

"For mothers and prospective mothers the greatest help can be found in Dr. Pierce's Favorite Pre-scription and Golden Medical Dissaid Mrs. Anna Smith of 2288-8th Ave., Sacramento, Calif, whose picture appears here. "I have used both during expectancy and alterward and know from my own experience their strength-giving and nerve-quieting effect on the prospec-tive mother. Nature is wonderfully helped and the tonic effect is seen in the child. I was able to continue my work thru expectancy in comfort. I am glad to be able to recommend such a splendid reliable help to wo-

Obtain these famous medicines of Dr. Pierce's now, in tablets or li-quid, from your druggist. Write Dr. Pierce, President Invalids' Hotel in Buffalo, N. Y., for free medical advice.

### Natural Pipe Line.

While some workmen in Bath, Maine, were quarrying stone they uncovered at a depth of about twenty and he has gone to her. It is always feet a water conduit about three feet so, subib. wide and two feet high. The conduit eyes will find them if they sit on the was in a solid ledge and it is of uni- rim of the earth, and when they see form diameter its full length, 200 feet, her in their dreams they go back." The four sides are deeply corrugated. Galt banged his glass upon the censhowed that at some time water ran tury-old table, and when Bhatto Ghan through it at great pressure. It is had delivered the drink's, a silence one of the few of nature's pipe lines that have been exposed .- Scientific American,

## Poetical Burmese Belief.

This is a belief of people of Burma. favorable moments when the air was the voice of the trail clear. It was the voice of the trail that called me day an hight for two Dorothy Dix says that the Burmese clear. believe that the soul, in the form of a butterfly, leaves the body while we sleep. They will never waken a sleephabitation, the soul having gone wan- Irishman had shipped as a stoker on | Galt was tellin' you about; secondly, dering during the person's sleep.

#### Trustful Doris.

sleep, but the poor absent-minded fel- ing accommodation. low nearly always calls me by the Presently Meehlin shifted his long afraid that I might kill him or that wrong name."

### Talkers' Word Records.

A rapid and experienced talker making a speech on a subject which he fully understands will speak at a rate of about 8,000 words an hour,





through the dirty window of ever, the voice told me to forget all Bhatto Ghan's river alley restaurant that, an' I tried to. When I announced at Singapore. "It comes to every one myself that evening he pumped my of us drifters, and when the voice is right hand up an' down like a feller strong enough we strike the home that's tryin' to restore breathin' in trall.

"Ay, ay," murmured Maloney, a lit- it agreea' e, an' you could hear the ile red-headed Irishman, who acted as swish of the wings of peace when I agent for a Jew firm at Calcutta. "It's was telling about me wanderings. "Next day that little knock-kneed right you are, Sandy.

"There is no such person as a cospopolitan," growled the big Scotch- give him a hand in poleaxing a steer, man. "I thought I met one once when we were jerking a trestle bridge over to show him I hadn't forgotten the a stream up at Simia, but he was a game. I was three parts through with fraud. He left us one night, and when the job when the door of the shed I went round to his bungalow in the opened and a mounted trooper covered morning I found a little scrap of pa- me with his popgun. The voice wasn't per stuck in the thatch. It just read: doing much calling at that minute. You Gone home to England.' Yes, by the see, stepdad hadn't a calf of his own ax of Bruce, that was all-not and to kill in honor of my return, so he other word. And that sun-tanked had grabbed one of the nearest squatdevil had been telling me month after I month that he had neither home nor country."

"Ay, ay," chanted Maloney, "I've said the same, bad luck to me."

"I cursed him over-right, the Lascar Carty. serang," continued Galt, "but that old monkey-faced nigger told me to stop. 'His mother looked at him last night. said he. 'His mother is in England, d-a his brown hide,' I growled. 'It

doesn't matter,' squeaked that old bag of bones, 'his mother has been seeking him for years, and last night she me, Jimmy,' he kept saying, over an' looked into his eyes as he slumbered. over again. "They only caught you. Jimmy." Some day the mother's us going in? Who'll look after your mother sheep? Who'll keep yer little brother at school, Jimmy?' It wasn't the volce that pulled me aboard the steamer Walrapa that I heard that night. He

got me that mad that I poked my fell upon the group. The hot sun turned the street puddles into vapor the ball of the street puddles into the street puddles into the ball of the ball of the street ball the street at the street ball the st through the hole, an' I got a little masses that floated upwards, thick peace after that. and stifling, and the voices from the "Well, that jury believed McCarty. cafe chantant came through in inter-They sent that old scoundrel back mittent blasts as if they had seized

There were five in the party, and no years while I lay in Dubbo jail, an' man was within three thousand miles when I used to look at the guards on of his birthplace. It was Maloney's re- the wall I swore I'd never imitate the er for fear his butterfly may not be Cork that had caused the Scotchman three kinds of voices I heard. First, cital of an attempt he made to reach prodigal son again. Those were the able to get back quickly enough to its to make his observations. The little the voice that calls you home-the one

a big P, & O, boat at Melbourne, but the voice of that old calf-stealing cuss the red mouths in the bowels of the in Bourke lock-up; and thirdly, the ship had eaten up his home-longing bevoice of the trall." fore he reached Colombo, There, Ma- | Maloney broke the silence. "Did "Your husband is wild about you, isn't he?" asked Phyllis. "Yes," re-ure of revisiting Queenstown till his "Did I?" cried Meehin, the arm plied Doris; "he raves about me in his pocket could pay for superior travel- muscles hunching under the sleeves of his cont. "No. I was afraid. I was

legs and knocked the ashes from his he might kill another calf. One of

perin' stronger. 'Jimmy,' it said, 'you

haven't seen yer old mother for seven

like he did before, don't take no no

tice of him.' That was the tune it

sang to me. Oh, yes, Galt is Johnny-

on-the-spot when he gives lingo about

hese during explorers.

feet and weighed only 45 pounds.

could support two fully equipped size.

pipe. the two things might have happened "That's right about the voice," he an' I would have got the worst of the said, with the air of a man who knows deal. I'm off calves an' stepfathers that his assertion is incontrovertible. for all time."

"I know all about the voice. I struck He stood up, stretched his great Weilington, New Zealand, In 1900; frame, and walked down to the water rode down on a leaking wind-jammer from Wancouver, and the voice found in the yellow waters, their masts, like faced roads may seem more expensive with the water will constitute a day's ing in the last century. was on the quay gigunti Those who speak in public are bet. One of the New Zealand Steamship home folk to whom the trail had never selves. This has been well illustrated is about 300 pounds; if less is fed the



# IN CURING ROADS

While as little water as possible should be used for the mix in highway construction, it is essential that a suf- dairy cow is the most economical proficient quantity be used for curing. ucer of human food of all the different An important item therefore in the classes of live stock, is a fact, it does construction of good quality pavements not hold true for each individual cow is water in quantities to meet the The one most important factor in profneeds of the contractor. That this itable milk or cream production is the supply may always be available. It is ability of the individual cow. It does advisable for the inspector to satisfy not matter what breed you own a some guy who has ben wet, but I took quin sents.

Water is needed for three primary purposes: Wetting the subgrade, mix- able figures, the average milk produchound of a stepfather asked me to ing the material, and curing the pave- tion for the dairy cows in the United and I agreed to whip the pelt off just ment. The quantity required natural- States is 4,200 pounds of milk, points ly varies with the progress made, weather conditions and other factors" division at Clemson college. peculiar to each job. In general, a supply of from 12,000 to 15,000 gallons per day for each 100 lineal feet of 18foot pavement constructed will be sufficient. This is assuming an equivalent depth of about one inch for that the production is much lower curing and wetting the subgrade and ters an' that cop caught me red-handed. a maximum amount for mixing water of eight gallons for each bag of ce-Cattle duffing had been getting too ommon an' they were watching round. ment used. The total quantity re-The cop took me an' he took stepdad, guired for each 100 lineal feet of 18too, tied us one to each stirrup iron. foot pavement will, therefore, be approximately 300 gallons for wetting cows. That was pretty good luck for Mcsubgrade, 2,200 gallons for mixing, and this in three ways: They must have seen I was in a 10,000 gallons for curing (assuming a bit of a tomper, 'cause they put us specified curing period of 14 days). into different cells, but there was a For each additional 100 feet of progress an equal amount will be needed. | weighing of the milk each produces little hole in the slabs, an' all through the night that old calf-stealer kept The rate at which the supply is to be at each milking. Totaling this record asking me to shoulder the blame of delivered depends upon the speed with each month and also keeping a record the whole show. "They didn't catch which the pavement is being placed. on the feed each cow consumes in a

gallons per minute and this amount is which of his cows are the best. 'What's the good of two of usually ample for the average job. Jimmy? Who'll shear the rate at which water will be delivered have already made creditable records as is the pumping equipment. A table proving that they do have this ability of friction heads for various size pipes to make a profit on feed consumed. will show, for example, that a new This is a rather expensive way be 2-inch pipe delivering 50 gallons per cause the farmer who has made this minute has a friction head of 5.6 feet | record on the good cow wants to keep for each 100 feet of length, while a ber and in order to buy her, it is nec 215 inch pipe delivering the same essary to pay a premium. Also, in be melted down, rolled over and then you like this perfume?" of only 1.86 feet per 100 feet of length. loss in bringing in diseases and other For old, rusted pipe, from 25 to 50 per troubles of which you have no knowlcent should be added to the friction loss and allowance must be made for fittings and angles.

Generally, a pipe line having a friction head of more than 5 feet per 100 - now own and which are selected from feet of length will be uneconomical and a larger pipe should be substituted. A long pipe line with a high friction head imposes a heavy duty on the pumps and it is frequently necessary to install a booster pump along the line when the available pipe line is of small diameter.

By making a study of this important inspector can often render valuable assistance to the contractor and guard against delays and unpleasantness due to lack of water for curing.

# Construction of Roads

in Arkansas Progresses



Few contractors require more than 50 month, he can in a few months tell boiled shoes to throw upon all the beautiful women in the city. Madame The second way by which the farm-The size and length of the pipe line er can improve the producing ability Abdullah was arrested after hurling is as much a factor in determining the of his herd is by buying cows which the magic mixture at one attractive woman near her son's home. Lead Roofs Need Attention

> tible, but it has been found that at the end of every 200 years the metal The third way is a combination of should be recast to give the best results as a roofing material. the first and the use of a bred-for-pro-

> > the experiments.

from 1831-1834

Ruskin.

-Exchange.

duction dairy sire on the cows yo your herd as being the best, judging from the records they have made.

# Feed for Calves Where

Milk Is Not Available Where milk is not available for Potatoes that grow on branches above calves, give the following: Take 50 subject of water supply for a job, the | parts finely ground corn, 15 parts linseed oil meal, 15 parts finely ground rolled oats, 10 parts dried blood flour 10 parts skim-milk powder, one-half part salt. Stir up with warm water at the rate of one pound of the meal mixture to about six pounds of water. In human labor were required to produce

decreased, until at the time the calf is ten minutes. Farm invention, largely can see where he has been but not 50 days old it should be getting only American, is one of the greatest con- where he is going. - Charlotte Ob-The cost of building roads is al- the gruel. At this time one and one tributions to human case and well-be- server. than pay for them- feed. The total quantity of by Melvin T. Traylor, president of the calves are likely to be unthrifty.

to fill their boxes with snuff scented The leaden roots of some of Eng- with violets, his favorite flower. land's old churches, a heritage from When desirous of learning which side medieval times, occasionally have to an individual favored they would offer essary to pay a premium. Also, in be melted down, rolled over and then a pinch and ask significantly, "Do Be True to Yourself. It is difficult to be always true to ourselves, to be always what we wish

Significance in Perfume.

to Elba, and while the Bonapartists

were plotting for his return, they used

After the banishmen of Napoleon

to be, what we feel we ought to be, As long as we feel that, as long as we do not surrender that ideal of our life, Experiments in the grafting of all is right. Our aspirations represent vegetables and flowers by French botthe true nature of our soul much more anists have resulted in the creation than our everyday life .--- Muller. of new species, have prolonged the

#### Carpet for the Cellar.

A piece of old carpet placed at the the ground are among the results of bottom of the cellar steps will prove a wonderful help in preventing marks from rubber heels on the clean kitchen finoleum.

ment of Agriculture, three hours of Point of Resemblance. Lightning bugs are not so different crease gradually as the whole milk is a bushel of wheat, and now it takes from certain men. A lightning bug

Tin Cans Bad for Plants.

edge when you make the purchase.

Those who speak in public are bet-ter heard when they discourse by a ready to buck across to Sydney, and lively genius and ready memory than the voice made me buy a forty-shilling when they read all they would com- steerage ticket an' hike aboard. Every municate to their hearers .- Exchange. mile of that trip the voice got to whis-

## Need to Know One Another

There is nothing wanting to make years-seven years, just think of it, all rational and disinterested people Never mind about yer stepfather, in the world of one religion, but that Jimmy, don't think of yer little differthey should walk together every ences with him. If he kicks yer again, day .- Swift.

## Son to Be Proud Of.

An old lady's son was working in the voice. It gets you all right. The the city. The youth, being very duti- one that called me was a sort of twoful, sent his mother a telegram in- thousand-mile radius voice. While I forming her of his success in passing didn't hear it, but the moment I struck an examination. "Good boy, my Clar- windy Wellington, it fairly poured into ence," she told a friend; "look how nie sound accumulators, and before heautifully he has learned to type we sighted Sydney Head I couldn't write lately." get any sleep at nights because it kept

## Name Is Misnomer.

So-called camel's-hair paintbrushes are not so named because they are wharf, the voice swirled me up George fully have died there and then. He made from hairs out of the camel's street to the raliway station. I bought went for a walk accompanied by the skin. They are made from squirrel's fur and were first made by a man named Camel, whose identity has been pulled out for its run to the Darling. that the death rate averaged only one completely lost for many years.

本

Look Yourself Over, Old Boyin life, think before you send her back that voice made me sick with joy. The yet?"-London Tatler. to her mother. Perhaps your quota- old bare gumtrees, the ti-tree scrub, the tion in her market lin't what you put it st -- Wall Street Journal.





# Historic English Clock

Who would dare to attach a price ticket to a timeplece which was given by Henry VIII to Anne Boleyn? It rests in the chapel retiring room at Windsor, and, apart from its bracket, ooks exactly as it did when Anne ton fully received it on her wedding day. At one period in its history it got into the possession of Horace Walnole, but when his furniture and effects were sold Queen Victoria acquired it for £110. It is not large, easuring only ten inches high by four inches deep. The world has moved on while this clock has ticked away minutes that have lengthened into centuries.

# Bret Harte's Headache

Bret Harte was once lecturing at reproaching me for stayin' away too Richmond, in Virginia, and on the morning of his arrival had such a ter-The moment I tumbled on the rible headache that he would cheera second-class ticket for Bourke, and person who was to take the chair at then went across the road to get some- his lecture. The latter told him that thing to eat before the western mail Richmond was a very healthful place, I couldn't est; feit as if I had a bal. per diem.

"Good heavens!" said Bret Harte, loon in me insides, so I came back and cursed the porters until we swung who had been telling his co if you're not satisfied with your lot out. All the way up in the train how he felt. "Has today's man died

> Experts of negative film for the inst gray plains, the dusty drovers, every bloomin' thing got tuggin' at me heart 11 months reached a total of 8,466,645 strings, an' when I got out at Bourke feet compared with 6.321,870 feet for I felt all sore round the ribs like as 'the corresponding period last year,

Hollow Wooden Tubes as Portable Bridges

First National bank of Chicago, in an

address to the forty-ninth annual convention of the American Bankers' association. He is quoted as saying: "Much of our recent debt has been for good roads. In most parts of the country these cost in the neighborhood of \$25,000 per mile, but they add immediate increased value of \$10 to \$25 per acre to every foot of land they traverse and they certainly add increased dollars to every item produced on farms bordering or near them, to say nothing of the comfort and happiness which safe and easy traveling over them brings to the rural communities,

"There are many methods of providing funds for road building. Regardless of the manner in which the funds are obtained, the principal thing to be considered is that the roads shall be so built that they will render service at little expense long after payment for them is completed. Any other type of construction is waste; waste which is doubly abusive in that construction

and maintenance go on larger and larger, while at the same time the creameries as well as the smaller priuser and those who benefit from the vate creameries are planning on hanroads are paying an excessive cost for inadequate highways. "More and wider roads of permanent

money is being spent upon construction which soon wears out-which is ' tried this line of work are voting to impassable during weeks of the year continue it during the coming year. and which is fettering the growth of The reason which is advanced is that the transportation system and com- it is unnecessary to set up two organimunity development. It rests with the zations to handle two products which people who furnish the money whether are so closely related and which may roads shall be built for the present or be more economically handled by one organization for the future."

# Favor Better Roads

The popular demand for better roads reared its head recently when the gov-At the highest altitudes ever reached | climbers, and when used in an upright ernor of Kansas, working with the calving, especially if they have been on earth, members of the recent Mount position as a ladder, each rung was highway commission, issued an appeal Everest expedition crept across crev- strong enough to support a concento state bankers for a loan of \$38,000 to meet a current federal aid fund al- tion had better be dried off at once if lotment, which the legislature had the cow is within two months of calvfailed to appropriate. The first letters ing. If it starts much before that time were addressed to bankers of small Kansas towns and villages. executive mail the day after the first water well sweetened with molasses. appeal went out to small banks came

# Michigan Builds Plant

In its search for a more economical concrete highways on gravel or mac-

southwest to Kalamszoo.

# Better Dairy Practices

# to Increase Production By increasing the average production of his cows about one-fourth, and at the same time reducing his produc-

tion costs one-seventh, Arnold Graue of Jackson county, Minnesota, has increased the profit from his cows, above cost of feed and labor, more than 70 times.

He increased the production of his herd by culling out the poorer cows of his herd and replacing them with higher-producing helfers of his own breed ing. He cut down on his production costs by installing an engine to run his cream separator and by building a milk house close to the barn, thus reducing the labor of handling his milk.

Egg Shipping Business Allied With Creamery

A good many of the co-operative and discolored, a coat of flat black paint will make them look like the dling the eggs of their patrons. The latest thing in wrought iron, says Pop-

reason for this is the feeling that the egg-shipping business is closely allied ular Science Monthly. Shades then onstruction must be built. Otherwise with the creamery business. Some of the creameries which have iron and parchment.

# Bitter Milk Cause

vine church in New York is laid on solid pre-Cambrian rock, among the It is guite common for some cows to oldest in creation, so that it is likely give bitter milk for some time before to endure longer than many of the old-world cathedrals that are in danyielding milk for eight months or more. When the trouble starts the milk secreger of collapse because of sandy or swampy bases.

she should be given a pound dose of This phrase is used to denote a vic In the Glauber salt in three pints of tepid ory won at tremendous cost and re fers to the battle of Asculum, in which Roots or silage bran and oilmeal, not cottonseed meal, are necessary.

# Protein in Ration

A ration for dairy cows should contain a food rich in protein, that is, as well as a more durable type of either alfalfa hay, sweet clover hay, highway the state of Michigan has in- cottonseed meal, linseed oil meal or stalled a state asphalt plant and has soy bean meal. Protein feeds are more begun the construction of asphaltic expensive and harder to produce than thrice welcome; and, if it stir the the common carbohydrate foods. As a heart, if aught be there, that may concrete highways on gravel or mac-adam foundations. The Michigan highway department's first asphaltic pavement was iaid on a seven-and-one-half-mile stretch of the Guil Lake the Guil Lake the protein in the ra-high in price it is poor economy to be Stretched'at full length, the bridge as strong as a solid spar of the same one-half mile stretch of the Guil Lake high in price it is poor economy to be it came is noted as a white day in our

Disputed Honor.

Many Sought Grewsome Post.

ancy occurred in the position of pub-

lic executioner in England the home

Temperance Exemplified.

Saving Electric Fixtures,

can be constructed easily from sheet

Seems Like Good Idea.

The best way to get even with a

nan is to pay him what you owe him.

Church's Solid Foundation.

The foundation of St. John the Di-

"Pyrrhic Victory"

If your electric fixtures are spotted

It is as much a part of true tem-

applications for the post.

Graft Vegetables.

lives of many plants, and have inten-

sified the perfume of many flowers.

Humanity's Debt to America.

In 1830, according to the Depart-

Tin cans should not be used as con-Some authorities give credit to the tainers for growing plants. Besides

U. S. S. Vincennes, a sailing frigate, being unsightly, tin cans rust and kill as the first circumnavigating the the tips of the tender roots. Occaglobe, making the trip in 1829-1830. sionally fine plants are grown in tins, Other authorities credit the United but they would have been better if States frigate Potomac, which made a grown in pots, continuous cruise around the world

# Really Capable Mind.

The truly strong and sound mind is the mind that can embrace equally On the last occasion that a value great things and small things.

Longest River in Canada.

The Mackenzie river is the longest secretary received no fewer than 786 in Canada and the second longest in North America.

## Not the Crumbly Kind.

A cake that is dough yields few perance to be pleased with the little that we know and the little that we crumbs of comfort. - Boston Trancan do with the little that we have .--- script.

## Faithfulness.

The deepest hunger of a faithful heart is faithfulness,-George Ellot.



# The Testimony of Others

IN my new book which may be had FREE upon request, on PILES and other Rectal and Colon dis-orders, I have reproduced nearly 100 letters from among those received from my thousands of patients. These tell you frankly of their years of suffering of their trying home remedies and even opera-tions, and, finally, of their complete cure by my NON-SURGICAL method. These

are from men and women of every station, many of whom you may know. You will learn by reading this Book why I can give a WRITTEN GUARANTEE to CHAS. J. DEAN, M.D. Inc. DE DE AND OFFICES: SEATTLE OF DE DE AN DE MAIN OTH AND

You Want a Good Position Very well-Take the Accountancy and Business Management, Private Secretari-il, Calculator, Comptometer, Sisnogra-phic, Pennanship, tr Commercial Tach-ars' Course at

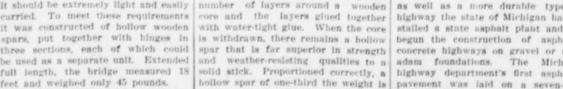
Behnke-Walker

P. N. U.

Pyrrhus, king of Epirus, won a victory over the Romans while sustaining such heavy losses that he is said to have exclaimed, "Another such victory and Pyrrhus is destroyed." Sunday Thought. Pleasure that comes unlooked-for is

highway, running from Richmond without this ingredient in feeding for lives .-- Rogers. milk.

offers totaling \$111,000.



remarkable ladder bridge carried by ple is being applied for the construc-The bridge was made especially by and for airplanes. in English firm for use at altitudes | Spruce wood is sawed into planks of 25,000 feet and upward, says Pop- less than one-quarter-inch thick, then niar Science Monthly. In view of the bent around steam-heated mandrels

uses of inconceivable depth on the trated weight of 300 pounds. This rungs of a portable ladder. Of the great strength was due to the direcmany unusual bridges in the world, tion of the grain and the system of there is probably none possessing layers of wood of which the hollow trength as great for its weight as the sticks were made. The same princition of hollow spars for racing yachts

difficulties of transport at these tre- to the form of cylinders. The ben

mendous heights, it was essential that planks then are built in the requisite it should be extremely light and easily number of layers around a wooden carried. To meet these requirements core and the layers glued together t was constructed of hollow wooden with water-tight glue. When the core