

# 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 woven 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 | Parkburg        | Seattle          |
| Boston     | Detroit      | Memphis     | Philadelphia    | St. Louis        |
| Chicago    | Helena       | Minneapolis | Pittsburgh      | Vancouver, B.C.  |
| Dallas     | Indianapolis | New Orleans | Portland, Oreg. | Washington, D.C. |
|            | Jacksonville |             | 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 standing 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."  
"Eh?"  
"I've had deuces help me out and queens throw me down."—Louisville Courier-Journal.

Sometimes agreeing with others 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.

## BETTER ROADS

### Back Move in Support of Improved Highways

Legislative activities, both state and national, on behalf of good roads and in support of motor vehicle laws which are fair to the individual automobile owner will constitute a prominent part of the American Automobile Association's program for the coming year, according to a statement by Thomas P. Henry of Detroit, new president of the A. A. A., at an informal meeting held at Washington.

National problems will be handled by the national organization and local matters affecting the motorist in the various states will be taken up through the state association of clubs of such state which are affiliated with the A. A. A.

Highway legislative activities, according to Mr. Henry, will include an intensive program directed toward eliminating in so far as possible the personnel of the various highway boards and commissions from partisan politics. Decision to concentrate on this problem was reached after a study of statistics which show that highway departments of eighteen states have been radically changed during the last few months.

"We feel," said Mr. Henry, "that the building and maintenance of highways is of too great importance to be interrupted by a complete change in administration. Adequate highways are a boon to the whole people, and partisan politics should play no part in their construction. We feel that every highway department should be operated on a businesslike basis with the best obtainable personnel in charge, in order that the people who pay for the roads may get the utmost for their money."

Closer co-operation with other national organizations was also suggested by President Henry as a part of the year's activities for the A. A. A. "Every cause advocated by the American Automobile Association," he said, "is altruistic in purpose, and there is no reason why we should not have the co-operation of every great national organization in support of the measures we advocate."

"Good roads benefit everybody, unfair taxes on the automobile affect every class of people; measures which give the motorist a square deal are of interest to every national organization. As the activities of the A. A. A. are confined solely to advocating beneficial measures, and as Secretary Wallace so aptly expressed it, 'the A. A. A. has no ax to grind,' there is no reason why we cannot co-operate with other organizations and receive in turn their co-operation."

### States Utilize Surplus War Material on Roads

(Prepared by the United States Department of Agriculture.)

Surplus war material which the government refused to sell at junk prices is being used in road construction to great advantage by the states to whom the material is transferred, according to the bureau of public roads of the United States Department of Agriculture.

At the end of the war there was left unused over a half-million pounds of rough castings of spare parts for one of the well-known makes of motor trucks. They were badly rusted and on casual inspection might have been condemned as worthless junk, but it was found that the necessary machine finishing entirely removed all rust and pits. A small offer for the entire lot was made, but was not accepted. A few months ago the state highway department of North Carolina accepted a portion of them as part of its share of surplus war material for use in road building. Surplus war machinery was used for finishing the parts for use in trucks also received as surplus war material. The finished parts are worth about 75 cents a pound as compared with an offer of one cent a pound for the parts in the rough.

Other states have followed the example of North Carolina and the entire supply has been taken up and will be put to useful service.

### Iowa Inaugurates Roads Campaign in Each County

The Iowa Good Roads association, permanently organized and with a definite highway building program adopted, has set out to lay its plans before the people of the state and win support that is expected to carry the program to completion.

Plans already are being made to cover each county in an educational campaign on behalf of the movement to "lift Iowa out of the mud." The association's next big meeting probably will be held here in December during the special session of the legislature which will be called upon to enact some laws necessary to the program.

### In Past 11 Years Large Sum Spent for Highways

During the past 11 years the United States Department of Agriculture has spent \$20,485,200 in the construction of 5,950 miles of roads and 8,960 miles of trails within or adjacent to the national forests.

**Leads in Tree Planting.**  
California has the distinction of leading all other states in roadside tree planting.

## IMPROVED UNIFORM INTERNATIONAL

# Sunday School Lesson

(By REV. P. B. FITZWATER, D. D., Teacher of English Bible in the Moody Bible Institute of Chicago.)  
(© 1923, Western Newspaper Union.)

### LESSON FOR OCTOBER 7

#### ABRAHAM, A BLESSING TO THE WORLD

LESSON TEXT—Gen. 12:1-3; 18:17-18; 22:15-18.

GOLDEN TEXT—"In Thee shall all families of the earth be blessed."—Gen. 12:3.

PRIMARY TOPIC—Being a Blessing to Others.

JUNIOR TOPIC—A Man Who Became a Blessing to the World.

INTERMEDIATE AND SENIOR TOPIC—Abraham, a Religious Pioneer.

YOUNG PEOPLE AND ADULT TOPIC—Abraham, a Religious Pioneer.

#### I. Abraham's Ancestors (Josh. 24:2, 14).

Abraham's people were idolaters. Very likely as a young man, he himself worshiped idols. Tradition furnishes us with some interesting stories touching his struggle against idolatry. At any rate, his experience was such as to well qualify him to be the head of a people whose God was the Lord. He knew how hopelessly disastrous idolatry was to the morals of the people, and, therefore, would be able to lead them back to God.

#### II. Abraham's Call (Gen. 12:1, cf. Acts 7:2-3).

God came to him in Ur of the Chaldees and said unto him:

1. "Get thee out of thy country." One is tied to his country with a strong bond. Abraham had lived long enough to have formed strong attachments to his country.

2. "Get thee out from thy kindred." Abraham was not only to leave behind him his native land, but his relatives as well, even his father's house. Since his kindred were idolaters, he must leave them. Abraham was to become a pilgrim, to be without a home. Even in Canaan, the only land he ever owned, was a burial place.

3. "Into the land that I will show thee." He was not told what or where the land was. He went out not knowing whither he went (Heb. 11:8). While he dwelt in tents during his earthly sojourn, yet "he looked for a city which hath foundations whose builder and maker is God" (Heb. 11:10). And thus he was a typical believer called out from his family and country, and renouncing idolatry, he walked by faith, testifying to his and succeeding generations to the faithfulness of God. It costs to obey God, but there is an abundant recompense.

#### III. God's Promise to Abraham (Gen. 12:2,3; 18:17-18).

1. The Father of a Great Posterity (v. 2). This has been literally fulfilled. He was not to go out primarily for what he could get, but for what he could do. The minister and missionary forget their own personal blessings in the supreme joy of their converts who are the fruits of their labor. No name in all history equals that of Abraham in its honorable influence. His is the name of honor among Jews, Mohammedans and Christians. They all acknowledge him as father.

2. A Blessing to Others (vv. 2, 3). He was not only to become great and to share God's blessings, but to be a blessing to others. He has become a blessing to countless multitudes. This is the prevailing law of the spiritual life—being blessed to be a blessing. Those who respond to this law become the very touchstone of God, so precious that God will bless them who bless them, and curse those who curse them. God makes common cause with His people. So vitally is He one with them that it is a serious thing to mistreat them. To mistreat God's children is to lift the hand against God. No one who goes against Him can prosper. Not only is this so with reference to wilful acts against His children, but neglect or refusal to do good to them. Christ regards all acts for or against them as for or against Him.

#### IV. God Testing Abraham (Gen. 22:2-18).

Abraham's faith was shown in that he obeyed the call of God and left his land and kindred, but his faith reached its highest point in offering Isaac. For many years, he had waited for the fulfillment of God's promise as to his heir. At last that promise was a reality. Abraham's hope was not the ordinary hope which fills the heart of every father, that his name and work may be perpetuated through his son. A new nation and the world's Savior were to spring up from Abraham through this son. Through this great ordeal, his faith responded enabling him to believe that God would give Isaac back from the dead (Heb. 11:17-19). God tries all His children. The more important, the more severe the trial.

#### Education.

The worst education that teaches self-denial is better than the best that teaches everything else and not that.—J. Sterling.

**All Make Mistakes.**  
The world could easily get along without the man who never makes a mistake.

**Warn Us From Vice.**  
All physical evils are so many beacon lights to warn us from vice.—Bowen.

# 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.

**STANDARD FOR 50 YEARS**  
**WINTERSMITH'S CHILL TONIC**  
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 Teethinga he got over it and next day was laughing and playing as if nothing had ever been the matter with him."

Teethinga 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.

Teethinga 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."

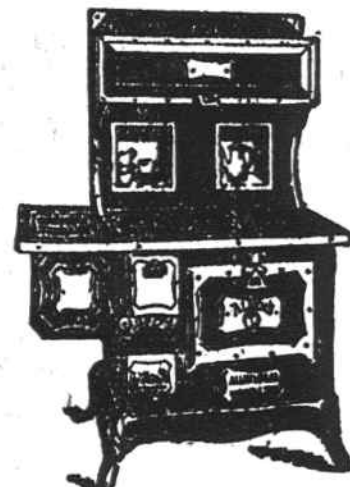
**The Bright Side.**  
"Any luck on your fishing trip this morning?"  
"No. Didn't get a bite."  
"That's too bad."  
"Not at all. It's just as well. If I'd caught enough fish for dinner the wife would have made me clean them and I hate that job."

A natural source of vitamins  
**Grape-Nuts**  
with milk or cream  
Contains every element for perfect nutrition  
— a complete food  
"There's a Reason"

Postum Cereal Company, Inc.  
Battle Creek, Michigan.

## ALLEN'S PRINCESS RANGES

COPPER IRON BEARING



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