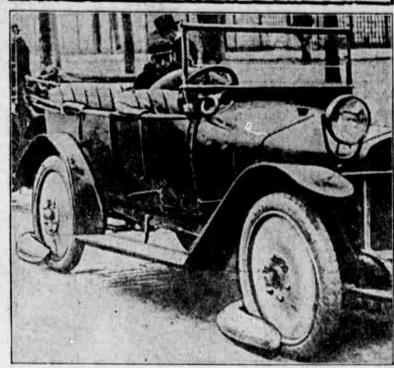
# SUGGESTIONS FOR OUR MOTORISTS



An anti-spiash guard for automobiles was successfully tested in Paris recently. The photograph shows the guards attached to the wheels of a car. They are designed to protect the public from a mud bath on rainy days.

from punctures-another good reason

for following this practice.

The logic of the advice given by the

money to the owner of the car.-By

Robert A. Chandler in Popular Sci-

USEFUL AUTOMOBILE SIGNAL

Chauffeur Enabled to Indicate to

Drivers in Rear His Intentions

as to Direction.

The Scientific American in illustrat-

ing and describing an automobile sig-

nal, the invention or S. Paintmaier of

The invention relates more particu-

0

larly to a signaling device which is

A View in Vertical Section Illustrating

the Device.

adapted to be secured to any conven-

ient part of an automobile and oper-

ated by the chauffeur to indicate to

other cars his intention as to the

manipulation of his car. An object is

to provide a device employing sema-

phore signals with means for operat-

ing from an inclosed casing to a hori-

zontally extended position and secure

AUTOMOBILE

The average motorist, it is estimat-

Practically two-thirds of the states

France has adopted the motorcycle

Three-quarters of all families in

the United States are financially in a

position to own and operate automo-

Commercial automobiles are dis-

placing the ox cart and the coolie in

transportation of products in British

Parking automobiles in the con-

gested business section of Chicago is

prohibited. The area covers a square

During the holiday season an emer-

gency post office in the form of a

motortruck was placed on the streets

of Washington, D. C., to cope with the

Because the loss ratio to premiums

is no less than 85 per cent, insurance

companies in the United States have

The Pennsylvania state National

Guard will have 500 motor vehicles for

various units of the division, tractors

and other vehicles for howitzers of

heavy artillery, bakery equipment, and

trucks for trains and other purposes

The latest development in the auto-

mobile industry is the railway motor-

car, designed to replace steam locomo-

tives on short-line railroads. The use

of the internal combustion engine is

said to do away with an average of

decided to combine in an effort

check the theft of automobiles.

mile of territory.

Christmas parcel-post work.

side car. The vehicle was introduced

by the American expeditional force.

have adopted the hyphenated numer-

als on motor license plates.

ed, spends more than \$10 daily while

the semaphores in such position.

Kews

traveling.

biles.

Malaysia.

ence Monthly.

Oxnard, Cal., says:

LEFT

# **REAR TIRE WILL** SHOW HARD WEAR

Severe Strain Can Be Reduced by Changing About From Time to Time.

# PUNCTURE TROUBLE IS LESS

Time, Labor and Money Can Be Saved to Owner of Car by Following Out Rotation System Which Has Been Well Tested.

If he will change tires around in the manner described below, a motorist can make them last far beyond the usual mileage. This is done by reducing the strain on the tires as they wear away so that the newest tire is placed at the point of greatest strain and the oldest one at the point where the

It is evident, even to a casual observer, that the rear tires wear out more rapidly than those of the front wheels. This is due to the strain of driving through the rear wheels, letting in the clutch, applying the brakes, use of chains, skidding and so on. Now comparing the right side of the car with the left, the tires on the right wheels will wear faster. The left wheels run along the smooth part of the road where the ridges and ruts are all beaten down by the traffic. But near the edge the road is rough, there are more ruts and small stones, and



Changing the Tires According to the System Here Explained Will Mean a Saving.

sometimes these wheels must leave the road altogether. There is more likelihood of meeting broken glass, metal, and other objects on this side. Then there is more weight on these wheels because the car is tipped more to that side on account of the crown of the road. Therefore it may be stated as a general principle that the rear tires wear more than the front ones and the right ones more than the left,

Starting with all new tires it will be evident that the right rear tire will show serious wear long before the left front tire has got over its newness. At this point the two should be exchanged. It is difficult to state just when this change should take place; possibly it is best left to the discre tion of a driver. If a "non-skid" is used, the change should be made before the tread is worn so smooth as to lose its protective feature. At the same time the other two tires should

be exchanged, to keep matters even, After a few thousand miles more we enter the second phase. One by one the tires will wear out and not even vulcanizing can save them. must then be moved up in the sequence shown. Supposing the left front tire is discarded, the right front tire takes its place; the left rear tire moves forward and the right rear tire takes its place. The spare tire is placed on the right rear wheel, the point of greatest strain.

Of course, if some tire is to be re moved temporarily for repairs, it will be replaced by the spare tire instead of moving the rest forward, and as soon as returned it is put back in its regular position.

By following the above system you will not only make your tires last longer, but you will have less trouble | three men to a train.

## **Better Roads**

## FILMS ON MAKING HIGHWAYS

Every Process Involved in Construction of Concrete Road Is Shown in "Movie" Pictures.

Many a woman more blessed with a sense of the ridiculous than she is with tact, has remarked to Friend Husband as he climbed from underneath the car stalled on a muddy country road after a struggle with re-



A Country Road Before and After Improvement

calcitrant machinery, "If only a movie photographer were around."

Her wish would have been gratified last summer in many places in Delaware and New Jersey, for movie operators from the United States Department of Agriculture were there filming good roads with the assistance of engineers from the bureau of public roads. The resulting picture, "Modern Concrete Road Construction," is now ready for lending to interested persons who make application for its use at "Good Roads" meetings, schools, colleges, and meetings of en-

Every process involved in the construction of a concrete road is shown in the film, from the heavy grading to the completed road. The picture opens with a view of an automobile stuck in the mud of an unimproved country road. After the spectator has been shown all the steps in the construction of a modern concrete road, the picture closes with a thrilling race beween a railroad train and a motortruck on a concrete highway-a feature calculated to show the possibilities of rapid transit of freight traffic on good roads, but not to encourage speeding.

### SNOW ON COUNTRY HIGHWAYS

Removal Problem of Greatest Impor tance Because of Greater Use of Motortrucks.

The snow removal problem is of increasing importance because of the greater use of autos and motortrucks which find it very difficult to travel through drifts and deep snow. In most states it is the duty of the county or local road officials to remove obstructions on the highways and snow drifts certainly are obstructions, says Farm and Home. Excellent advice on this matter is given by the lows highway commission as follows:

Just how much money can be used for this class of road maintenance is entirely up to the individual road official to decide. He must also decide whether it is necessary to keep the road open at all times for automobiles on only for team traffic. In deciding just what to do about snow removal. the character of the road and the nature and importance of the traffic to the general public must be a determining factor.

Road officials should not be stampeded in the case of heavy snows by insistent and angry demands that all roads be immediately opened for traffic. Sometimes an attempt to open all roads for immediate use by automobiles after exceptional snow storms, might cripple the county or township road funds for the entire year. It costs money and lots of it to remove snow, so the road official must use the best judgment as to just how far he can go, always keeping in mind, however, that no road should be allowed to remain entirely closed to traffic for any undue length of time

Should Build Stronger. Now that the motortruck has been developed it is nothing less than a crime for highway engineers to design and build and spend the state's money for anything other than a substantial road. Delaware, New Jersey. Pennsylvania, Connecticut and other progressive states are realizing this fact and are building more concrete

Bumps Injure Car. Your car will last longer if the imps in the road are eliminated

roads or roads with a concrete base.

# SCHOOL DAYS



## THE GIRL ON THE JOB

How to Succeed-How to Get Ahead-How to Make Good By JESSIE ROBERTS

#### Zamanianianianianianianianiani EMPHASIS ON HEALTH

Y OUR economic success is largely a matter of good health; this fact is being recognized today as it never was before. No one can do good work and be out of sorts. Any serious or prolonged illness is a drain on your earning power and an increase in your expense account.

"Keep Weil" is a slogan you might just as well adopt at once, and then live up to. For very largely it is in your own hauds whether or not you shall be in good health.

No woman should work at a job that is hurting her. No question of high salary will pay her for such recklessness. There are jobs a man can do with no harm, but not a woman. Let her leave such work alone.

There are rules of hygiene, as excellent as they are simple, which it is up to you to know and understand. You must be properly fed, properly ested, kept clean and unclogged. Don't fill yourself with patent medi-

cines. If you are ill see the best doctor you can get and do what he tells ou. If you have any reason to fear that you are not in good condition go to a reputable man or to a hospital for a complete physical examination. Don't put this off because you are busy or fear the expense.

Put your emphasis on health. Don't ool with a good constitution simply secause you are blessed with one. your work is trying, treat yourself during your rest time with consideration, give the machine a chance to reuperate, or change your job.

(Copyright.)

# THE WOODS

BY DOUGLAS MALLOCH

### MARCH.

N what a travall is our Springtime born !-'Mid leaden skies and garmenture

Wild waves of cloud the drifting stars consume. And shipless sens of heaven greet the

of gloom.

morn.

The forest trees stand sad and tempest-torn.

Memorials of Summer's ended bloom;

for unto March, the sister most foriorn. No roses come her pathway to

fllume. Yet 'tis the month the Winter north-

ward flies With one last trumpeting of savage might.

Now stirs the earth of green that underlies

This other earth enwrapped in garb of white.

and while poor March, grown weary, droops and dies

The little Springtime opens wide its eyes.

(Copyright.)

# THE CHEERFUL CHERUB

I sat down once to write a verse-A feeling came too strong for me My little soul went souring far, A leaf wind-swept by poetry.

### Something to Think About THE JOB AND THE MAN By F. A. Walker

N ALL history, sacred and profane, there is no more interesting figure than that of King Solomon. Wise beyoud the other rulers of his time, his reputation stretches over from the days of the Old Testament into the records inscribed by the writers of the Christian era and he stands as the type of magnificence and wisdom.

You will find much to interest you in reading the story of Bethsheba, the mother of Solomon. Many a modern "best seller" has filled in that ancient story with modern characters. You be interested in how Solomon came to be king and what he did after his rule began. You will be interested in the fact that although he was a wise man he had his weaknesses and dled at the age of sixty from a worn-

The most interesting event in Solomon's life is recorded in I Kings, third chapter, beginning with the fifth verse. Somewhat condensed it reads as follows:

as follows:

'In Gibeon the Lord appeared to Solomon ... and God said, ask what I shall give thee. And Solomon said ... Thou hast made Thy Servant king instead of David my father, and I am but a little child. I know not how to go out or come in ... ... Give therefore Thy servant an understanding heart to judge Thy people, that I may discern between good and bad, for who is able to judge this Thy so great a people? ... And God said unto him, because thou hast asked this toing, and hast not asked for thyself long life, neither hast asked riches for thyself long life, neither hast asked riches for thyself, nor hast asked the life of thine enemies: ... Behold I have given thee a wise and understanding heart ... and I have also given thee that which thou hast not asked, both riches, and honor, so that there shall not be any ... like unto thee.

The grent trouble with the most of

The great trouble with the most of us is that we lack an understanding heart. Parents do not have an under standing heart in the consideration of their children and children lack it regarding their parents.

If our public officials could have an understanding heart when they consider the problems of the people how much more wisely they would govern.

If the heads of nations could have understanding hearts how completely the faculty would take the places of armies and battlefields, bloodshed and destruction, in the solution of the world's problems. We should all cultivate a viewpoint

outside ourselves.

Selfishness, envy and covetousness are responsible for more evil than all the other human characteristics.

The golden rule has in all ages been the basis of religion. Confucius wrote it down before the Christian era began. Mahommed made I, a part of his creed, and as far back as there is a trace of any code for human conduct "Do unto others as you would be done by" has been a foundation stone,

It is the understanding heart that establishes the basis for that reciprocity of action. It is the understanding heart that tells us when we have put our neighbor on an equality with ourselves and made due allowance for whatever difference there may be in wealth, in position, in intelligence and in opportunity.

We pray for a good many things we do not need. We seek for what we think would be blessings, not knowing that we are better off without them. How few of us have and how many fewer of us seek to have, that broad view of life, that generous attitude of mind, that charity of vision and liberality of thought which constitute the thing which Solomon asked above all other things and which choice received so thorong commendation.

It is a short prayer, easily learned and quickly said: "Give me, O Lord, an understanding heart," (Copyright.)

In North Australia there are certain cannibal tribes who make a practice half slain friends, but not

# Mother's Cook Book

The longer on this earth we live
And weigh the various qualities of men,
The more we feel the high, stern-featured
beauty
Of plain devotedness to duty.
Steadfast and still, nor paid with mortal

praise,
But finding amplest recompense
For life's ungarlanded expense
n work done squarely and unwasted days.

-James Russell Lowell.

# GOOD THINGS FOR ALL THE FAMILY.

O NE of the first essentials to a good ment is good bread of some kind. The following recipe will be found all right:

#### White Oatmeal Bread.

Pour two cupfuls of scalded milk over one cupful of rolled onts. Milk and water may be used if all milk is not economy; add a reaspoonful of salt, a tablespoonful of shortening and when lukewarm add one-third or more of a compressed yeast cake, softened with baif a cupful of water. Add wheat flour to make a dough to knead and knead from five to ten minutes. Return to the mixing bowl, cover and let rise until double its bulk. Shape for two-pound loaf bread pans. When light, bake one hour. This recipe requires about five cupfuls of

#### Lemon Honey Cakes.

Heat one cupful of honey to the bolling point; add two and one-half tablespoonfuls of shortening and let When cold stir in one and onethird cupfuls of flour and set aside over night. When ready to bake add the grated rind of a lemon, one and one-half tablespoonfuls of lemon juice, one-third of a cupful of finely chopped bianched almonds, one-third of a tea-spoonful of soda dissolved in one tablespoonful of water. Beat all together thoroughly. Bake in small round cup cake pans for 20 minutes.

Molded Rice Pudding.

Cock one-half cupful of rice in one cupful of boiling water, to which half teaspoonful of salt has been added. When the water is absorbed add one cupful of milk and one-half cupful of raisins, one-quarter of a cupful of sugar, and cook until the rice is tender, adding more milk if needed. Fold in the beaten white of an egg and turn into a mold. Serve cold with a sauce made from one pint of milk, one teaspoonful of cornstarch, one-third of a cupful of sugar, half a tenspoonful of salt and the beaten yolk of an egg; cook the cornstarch in the milk 15 minutes before adding the egg yolk. Use the sauce when cold. Garnish with a few raisins cooked until plump in bolling water. Flavor with vanilla,

A chocolate sauce is liked by some for a rice pudding and may be served either hot or cold.



# THE ROMANCE OF WORDS

"CAUCUS."

T HIS thoroughly American word, meaning a secret conference or meeting of the leaders of a political party, is frequently encountered in reports of the activities of congress or in connection with the work carried on during the time which immediately precedes presidential elections. Moreover, "caucus" owes its origin to one of the earliest of American politicians, Henry Adams, who was very prominent in colonial political circles during the early part of the Eighteenth century.

Being desirous of controlling certain offices and of securing the appointment of men who were friendly to his interests, Adams organized a club composed for the most part of sea captains, shipwrights and other persons connected with mercantile interests. Partly to concent the real nature of the club and partly because of the nautical atmosphere which surrounded it, the organization was known as the "Caulkers' club." Before long, rumors of its activities began to seep out and, when favorable appointments were named, people commenced to say, "That was settled by the Caulkers." As time passed the name of the club took on a more phonetic spelling and the new word, "caucus" was coined. (Copyright.)



HAD NOTHING ON HIM The Professor: The Vestal Vir-

stantly.

The Sophomore: That's nothing.

They had a lot of 'em on the job.

Last winter I kept eight furnace
fires goin' all by myself and not one
of 'em went out on mc-