

### Years of suffering

**Catarah and Blood Disease - Doctors Failed to Cure.**  
Miss Mabel, 1214 Lafayette St., Port Wayne, Ind., writes: "For three years I was troubled with catarah and blood disease. I tried several doctors and a dozen different remedies, but none of them did me any good. A friend told me of Hood's Sarsaparilla. I took two bottles of this medicine and was as well and strong as ever. I feel like a different person and recommend Hood's to any one suffering from catarah."  
Get it today in usual liquid form or associated tablets called **Sarsaparils**.

**HOWARD E. BURTON** - Analyst and Chemist, 1214 Lafayette St., Port Wayne, Ind. Also at 1214 Lafayette St., Port Wayne, Ind. Also at 1214 Lafayette St., Port Wayne, Ind. Also at 1214 Lafayette St., Port Wayne, Ind.

**RUBBER STAMPS** - Signs, Stencils and Brass and Ribbon Ribbons. Good Goods, Quick Service. Send for complete Catalogue. 101 S. Asme Bldg. Phone, 1018 A. St. Tacoma, Wash.

**ASTHMA CAN BE CURED**  
Instant relief. Try our great Asthma Remedy. Send for FREE FIRST TREATMENT.  
Henri Miller Remedy Co., 721 S. E. 8th, Astoria, Ore.

**Machinery**  
Second-Hand Machinery bought, sold and exchanged. Sewing, Milling, etc. The J. E. Martin Co., 76 1/2 St., Portland. Send for Stock List and prices.

**Automobile Business Taught**  
In six weeks. \$25 to \$50 per week earned by competent men. ANGLES AUTO ACADEMY, 269 Union Ave., Portland, Ore.

**Wanted--Men and Women**  
To learn barber trade. Tools free. Wages while learning. Positions guaranteed. International Barber School, 429 E. 6th St., Los Angeles, Cal.

**BOYNTON FURNACES**  
Most economical and effective for house and industrial heating.  
J. C. BAYER FURNACE CO., Portland, Or. SEND FOR CATALOGUE.

**RAW FURS**  
We positively pay the highest market prices for all kinds of furs. We are manufacturers and therefore can pay more than dealers. Send for free price list and shipping terms and get full value for your skins. S. H. Taylor, 2025 7th St., Portland, Ore.

**LEARN THE BARBER TRADE**  
It's Easy! Positions waiting for Men and Women.  
The Old Master shop supplies the student with the best tools. Good wages while learning. Book for home study, \$1.25. Largest school in the West. NATIONAL BARBER COLLEGE, 1214 Lafayette St., Seattle, Wash.

**HORSES DECREASING IN PARIS.**  
The number of horses in Paris steadily decreases under motor competition, and the horses that remain have to thank the automobile as well as the efforts of various societies for the better treatment they receive, for to survive in these days they must be fit. The army authorities take a census of the number of horses, and the figures for 1911 show 72,488 in Paris, compared with 96,938 in 1901. This means that the number of horses has decreased 24,210 in ten years, or almost exactly a quarter. The military authorities are somewhat perturbed over this fact. It is true that for transport of war material and provisions automobile traction saves the use of many horses, but there remain the needs of the cavalry and artillery. The old standby for trained horses, the omnibus companies, will soon be of no assistance, for automobiles are rapidly supplanting horse-drawn stages.

**Wonderful Muscles.**  
Sir Frederick Bridge, the famous organist of Westminster abbey, tells a story of two ladies who were in the abbey just before the coronation. A vacuum cleaner was at work, making a great buzzing. One lady said to the other: "There's the organ; is it not splendid?" It's Sir Frederick. The other lady said: "So it is; I thought it was Sir Walter, but he can't play like that."—The Bits.

**A Crop Bulletin.**  
Five-year-old Ella had been enthusiastically engaged in garden work all the spring. She was especially interested in planting seed and watched anxiously for sprouts to appear above the ground.

One day, while visiting a neighbor who possessed a six-month-old baby, Ella was delighted to see two tiny front teeth displayed when the baby smiled.

"Oh, Mrs. May," the little girl cried, excitedly, "the baby's teeth have come out!"—Youth's Companion.

**Just the Same.**  
"The first thing I do every morning is to tell my wife that she looks younger and more beautiful every day."  
"Doesn't she ever suspect that you are lying?"  
"Oh, yes, she knows it; but it keeps her from starting in to find fault with me, just the same."

**Keeley ALCOHOL CURE**  
OPIMUM—TOBACCO  
Keeley's Alcohol Cure is the only medicine that cures opium and tobacco addiction. It is a scientific preparation of pure alcohol and other ingredients. It is sold by all druggists. Write for literature. KEELY INSTITUTION, 71 E. 11th St., Portland, Oregon.

**OUT OF TOWN PEOPLE**  
can receive prompt treatment of all ailments. Health-building remedies.

**C. GEE WO**  
the Chinese doctor.  
Try once more if you have been doctoring with this one and that one and have not obtained permanent relief. Let this great nature healer diagnose your case and prescribe more remedy than any other. He has cured thousands of cases of all ailments. He is located at 1214 Lafayette St., Portland, Oregon.

**CONSULTATION FREE.**  
If you live out of town and cannot call, write for program blank and circular, enclosing 1 cent in postage.

**THE C. GEE WO CHINESE MEDICINE CO.**  
1623 First St., Cor. Morrison  
Portland, Oregon.

### PUTTING HER LOVER TO TEST

**Young Woman Arranges With Pretty Girl to Try Out Her Sweetheart With Startling Results.**  
Lincoln Beachey, after a flight in his biplane, was congratulated on his daring by a reporter.  
"But I wasn't daring," the aviator said. "I put my machine only to such ordeals as I knew it could withstand. In flying, as in love, we must run no risks."  
He laughed softly.  
"I know," he said, "a young woman about to wed who decided at the last moment to test her sweetheart, and assumed the part of a reporter. So, selecting the prettiest girl she knew, she said to her, though she knew it was a great risk:  
"I'll arrange for Jack to take you out tonight—a walk on the beach in the moonlight, a lobster supper, and all that sort of thing—and I want you, in order to put his fidelity to the proof, to ask him for a kiss."  
"The other girl laughed, blushed and assented. The dangerous plot was carried out. Then, the next day, the girl in love visited the pretty one and said, anxiously:  
"Well, did you ask him?"  
"No, dear."  
"No? Why not?"  
"I didn't get a chance. He asked me first!"

**BLUE CLEAR THROUGH.**  
The one, reliable, satisfactory and economical bluing for laundry use is RED CROSS BALL BLUE—the blue that is all blue. Makes clothes white and clear. Dissolves instantly and always ready for use.  
You will never use liquid blue again after once trying RED CROSS BALL BLUE. Price 10 cents. ALL GROCERS.

**Fortune in Stamp Collection.**  
A lady living in Sydney for many years has hoarded a collection of postal stamps left by her father, who had pursued his hobby of collecting for 50 years. The daughter was ignorant of any knowledge of philately and threw the stamps into an old trunk. Last week she visited a stamp exhibition, and for the first time awoke to the value of the stamps in her possession. She secured the assistance of experts, who estimate the value of the collection at \$100,000.

**The Pure Food Law stopped the sale** of hundreds of fraudulent medicines. The would-be stand investigation. Hamlin Wizard Oil has stood the test of investigation for nearly sixty years.

**Why the Water Worried.**  
With a smile on his rubicund face, the hotel manager was enjoying forty winks. Trade was booming. The place was full. Good!  
Knocks on the door of his sanctum recalled him to earth. In staggered a perspiring waiter.  
"P-p-p-lease, sir," he stammered. "I'm in a terrible fix. A gent has just ordered roast mutton!"  
"Well, what of it?" snapped the manager. "There's plenty of it, isn't there?"  
"Y-yes, sir," breathed the distracted knight of the napkin, "but he's already had one portion for ventison!"—Answers.

**TO CURE A COLD IN ONE DAY**  
Take LAXATIVE BROMO Quinine Tablets. Druggists refund money if it fails to cure. E. W. GROVES' signature on each box. 25c.

**A Bracer.**  
"Here," she said, offering him a brownish concoction in a medicine glass, after he had called the sixth time, "drink this."  
"What is it?" he asked.  
"Medicine."  
"But why should I take medicine?"  
"You seem so cold. This is good for the circulation."

**If you use Eye Salve use the best.** PETTIT'S EYE SALVE is the standard, is reliable and costs no more than inferior goods that are unknown. Used by Physicians and Quacks, helps where all others fail. It is not the TUBE or BOX that cures, it is the SALVE that does the work. Guaranteed by Howard Bros. under the Government Food and Drugs Act. Don't be deceived or misled. The only really antiseptic Eye Salve that has been in the market for years. Sold by Druggists throughout the known world.

**MEXICAN MUSTANG LINIMENT**  
For SORE THROAT.  
It penetrates quickly, removes all inflammation and reduces the swelling of the glands. To obtain best results saturate a linen bandage and bind about the throat a few hours or overnight, repeating next day if a severe case.  
25c. 50c. \$1 a bottle at Drug & Gen'l Stores

**WISDOM'S ROBERTINE**  
GIVES TO ANY "BELLE"  
The word "yeggman" is said to have originated from the criminal exploits of John Yegg, who, according to criminal tradition, was a Swedish desperado who operated in the Pacific coast states in the late seventies.

**Life's Irony.**  
The tragedy of life was played again when Bernard Goenewich, a young Russian inventor, was killed by the poisonous fumes of a secret process of staining glass that was to make him millions.

**Eccentric Will.**  
By the will of a French lady who died recently a farm was left to the town on condition her family vault was kept in repair; while the rest of her estate was to be divided among those attending her funeral.

**Peculiar Appeal.**  
There is a peculiar loveliness in the cheerfulness of sick people. It is unexpected, like the bit of green in the desert, it glimmers in contrast. It is the flower of the spirit produced in a wilderness.—J. Edward Harlow.

## FARM AND ORCHARD

Notes and Instructions from Agricultural Colleges and Experiment Stations of Oregon and Washington, Specially Suitable to Pacific Coast Conditions

### HIGHWAY DRAINAGE.

(By E. F. Ayres, Highway Engineer, Oregon Agricultural College.)  
Oregon Agricultural College, Corvallis.—It has been said that one of the saddest sights in Nature is afforded by the man who gets "stalled" in a mudhole with his load of produce, and wears out his whip, his temper, his vocabulary, his religion and his team in a vain attempt to get to market. And yet this same gentleman will probably oppose any suggestion that the road should be improved on the plea that the cost would be excessive. Overzealous friends sustain local Roads men as they are largely responsible for the idea that no road can be called improved without the use of some expensive surfacing, and this conception must be corrected before Oregon will fix her roads sufficiently to sustain the traffic. As long as the drainage is confined to those who openly oppose any attempt to better our primary transportation system, very little harm is done, but when it is found to be the accepted faith of many road supervisors, it assumes serious proportions. In the construction of the most expensive pavement, not one ounce of road metal can be spread until proper drainage has been provided, or in other words, until a first class earth road has been built to sustain the surfacing. If this work is essential a few days before the stone is applied, why not try it a few years ahead and save time and money when the increased traffic warrants the larger expenditure. Many of our country roads will need no surfacing for many years if they are given a little attention now.

There are three rules which must be remembered in the building of any road, from the mountain trail to the city street. 1st, get the water off the road; 2nd, get the water out from under the road; 3rd, get the water away from the road. If these rules are followed you will have a pretty fair road in any country, unless you happen to be building through a sandy country, in which case all rules should be reversed.

To get the water off the road, it is simply a matter of keeping the rate well filled, and provide sufficient crown to carry the water to the side ditches. In the heavier soils of the Willamette Valley a crown of 1 inch to 1 1/2 inches to the foot will be ample. On very wide roads this can be reduced slightly, but it is rarely necessary to build a road over 30 feet wide between ditch lines. On narrow roads, such as are sometimes unavoidable in the mountains, the distance from top of crown to bottom of ditch should be at least 12 inches.

The crown of the road must be increased in this case, the extra depth being furnished at the ditch line.

Everyone knows that the grade of a hill limits the load which can be hauled over it, but few realize the effect these excessive grades have on maintenance and drainage. All grades over 5 per cent should be reduced if possible, for on steeper slopes the water will be very apt to cut its own channel in the center of the traveled way instead of going to the ditches. If the crown is increased to a point where the water will shed quickly, the road is dangerous for traffic. The road will not rut badly, but the top layer of earth will be very slippery, and a large crown will be likely to slide wagons into the ditch. The old road builders took care of the problem by building "thank-you-mamas, or water breaks, and while these had their use at one time, they should no longer be tolerated in a civilized community. If the same energy expended in the construction of these abominations is used in reducing grades and crowning the road, there will be no further use for their existence.

Not only must the steep grade be avoided in highway construction, but care must be taken that the road is not too level. Water when it has a slope of at least 1/4 inch in 100 feet to flow freely in the ditches, and no road should be built with less grade, but in such cases the ditch must be given the minimum slope, and the water taken away at frequent intervals. The road builders in this respect the road builder in a sandy country has the advantage, for he is never troubled with either springs or seepage. The heavier soils will develop soft spots and holes which seem to be bottomless, even after the surface has been thoroughly drained. The road drag falls to remedy conditions, and all gravel, stone, brush or other material dumped in the holes is soon lost.

It is very probable that this difficulty is caused by the underground spring, and the first problem is to locate its source, remembering that this is rarely found at the spot where the trouble develops. When it has been found, excavate a trench about 8 inches wide and three feet deep to some convenient outlet, lay a 4-inch

pipe in the bottom and backfill. The ordinary farm tile is the most satisfactory for this class of work, but care must be taken to prevent dirt from filling the pipe when backfilling.

In both sidehill work and in heavy cuts, soft spots are developed by water seeping under the road. In sidehills, the best remedy is to lay a 4-inch pipe in the same manner as specified for springs, placing the pipe at the same depth at the inner edge of the ditch. Through heavy cuts where the water seeps under from both sides, the tile may be laid in the middle of the road, taking care that it lays well below the ditch line. In this case it is well to use a somewhat larger tile, 6 inches being the size commonly specified. The drains must be carried to some convenient outlet, and in no case should the water be carried over 1000 feet.

It is not enough to get the water off the road, it must be taken away from the ditches or a large part of it will soak back under the traveled way. Culverts or outlet ditches must be provided dry or in mortar. All but one of these have their advantages, the exception noted being the wooden box.

The timber box has but one thing to recommend it, its first cost, and when the repairs and renewals for a few years are added, it is found to be a very expensive luxury. It has the facility of rotting and giving no sign until some horse sticks his foot through the weak place, and the first intimation the authorities have that there is anything wrong is when the indignant owner comes down on them for damages. He usually gets what he asks, a sum which would build many permanent culverts in the first place. Nobody likes the wooden box, but it is still used on account of the penny wise policy of those responsible for the appropriations.

Where good stone is abundant, the masonry culvert is probably the best to build and the cheapest to maintain, but in less fortunate districts a choice must be made between the other materials. So many items can be reduced slightly but it is rarely possible to recommend any one method or material without being familiar with local conditions. The main consideration is to put in enough culverts, and have them of ample size.

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### MOTHER'S TROUBLES.



Mother busy washing, rubbing white soap, Sun a-shining brightly, to dry the pitty things. Dolly in her 'tittle bed, with not a dress to wear, Ticking up an awful fuss just because she's dere.

Petticoats and nighties, hanging on the line, Dresses, taps and aprons, dainty, sheer and fine. Dolly in an awful stew, tause she tant go out, O, the troubles Mudders have when naughty children pout!

—R. Hammond M. Pent in Philadelphia Record.

**DOMINOES TO TELL FORTUNES**  
Answers May Be Regulated According to Pieces Turned Up—Much Amusement Can Be Derived.

Have you a game of dominoes? If so, you can have lots of fun when your friends come to see you. Shuffle the dominoes well and lay them face down on a smooth table. Tell your friends

to turn the dominoes and the following are what the points denote. Double-six denotes receipt of money; will be very rich. Six-five denotes success and pleasure. Six-four early marriage; happiness. Six-three affection, constancy. Six-two industrious, economical. Six-one twice married. Six-blank sorrow, trouble. Five-double very lucky. Five-four will marry poor. Five-three eventual wealth. Five-two love. Five-one engagement; invitations. If you know these, you can regulate your answers accordingly; no matter what points turn up, and much fun can be had.

**MAKING HAND SLED OF PIPE**  
Can Be Constructed in Few Hours and When Complete Is Much Better Than Wooden Article.

The accompanying sketch shows how an ordinary hand sled can be made of three-quarter-inch pipe and fittings. Each runner is made of one piece of pipe bent to the proper shape. This can be accomplished by filling the pipe with melted rosin or lead, then

bending in the shape desired, and afterward removing the rosin or lead by heat. Each joint is turned up tightly and well pinned or brazed. One of the top crosspieces will need to have right-hand and left-hand threads or to be fitted with a union. Also, one of the top pieces connecting the rear part to the front part of each runner must be fitted in the same way. The top is fastened to the two crosspieces.

Such a hand sled can be made in a few hours' time and when complete is much better than a wood sled.

**NEW GUESSING GAME AMUSES**  
Pastime of "Cities" Will Be Found Both Instructive and Interesting for the Children.

What boy or girl knows how to play the game of "Cities"? This is how you commence: "I ask the question: 'What city in the United States am I thinking of?'"

You reply by naming some city you think I have in mind. For instance: Supposing I am thinking of San Francisco, I say to you: 'What city in the United States am I thinking of?'"

No, I reply; Boston is too far north-east. Then you try again, this time naming a place farther west and south of Boston; say, Philadelphia.

I tell you that Philadelphia is still too far east. Thus you continue, naming the cities further west until you say San Francisco, when it will be your turn to think up a city or until you "give it up," when it will be my turn to choose another one.

If you can keep before your mind's eye a picture of the United States, with the position of the many colors representing the states, you will find it an immense service in locating the direction of the various cities.

No One Else to Do It. "And now," said the teacher of the juvenile Sunday school class, "why did God create this beautiful world?" "I don't know," replied a bright little fellow, "unless there was no one else who could do it."

### The BRIGHTEST and BEST LIGHTING SYSTEM

FOR CHURCHES, HOUSES, BARN, ETC.  
ACETYLENE LIGHTING SYSTEMS are endorsed and extensively used by the Government. They are simple in construction and economical to operate, giving a bright, white light. Extensively used by ranchers in the Northwest. 100 plants now in operation. Send us your name and address for descriptive booklet and names of satisfied customers.  
P. A. BRYANT, Portland, Ore.  
189 Madison St.



**COLT DISTEMPER**  
Can be handled very easily. The color is permanent, and all colors are washable, no matter how corrected. Keeps from having the disease, by using SPOHN'S LIQUID DISTEMPER GUM. Give on the corners of the house. Acts on the blood and cures all forms of distemper. Best remedy ever known for more in fact, the bottles guaranteed to cure one case. One and a half bottles will cure 100 cases. Druggists and hardware dealers, or sent express paid by manufacturer. Cut down how to gouge throats. Our Free Booklet gives everything. Local agents wanted. Largest selling house remedy in existence—twenty years.

**SPohn MEDICAL CO.** Chemists and Bacteriologists, GOSHEN, IND., U. S. A.

**MODERN PROPOSITION.**  
"To Admire and Remember. I would then have our ordinary dwelling houses built to last and built to be lovely, as rich and full of pleasantness as may be within and without. . . with such differences as might suit and express each man's character and partly his history."—Ruskin's Seven Lamps of Architecture.



She—I am afraid you can't support me in the way I have been accustomed to. He—Why—er—er—how much money have you been getting.

**TRY MURINE EYE REMEDY**  
for Red, Weak, Watery, Watery Eyes and Granulated Eyelids. Murine Doesn't Smart—Soothes Eye Pain. Druggists Sell Murine Eye Remedy, Liquid, 25c, 50c, \$1.00. Murine Eye Salve, 1c. Asseptic Tubes, 25c, \$1.00. Eye Books and Eye Advice Free by Mail. Murine Eye Remedy Co., Chicago.

**BIRTHPLACES OF FRUITS.**  
The raspberry is native to temperate Europe and America and certain parts of Asia. The apricot originated in China. The peach, too, was originally a Chinese fruit. The cherry birthplace was near the Caspian Sea, and the plum comes from the Caucasus and Turkey. The pear is native in temperate Europe and Western Asia. The quince came from Southeastern Europe, the Caucasus and the Caspian region. The apple is native all over Europe, in the Caucasus, round the Black Sea and in Persia. The fig seems to have originated in the lands bordering on the Mediterranean, particularly in Syria. The red current grows wild all over Europe, in the Caucasus, the Himalayas, Manchuria, Japan and Arctic America. The sweet orange originated in Southern China and Cochinchina and the citron in India.

**To Break in New Shoes.**  
Always shake in Allen's Foot-Ease, a powder. It cures hot, sweating, itching, swollen feet, Cures corns, ingrowing nails and bunions. All druggists and shoe stores, etc. Don't accept any substitute. Sample mailed FREE. Address Allen S. Umsted, Le Roy, N. Y.

**Now You Know.**  
Once, after exposing the ridiculous blunders of the editor of certain old plays, James Russell Lowell concluded with the remark, "In point of fact, we must apply to this gentleman the name of the first King of Sparta." No one remembered, of course, what this was, but when they looked it up they found it was Eudamidas.

**Women Win Rich Prizes.**  
Twelve first-class prizes for excellence in the mediaeval and modern languages at Cambridge university, England, have been awarded this year to women. Prizes of the same class and for the same subjects were given to only eight men.

**Retail Market Disturbed.**  
English growers are finding it more profitable to send their lavender to market in bunches, instead of selling to perfume makers, the result being a surprising rise in the price of oil of lavender.

**Fig—As a talker, Brown's wife is certainly a wonder.** "Fog"—"Right you are! Wonders never cease."—Boston Transcript.

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