

Through a Sieve Woven Finer Than Silk

Raw materials of which portland cement is made come out of the ground usually as solid rock.

They must first be crushed, ground and reground until at least 85 per cent of the resulting powder will shake through a sieve that will actually hold water.

This sieve is considerably finer than the finest silk fabric. It has 200 hair-like bronze wires to the inch. That means 40,000 holes to the square inch.

But the several crushings and grindings necessary to reduce solid rock to this extreme fineness are only the beginning of cement making.

The powdered materials must then be subjected to intense heat for several hours in huge rotary kilns. Here they are half melted and become a substance much harder than the original rock—clinker, it is called.

Then the clinker must be crushed and ground until at least 78 per cent of the resulting product will pass through the sieve finer than silk. This is portland cement.

More than 80 power and fuel consuming operations are necessary in cement making. The electric power alone used in producing a barrel of portland cement would, if purchased at usual household rates, cost \$1.70.

Few manufactured products go through so involved or complicated a process as portland cement. And it sells for less per pound than any comparable manufactured product.

PORTLAND CEMENT ASSOCIATION

111 West Washington Street
CHICAGO

A National Organization
to Improve and Extend the Uses of Concrete

- | | | | | |
|------------|--------------|-----------------|-----------------|-------------------|
| Atlanta | Denver | Kansas City | New York | San Francisco |
| Birmingham | Des Moines | Los Angeles | Parkersburg | Seattle |
| Boston | Detroit | Memphis | Philadelphia | St. Louis |
| Chicago | Helena | Minneapolis | Pittsburgh | Vancouver, B. C. |
| Dallas | Indianapolis | Portland, Oreg. | Portland, Oreg. | Washington, D. C. |
| | Jacksonville | New Orleans | Salt Lake City | |

Careless Cat.

Mr. B. writes: "Three-year-old Allan had been put to bed for his regular afternoon nap. While lying there trying to hold off the sandman his pet cat jumped upon the bed and remained there purring loudly. After gazing at it a few minutes Allan exclaimed: 'Hey, you! Why don't you shut off your motor when you're supposed to be still.'"—Boston Transcript.

Watch Cuticura Improve Your Skin. On rising and retiring gently smear the face with Cuticura Ointment. Wash off Ointment in five minutes with Cuticura Soap and hot water. It is wonderful what Cuticura will do for poor complexions, dandruff, itching and red, rough hands.—Advertisement.

Life Is a Game.
"People are just like cards."
"Ha?"

"The bad deuces help me out and queens throw me down."—Louisville Courier-Journal.

Sometimes agreeing with other doesn't do any good. They're just as cross.

WOMEN CAN DYE ANY GARMENT, DRAPERY

Dye or Tint Worn, Faded Things
New for 15 Cents.



Don't wonder whether you can dye or tint successfully, because perfect home dyeing is guaranteed with "Diamond Dyes" even if you have never dyed before. Druggists have all colors. Directions in each package.—Advertisement.

Much of the democracy we talk of consists in the right to vote more taxes.

"Moyen-Age" Fashions Again;

Wash Dresses Show Variety

WITH the advent of real fall weather the new styles in suits and dresses are called on to meet the acid test of popular taste. Early models have been with us for several weeks and these show the trend of the fashion, although they do not definitely establish it. In garments now being shown there is a tendency toward a slightly different silhouette than that of the late summer and between-season styles. Skirts are still long but will probably become shorter. Blouses are made fuller, costumes

them as in everything else. New patterns in familiar materials, especially in printed cottons, contribute more to the element of novelty than anything else.

Ratine has come to the fore this season and an attractive model is shown in the illustration.

The dress at the left is of plaid ratine in blue and tan. The collar and cuffs are of white pique and are of course detachable so they may be kept looking fresh. The waist is slightly bloused and is held just over



Two Dresses Reflect Moyen-Age.

generally fit the figure more casually than the straightline styles and there is an increasing interest in platings, tiers, ruffles and drapes to elaborate both blouses and skirts.

The intricate and graceful draperies of the Moyen-Age (that is, the middle-ages) find a reflection in the two dresses illustrated here. That at the left is a blue serge with full sleeves and blouse held loosely to the figure with a narrow belt. The trimming is

the hips with a belt of the same material bound with a narrow silk ribbon. There is a touch of white pique at the pockets, which are further ornamented with a row of pearl buttons.

The dress at the right shows a combination of plain and printed cotton cloths and introduces a new touch in the narrow girdle, of the plain material tied at the front. This model might be accurately described as a morning dress in which the wearer



Pretty Wash Dresses.

gray soutache braid which follows the shoulder line and ornaments the two pockets on the skirt. Collar and cuffs are of gray faille silk. With this costume is shown an extremely new and smart hat and bag set. Both hat and bag are made of bright green leather trimmed with celluloid ornaments in an all-over design.

Crepe de chine is used in making the afternoon gown shown at the right. The short sleeves and draped skirt are trimmed with deep ruffles of plaited georgette finished with an edging of white lace. In this costume, the elaborately-draped skirt shows the most significant change in recent fashions. The narrow plating shown in the deep ruffles is being used in lace berthas, sleeves, tiers, bouffant drapes and even on lingerie.

Wash dresses vary only a little from one season to another since they must all be designed with an eye to usefulness and comfort, and must be put together so that they will launder easily. Nevertheless the element of style and attractiveness grows more and more important in

will feel comfortable on her marketing or shopping tour. The blouse portion is cut in the kimono style and the skirt portion has panels of the figured goods introduced at the sides, ending at the top in capacious and very convenient pockets.

Nothing has out-rivalled checked gingham made up with pique or plain chambray for utility dresses. The checks are small—a color with white—and the colors are fast, so that proper laundering does not change them. These tub dresses belong to several classifications, and have varied names—as morning dresses, house dresses, apron dresses, bungalow dresses or simply wash dresses. There are little shades of difference in them—apron dresses, for instance, are those designed for wear at housework and nowhere else, while some wash dresses may venture on the street, but are still in the class of utility dresses.

Julia Bottomley
(© 1922, Western Newspaper Union.)

Mrs. Bolling Gained 25 Pounds in Sixty Days

How Tanlac restored her to perfect health, adding twenty-five pounds to her weight within two months time, was recently related by Mrs. L. R. Bolling, 225 North Dawson Street, Raleigh, N. C.

"I suffered from stomach trouble and chronic indigestion which kept me in such a weak, nervous run-down condition for two years that I could not attend to my household duties. Gas would form in my stomach, causing bloating, splitting headaches and suffocating spells when I would get so dizzy I would almost fall over. Pains around the heart worried me half to

death and I fell off from 140 to 115 lbs. I could scarcely eat or sleep at all.

"In a drug store I happened to hear of Tanlac, and began taking it. Inside of two months I was in perfect health and had gained twenty-five pounds, and now I feel better than in years. Tanlac is the best stomach medicine made, I believe."

Tanlac is for sale by all good druggists. Accept no substitute. Over 37 million bottles sold.

Tanlac Vegetable Pills are Nature's own remedy for constipation. For sale everywhere.

WINTERSMITH'S CHILL TONIC

STANDARD FOR 50 YEARS

A Fine Tonic. Builds You Up Prevents and Relieves Malaria-Chills and Fever-Dengue

The Missionary Movement. Minister (to flapper)—Would you care to join us in the new missionary movement?

Flapper—I'm crazy to try it. Is it anything like the fox-trot?—Everybody's Magazine.

Cutting Teeth Made This Baby Deathly Sick

"When my baby began cutting his teeth he became deathly sick and his constant crying almost broke my heart," writes Mrs. D. H. Tidwell, Grand View, Texas, "but as soon as I started giving him Teethina he got over it and next day was laughing and playing as if nothing had ever been the matter with him."

Teethina is especially designed to allay the irritation and feverish conditions that are the cause of so much fretfulness in teething children. It soon stops the pain, relieves the trouble and gives the distracted mother rest and comfort.

Teethina is sold by leading druggists or send 30c to the Moffett Laboratories, Columbus, Ga., and receive a full size package and a free copy of Moffett's Illustrated Baby Book.—(Advertisement.)

PATIENTS AIDED BY RADIO

Helped to Forget Their Shattered Nerves and Takes the Place of Sedatives.

Combating the drug habit was not among the uses to which it was believed that the radio could be put, even by its most optimistic promoters. Yet it has been discovered that patients in hospitals equipped with radio sets which can pass along afternoon and evening concert programs, are helped to forget their sufferings and are less in need of narcotics to quiet their shattered nerves. The radio goes far toward carrying into the wards the gaiety and cheer that have been hitherto only for the healthy world outside. Inasmuch as all doctors agree that many drug addicts acquire the addiction during convalescence in hospitals, this achievement becomes one of the most important that has thus far been set down to the credit of the radio. The radio may remain a toy or a jest for the healthy and cynical. It has already established itself as a heaven-sent blessing for shut-ins.—New York Tribune.

Practical Evidence Wanted. Loves'ck Youth—I gladly would die for you!

Practical Maid—That's nice; but please wait until after we are married and you have your life heavily insured.—London Answers.

During the Discussion. "Bah, you have no religion." "Yes, I have a religion, but I don't get mad over it."



You Need HANCOCK SULPHUR COMPOUND

Physicians agree that sulphur is one of the most effective blood purifiers known. For pimples, black-heads, freckles, blotches, and tan, as well as for more serious face, scalp and body eruptions, hives, eczema, etc., use this scientific compound of sulphur. As a lotion, it soothes and heals; taken internally it gets at the root of the trouble. For over 25 years Hancock Sulphur Compound has given satisfaction. 60c and \$1.20 the bottle. at your druggist's. If he can't supply you send his name and the price in stamps and we will send you a bottle direct. HANCOCK LIQUID SULPHUR COMPANY Baltimore, Md. Hancock Sulphur Compound Ointment—30c and 60c—for use with the Liquid Compound.

Cuticura Soap IS IDEAL For the Hands

Soap 25c, Ointment 25 and 50c, Talcum 25c.

ORIGIN OF GOLD NUGGETS

United States Geologist Says Finding of Huge Pebbles Does Not Indicate Large Vein.

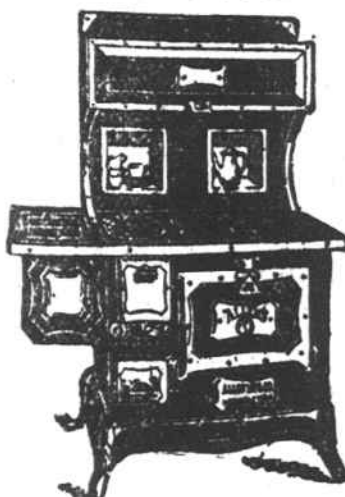
In a rugged, out-of-the-way region on the ocean side of the Coast ranges, in Monterey county, California, gold nuggets have been found of such size as to suggest that this was once a favorite retreat of the proverbial goose that laid the golden eggs. Matter-of-fact prospectors, however, have sought to find the veins from which such masses of gold, loosened by the weather, were washed into the stream beds. Their search has not been successful, and J. M. Hill, a United States geologist of the Department of the Interior, in a report just published, suggests that the nuggets came from rich superficial pockets in very small veins, and that no large and rich deposits are likely to be found by deep mining. The Coast ranges of California, unlike the Sierra Nevada, are not rich in gold, and the occurrence of these large nuggets does not necessarily indicate the existence of a rich deposit of gold ore.

The Bright Side.

"Any luck on your fishing trip this morning?"
"No. Didn't get a bite."
"That's too bad."
"Not at all. It's just as well. If I'd caught enough fish for dinner the wife would have made me clean them and I hate that job."

ALLEN'S PRINCESS RANGES

COPPER BEARING IRON



MADE of the famous rust-resisting Copper-Bearing Iron—tested for over a quarter of a century—Nearly a million in use—your neighbor or someone near you uses one—known and sold everywhere.

There is an Allen Dealer near you—in your town or close by. Write us for catalog and where they may be bought.

ALLEN MANUFACTURING COMPANY
NASHVILLE TENNESSEE

A natural source of vitamins

Grape-Nuts

with milk or cream

Contains every element for perfect nutrition

a complete food

"There's a Reason"

Western Cereal Company, Inc. Seattle, Wash., U.S.A.