders the hatless girl improper. No women in the world have been so chained to the hat as those of America. Women of the southern races have always been independent of a head covering when they chose, and summer heat throughout the United States, though not as long continued, is as torrid as in countries nearer the equator. Furthermore, no hat is prettier than a pretty head of hair, and nothing improves the latter more than sun and air.-New York

Garlands for the Hair.

The hair is still raised in front a la Pompadour, slightly waved, and if the forehead be very high, it may be releived by a few curls on the brow; while on the back of the head the remainder of the hair is massed loosely in a light chignon or turned up in a catogan, in that careless manner that is, after all, the most difficult to achieve without untidiness.

Wreaths of real flowers were much worn in the hair in Paris during the last days of the season. Of course, the idea of a wreath of natural blossoms is old enough, but it is long since it has been used. However, the fluffy looseness of the hair dressed at the back of the head, not too low down, with the high pompadour in front, seems exactly made for the floral wreath to come between.

Natural leaves have been chosen in many cases; they are carefully wired in order that they may take the proper garland shape, surrounding the loose coils at the back and rising well on the top of the head. Lilies-of-thevalley, with their long leaves, make a most successful wreath arranged round the loose chignon in this manner: the foliage is the most important portion of the adornment, a few white hells just giving a suggestion of color. Real violets and leaves can also be favorably used, and pink or scarlet geraniums with variegated foliage come out pleasingly.

A Woman House Decorator. A clever New York woman, who has succeeded as a house decorator. is now developing a lovel adjunct to her business, which is findir; hearty co-operation from the real estate dealers. To sell or lease a house or apartment, agents have discovered that interior appearance at the time of inspection greatly facilitates. There is more money to be made in proportion out of a rental of a furnished house or apartment than from those unfurnished. People who go to New York merely for a season or two desire artistic settings which are out of their reach save at large expenditure. This clever woman has accumulated large assortments of antique furniture, picked up at auction for a song, and she is an acknowledged connoisseur. This furniture she leases to guaranteed parties. She co-operates with a firm of women real estate deal- but don't let him impose on you.

ers. The latter, for example, have an apartment which rents unfurnished for \$50: the decorator fits it up with her antiques, which give the appearance of wealth, and the rent rises to say \$100. Fifty dollars monthly soon pays the decorator for the outlay, and once the furniture is paid for, repairs excepted, it may be rented repeatedly at clear profit. It is stated that the two apartments fitted up in this manner paid for the furniture in lens than three months and increased the business of the agents to such an extent that they are unable to meet the demands for such apartments.

How Fashlons Are Set. Beyond peradventure fashion rules; but who rules fashion? This question Nancy M. W. Woodrow seeks to answer in the Cosmopolitan. She explains that in England Queen Alexandra is leader of the mode. When the Queen then Princess, donned a high jeweled collar to hide a disfigurement of the neck, almost every Englishwoman of fashion "fitted her neck to the voke like an obedient ox."

"On this side of the water we have no official arbiter of modes, no courts or royalties to determine the disputed issues of fashion. Nevertheless, there is in this country a standard as fixed as that of England or France. In each of our large cities one or more women are recognized as social leaders, whose flat on questions of etiquette and precedence is all-supreme; but it is to

little coterie in the metropolis, whose wealth, position, beauty and taste render them independent of cavil or criticism, that we look for guidance in the matters of fashion.

"As much at home on one side of the Atlantic as on the other, these women are entirely free from the diffidence of provincialism; and, gifted with unerring discrimination, they invariably select what best accords with their own preferences, serenely regardless of how the rest of the world may look upon the innovation. As a matter of fact, the rest of the world usually tumbles over itself in its haste to follow in their footsteps. "These are the women who form

the oligarchy of fashion in America, the supreme council before whose bar the conceptions of tailor and milliner and bootmaker must stand, to be either adjudged worthy or ruthlessly condemned and cast into outer dark-

Smart Dresses.

Many dressmakers in England and Paris have exclusive modes in dresses; and the woman is cleverest who can find out where garments are to be had which suit her best. Tall, slender women can wear shaped flounces which would be fatal to one threatened with embonpoint. A young, fresh face with light hair and tender coloring may adopt the fashionable greens without fear. Every one nowadays has to be careful not only in her coiffure, but in the manner in which she puts on her hats, for there is so much variety in them and they are so unusual as compared with what we have been wearing that it is a matter of importance to set them at the right angle in order not to overstep the narrow boundary which divides the sublime from the ridicuious. There are many new items in ma-

terials-champagne silk, for example, which is used for millinery as well as for dresses, and for the former requires to be trimmed with flowers of very subdued hue. Many beautiful gowns in this shade are made with appliques of lace and vests of chine muslin.

We are returning to an old style of long ago, in which skirt and bodices alike are made of alternate stripes of black velvet and lace insertion or ribing with cordings and embroideries, sometimes in silks and sometimes with heads. Often scarfs or stole ends of lace are draped from the shoulders just covering the point, and a bertha of velvet and beaded fringe falls over the blouse front in these velvet and lace gowns. A very pretty sleeve has a puff of gossamer tulle coming from the point of the shoulder to above the elbow, where it is held in place by a wreath of pink roses, from which a ruffle descends.-Washington



A linen crash gown is trimmed with large French knots.

Shepherd check mohairs are included in the season's collection of fasaionable fabrics. Gray silk hosiery is very dainty with the open work fronts dotted with little

clusters of steel beads. Oriental embroideries for collars, cuffs and revers on canvas gowns have

a most striking effect. Sheeriness of fabric is the special

feature of the season's lingerle. There are some pretty petticoats of china silk, lace trimmed. Night robes are mostly in the Empire style. Bands of fine linen, either white or

colored, joined with a fancy stitch or a band of lace insertion and inset directly in front with a lace medallion, are among the pretty things for dressing the neck.

Since the contrasting shades of lining have come in again grass lawns have blossomed out anew. They come in wide variety, some embroidered in different colored dots, others have velvet dots woven in.

Many of the waists blouse in the back as well as in front. Of course, the fulness is by no means as much as it is in front, and it never appears except in very thin, soft fabrics. The belt to be worn with such a waist is of medium width.

Stones have been set in about everything, it would seem. At present there are some very lovely single spoons of gold in the top of which are cut anethysts. The newest veil is of chiffon spotted with black velvet, in which the entire head may be tied up as in a bag.

Checked silks in black and white, brown and white and blue and white, made very simply, are used extensively for morning gowns. They have entirely superseded the dark foulards, and some are trimmed very prettily with ribbon velvet or bands of plain taffets.

Things Have Changed. "And she used to take dictation at 130 words a minute." "Great speed. But is she so slow

now?" "Well, I guess! She's married."-Baltimore News.

It's all right to love your neighbor.

BIRDS ARE BEE-EATERS.

They Only Consume Stingless Drones -Working Bees Are Safe,

A gardener complains to me about the loss he sustains owing to the fondness of the pretty little bluetit for "You'd never believe the lot that little chap snaps up, right off the board in front of the hive." The spotted flycatcher, a charming summer migrant, whose pretty nesting and feeding habits I have watched with great interest, and whom I have found to be a very confiding bird and one true to his old nesting places, has also been most unjustly libeled and persecuted for the same reason.

time when flycatchers are wanting

these fat drones to feed, their young

with. The swarming season is then

over. Instead of destroying the use-

ful insects the birds are actually

helping the workers. And so they are

The error of attributing the destruc-

tion of working bees to the action of

birds is a very old one. In the fourth

Georgic, Virgil writes to the fol-

lowing effect: "The bloody-breasted

swallow bears away in her beak the

bees while on the wing, sweet morsels

for her merciless young." A writer

in an old number of the Beekeeper's

Journal says: "I saw a swallow fly

up to another which was sitting on a

telegraph wire and put something in

its mouth, and then go away; the

other almost immediately dropped it.

I found it to be a large drone."-

Waiter-Have a piece of pie, sir?

eat pie. It doesn't agree with me.

Pincher-No. thank you; I never

Waiter-To every person who has

eaten one order we give pie without

Pincher.-Come to think it over, you

may bring me three pieces of pie-

two of berry and one of custard .- Bos-

F. J. Cheney & Co., Toledo, O., Props. of Hall's Catarrh Cure, offer \$100 reward for any case of catarrh that cannot be cured by

taking Hall's Catarrh Cure. Send for testi-monials, free. Sold by Druggists, 75c.

Germany's army on a war footing now amounts to 250,000 officers and 5,788,000

FITS permanently cured. No fits or nervous-ness after first day's use of Dr. Kline's Great

ServeRestorer. S2trial bottle and treatisefree

Dr. R.H. KLINE, Ltd., 981 Arch St., Phila., Pa.

In the German empire, exclusive of Ba-

aria and Wurtemberg, there are 3303 long-

Mrs. Winslow's Scothing Syrup for children

Butter from sterilized cream is now

made on a large scale in Sweden and Den-

Jam sure Piso's Cure for Consumption saved

my life three years ago .- MRS. THOMAS ROB-

BINS, Maple St., Norwich, N. Y., Feb. 17, 1900.

Paper coal is a form of lignite found near

From the Treasurer of the

Caine, Fond du Lac, Wis.

Young People's Christian Tem-

perance Association, Elizabeth

"DEAR MRS. PINKHAM: - I want to

tell you and all the young ladies of the

country, how grateful I am to you for all the benefits I have received from

using Lydia E. Pinkham's Vege-

table Compound. I suffered for

MISS ELIZABETH CAINE.

eight months from suppressed men-

struction, and it effected my entire

system until I became weak and debil-

itated, and at times felt that I had a

hundred aches in as many places. I only used the Compound for a few

weeks, but it wrought a change in me

which I felt from the very beginning.

I have been very regular since, have no

pains, and find that my entire body is

as if it was renewed. I gladly recom-mend Lydia E. Pinkham's Vege-

MISS ELIZABETH CAINE, 69 W. Division

St., Fond du Lac, Wis .- \$5000 forfelt If

bove testimonial is not genuine.

At such a time the greatest aid to

nature is Lydia E. Pinkham's

Vegetable Compound. It prepares

the young system for the coming

change, and is the surest reliance for

Mrs. Pinkham invites all

young women who are ill to

write her for free advice. Ad-

Genuine stamped C C C. Never sold in bulk.

Beware of the dealer who tries to sell "something just as good."

BOROKOKOKOKOKOKOKOKOKOKOKOKOKOKO

Sold by all Druggists.

Now on one

Give the name of this paper when

Tradicted with Thompson's Eye Water

TEADACHE, eee ?

AND COLDS CURED BY

CAPUDINE

DROPSY 10 DAYS' TREATMENT FREE

Have made Dropsy and its com-plications a specialty for twenty years with the most wonderful success. Have cured many thous-

and cases.
DR. H. H. GREEN'S CONS.

FEVERISH CONDITIONS &

Free Test Treatment

If you have no faith in my method of treatment, send me a sample of your morning urine for analysis. I will then send you by mail my opinion of your disors and one wash's

then send you by mail my opinion of your disores and one week's treatment REE OF ALL COST. You will then be convinced that my treatment curse. Mailing case and bottle for urine sent free. DR.J.F. SHAFER, 522 Penn Ave., Pittsburg, Pa.

woman's ills of every nature.

dress Lynn, Mass.

table Compound to everybody

Germany. It splits naturally in

teething, soften the gums, reduces inflamma-tion, allays pain, cures wind colle. 25c. a bottle

distance telephone stations.

films thin as paper.

Pall Mali Gazette.

extra charge.

ton Transcript.

the best friends of the beekeeper.

Puzzle Cushions, Now. The latest cushion in the Gibson girl series shows her seated in a drawing room. A young man near by is biting his lips by way of fortifying his courage, while the rest of the company is socializing on the other side of a large screen. Under this picture we are admonished in the plainest of lettering to find the girl who is going The fact is both these birds do to be kissed within ten minutes. The take bees, but if the complainants best part of this puzzle picture is that followed up the matter they would you don't have to stand on your head find that the birds dare not take a to solve it. Furthermore, the charworker bee, because of its sting, and acters are of normal size, which is they only devour the stingless drones more than can be said of the mix-up which are being turned out of the of Liliputians and Brobdignagians in hive, or are destroyed by the workmost puzzle pictures. ing bees as no longer necessary to the economy of the hive, just at the

FOR

HOUSEWIFE

The Electric Lamp.

The electric lamp has kept pace with the development along artistic lines that is apparent in all branches of household fitments. The incandescent lamp is now admitted to the dining table, although until recently the incandescent burner was thought to shed too pitiless a giare to be desirable for dining table illumination. The glare has been ingeniously softened, and at a recent dinner the electric lamp, which occupied the centre of the table was the most effective decoration that could be imagined. The pedestal and supporting column were ot silver gilt, around which were grouped charming female figures in French bisque. The incandescent burners were shaded by glass globes in soft hue of rose; these in turn were veiled with numberless strings of pearls in rose-white tint, and the light shone through with a softened glow that was delightful.-Brooklyn

Glasses for the Table.

Nowadays the fashion is to serve a different type of glass with each course at dinner, and thereby display the varying beauties of shape, coloring and engraving of one's lavish store. Some hostesses, who do not go quite to these lengths, have adopted different sets of glass to match their various sets of china, and a new and fashionable painted glass for dinner parties has come recently into use.

The crystal is very bright and thin, and adorned with a green, red or blue band at the edge of the bowl and on the edge of the foot, and the owner's initial and some heraldic device are cainted on the side of every piece. This is highly ornamented, but care

must be taken not to use red-banded glass with a blue china service, else there will be anarchy in the carefully elaborated decoration of the table. Furthermore, it is not considered tasteful, to say the least, to use one set of glass straight through a meal -Philadelphia Inquirer.

Hot Weather Cleaning. For the hot weather cleaning, when

all unnecessary exertion should be avoided, quick and easy methods of keeping the summer cottage in order are in demand by the practical house-Use whiting or ammonia in the

water for washing windows instead of using soap.

ter putting up the berries, and washing does not remove the brown streaks use the kettle for boiling potatoes in. their jackets. Lemon and salt will remove stains

from the fingers after peeling potatoes or working in the garden. To keep tinware bright and shining polish with newspapers occasionally.

When frequently used, the tin will re-

quire no polish beyond that given by

the daily washing and drying. It is well to remember that hot water will set grease stains in clothing. If grease is spilled upon aprons or the white goods of the summer sewing become spotted with sewing machine oil in the making wash out the spots with cold water before putting

into the hot suds. Blood stains are also quickly re moved by soaking and washing in cold water before using not water or soap; Summer heat and dampness will quickly cause mildew at this season, and it is difficult to remove it from clothing. The best plan is to use a weak solution of chloride of limeabout a teaspoonful of lime to a quart

To clean brass bird cages, wash in cold suds and sprinkle with whiting, then dry and polish with dry flannel and chamois.

of water.

To remove white stains and spots from furniture rub them with spirits of camphor, then with flannel wet with linseed oil, and finally with dry



Chicken a la Maryland-Singe, drain and wash quickly one or two chickens; split them down the back; springle with salt and pepper; dip each half in beaten egg, then in bread crumbs; put them in a buttered dripping pan and pour over a little melted butter; place in the oven and roast for 20 ninutes; remove to a hot platter and pour over one cupful of cream sauce made with one tablespoon of butter. one tablespoonful of flour, one cupful of milk, salt and pepper; serve small corn fritters.

Currant Flummery-This is nice for breakfast on a hot morning, as it is just art enough to give the zest one Add two cups of granulated o the strained juice of two mashed red currants. Stir quar ir is dissolved. Take one until s juice and pour over a pint pint o rice and blend until perfeetly smooth. Boil the remainder of the juice in the greal kettle, and into this stir carefully the thickened juice. Cook until thick and then pour into molds large or small and set on the

ice to stiffen. Patatoes With Cheese Sauce-Pare, boil and mash 12 good-sized potatoes; season with sait and pepper and moisten with a little butter and hot milk. Make a half pint of drawn butter, season with salt and pepper and stir in two beaten eggs and two tablespoonfuls of grated cheese. Put a layer of the potatoes in a buttered baking dish, and cover with a thin layer of the sauce; then add another layer of potatoes, then more of the sauce and in turn more potatoes and sauce heaping up in a mound and covering the top with the sauce; strew this

thickly with grated cheese and set in

a quick oven to brown.

THE UNDERGROUND MOISTURE. The Water Table Has Been Brought

Nearer the Surface. One of the interesting developments which of late years have been attracting considerable attention in connection with irrigation is the charge in the underground water level of few months the United States Geologi-Water Supply and Irrigation Papers a report of J. B. Lippincott, resident hydrographer by the Survey for Calibilities on Kings River, which confound in the irrigated portion of the Kings River Valley near Fresno.

the "water table," is the distance be- of the forge or factory on the surneath the surface at which the soil is found to be saturated with moisture. In the Fresno district the striking fact has developed that, while previous to the practice of irrigation there in 1870 the water table stood at 60 feet below the surface, at the present time it is found at from 10 to 15 feet, and in places even from and on the amount of coal produced 4 to 6 feet. So high has the water risen in certain sections that some of the cellars near Fresno were flooded and had to be abandoned, and the ground water at present stands so near the surface that roots of alfa- 500 to 1.000 cubic feet of air per fa, vines and trees readily penetrate minute for each human being employit and soils are kept continually moist. Surface wetting has become unnecessary in many sections.

This condition of saturation represents the use of an immeuse amount of water in irrigation. The total quantity of water brought to the vicinity of Fresno, as indicated by the report, during the seventeen years between 1879 and 1896 would, at a very low estimate, have covered the 50,000 acres, to whose surface water is applied in irrigation, to an average depth of 41/2 feet per annum, er to a total depth of 75 feet. Some of this water has, of course, been consumed in sustaining plant life; more has been evaporated; but the most of it still permeates the subsoils of the irrigated region and of the adjoining lands.

The abundance of underground water has been widely taken advantage of by the inhabitants of the region, and over 850 wells have been sunk, whose individual capacity varies from a small discharge to over a million gallons. These wells are used largely for domestic purposes and for stock, but they are also employed for irrigation, street sprinkling and city supply. One of the largest well 600 feet deep, driven in a city lot 50 by 150 feet, for the supply of a city of 12,000 inhabitants.

THE SECRET OF SOARING. A Naturalist Claims to Have Discovered It at Last.

The power of the condor, the hawk, the vulture and some other birds, to soar without a single motion of the wings for hours at a time has never been satisfactorily explained An English naturalist, Mr. J. Lancaster, claims to have discovered the secret and by accident. He had been study. ing the subject for 15 years without arriving at a conclusion, when the killing of a yellow tailed hawk on the Flat Top Mountains of Colorado gave him the solution. A furious forest fire had been raging in that region Offers to the colonists the lowest and had filled the air with smoke and ashes. While he was examining the hawk's feathers he noticed a peculiar stain on the sides of the quill between the spicules.

Examination with a powerful nicroscope showed that the stain extended along each spicule between the plates. The downy filaments filling the double wall-structure of the wings had the same discoloration. He scraped off the stain, and found that it resembled soot from a stove-pipe, which showed that the smoke-filled air had been going through the wings in an incessant stream, carrying the carbon particles with it:

Here was the secret of soaring revealed to him. A feather is an airengine consisting of a quill and two vanes, made of spicules, between which are the plates. The spicules make a channel about one-fortieth of an inch in width, and the plates cross it. There are about one thousand of them to the inch, and they are located at the outer surface, filling about one-fifth part of the depth of the channel. About nineteen-twentieths of the space of the channels is open to the passage of air.

The mechanical service of the plates, he says, is obvious. The curve impinges against the air-current through the feathers and drives the bird to the front. Pressure produced by the normal factor of weight is thus made to serve as the motive power of flight.

THE ONE-SHOE RULE.

Experience Teaches in the Retail Boot and Shoe Business. . The proprietor of a little shoe store

on the East Side was alone in his place yesterday when a short, stout young man walked in and asked to look at a pair of shoes. He had tried on a number of shoes when the shoe dealer looked at him and said: "Ve alvays deal square mit people

like you. I am acquainted with your mother. She alvays gets her shoes here, und dot is vhy you can have dot pair for \$2." The man laced up the shoes and

was about to tie the shoestrings when another young fellow came in. "You stiff," he growled to the customer, "why did you insult my sis-"You go back to that place or I'll

punch you full of holes," replied the man who had the shoes on. The next minute he received a

punch on the cheek and the fellow who had done the punching ran out. The man with the new shoes ran after him shouting. They disappeared around the corner. The owner of the store waited half an hour and then called his wife

from their apartments in the rear. "Becky," he said, "I tink mebbe dot man is a swindler." "Swindler," repeated Becky, "vhy I heard you say his mother vere a

customer.' "Ach, dot vere only a business lie, but it cost me \$2. Der next man vill only get one shoe to try on before he pays cash down. Dot's der

new rule; understand?"

FRESH AIR IN COAL MINES. The Quantity the Miners Need and

and How It Is Supplied to Them. In the operations of coal mining, which, in the United Kingdom alone, produce something over 235,000,000 tons a year, and find employment for nearly three-quarters of a milirrigated districts. Within the last lion of people, there is nothing of more vital importance than the concal Survey has issued in its series of tinual supply of a sufficient volume of fresh air for diluting the noxious gases prevalent in the mines and for enabling the underground workers fornia, on the water storage possi- to breathe a comparatively pure atmosphere. It may be said of modern tains interesting information regard- mines that the efforts to provide this ing the underground water conditions | air have, in the majority of cases, been attended with so much success that the atmosphere of a modern coal mine is superior to the atmosphere The height of the ground water, or

> face. The particular amounts of air required at the various collieries depend somewhat upon the nature of the mine, whether non-gaseous, or slightly gaseous, or very gaseous; also upon the number of human beings and animals employed in the mine; which is not always in proportion to the number of persons engaged there-

Taking all classes of coal mines, a fair and liberal consumption is from ed in the mine. Authorities differ very much as to the quantity, and even the lesser of the amounts stated will, in many quarters, be considered excessive; but they are not exaggerated amounts, and there are exceptional cases where even the larger quantity could, with advantage, be

greater rather than less. Taking the total number of persons employed in and about the mines of the United Kingdom as three-quarters of a million, nearly 600,000 of this number will be employed underground, and the consumption of air, on the lower basis stated, for such an army of workers will amount to something like eighteen thousand million cubic feet per hour, representing in terms of weight more than half million tons.

Making a comparison between the weight of the coal raised and the weight of air which passes through the mine in the length of a year, it has to be remembered that while coal production is not continuous, and in many cases occupies less than half of each twenty-four hours, and not always six days in the week, good ventilation at collieries means that the current is practically continuous pumping plants draws water from a from January 1 to December 31, day and night, Sunday and week day. Following out the figures given above, it is found that the weight of air which ought to pass throught the mines of the United Kingdom in a year is not less than four thousand million tons, or something like twenty tons of air for each ton of coal produced.

It is not too much to say that, taking the coal mines of the world, the weight of air passing through them for purposes of ventilation exceeds the weight of all the minerals raised even if the generous, although neces-'sary, maximum estimate of one thousand cubic feet per minute per individual be reduced one-half .- C. M. Percy, in Cassier's Magazine.

The Frisco System

rates with quick and comfortable service to all points in the west and northwest. Thirty dollars (\$30.00) from Memphis. Tickets on sale daily during September and October. Correspondingly low rates from all points in the southeast. For full information address W. T. Saunders, G. A. P. D.; F. E. Clark, T. P. A., Pryor and Decatur streets, Atlanta, Ga.

A Mexican Railroad's Record of Safety Considerable prominence has been given in the press of the world lately to the fact that not a passenger on the English railroads has been killed during the year 1901. It may prove of interest to know that the Mexican National Narrow Gauge Road, from Corpus Christi through Laredo to the City of Mexico, with its branches, amounting to more than 1,200 miles of operated road, for more than twenty years, has never killed a passenger. This, in the face of the fact that this road climbs more mountains, turns more curves, than any road in the United States.-Galveston Daily News:

Mother

"My mother was troubled with consumption for many years. At last she was given up to die. Then she tried Ayer's Cherry Pectoral, and was speedily cured." D. P. Jolly, Avoca, N. Y.

No matter how hard your cough or how long you have had it, Ayer's Cherry Pectoral is the best thing you can take. It's too risky to wait until you have consumption. If you are coughing today, get a bottle of Cherry Pectoral at once.

Consult your doctor. If he says take it, then do as he says. If he tells you not to take it, then don't take it. He knows. Leave it with him. We ar willing.

J. C. AYER CO., Lowell, Mass.

Three sizes: 25c., 50c., \$1. All druggists.

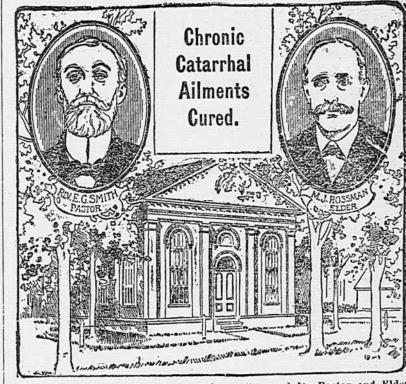
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