

TO YOUNG LADIES.

From the Treasurer of the Young People's Christian Temperance Association, Elizabeth Caine, Fond du Lac, Wis.

"DEAR MRS. PINKHAM:—I want to tell you and all the young ladies of the country, how grateful I am to you for all the benefits I have received from using Lydia E. Pinkham's Vegetable Compound. I suffered for



MISS ELIZABETH CAINE

eight months from suppressed menstruation, and it effected my entire system until I became weak and debilitated, and at times felt that I had a hundred aches in as many places. I only used the Compound for a few weeks, but it wrought a change in me which I felt from the very beginning. I have been very regular since, have no pains, and find that my entire body is as if it were renewed. I gladly recommend Lydia E. Pinkham's Vegetable Compound to everybody."—Miss Elizabeth Caine, 69 W. Division St., Fond du Lac, Wis.—\$8000 forfeit if above testimonial is not genuine.

At such a time the greatest aid to nature is Lydia E. Pinkham's Vegetable Compound. It prepares the young system for the coming change, and is the surest reliance for woman's ills of every nature.

Mrs. Pinkham invites all young women who are ill to write her for free advice. Address Lynn, Mass.

GLEANINGS OF FACTS.

During the last year 80,000 Jews emigrated from Roumania.

During the South African war 1,400 Germans are said to have fought against the British.

E. R. Harriman, of New York, has erected three large observatories on the highest mountain peaks near Arden, N. Y.

Albert von Koliker has been professor of anatomy in the University of Wurzburg, Germany, for the past 55 years.

Four railway lines now connect Mexico with the United States. In 1880 there was only one railway in Mexico, leading from the capital to Vera Cruz.

There are four different state swords belonging to the city of London. The black sword is used on fast days and during the mourning for the royal family.

UNABLE TO RISE.

Morenci, Mich., Sept. 8th.—Mr. J. S. Whitehead of this place has given the following letter for publication:

"Unsolicited I wish to recommend Dodd's Kidney Pills and to return thanks for the great benefit I have derived from a few boxes of this splendid remedy.

"I had kidney trouble very bad, in fact, I suffered so much that for days at a time I could not get out of the chair where I had been sitting without assistance.

"I cannot describe the pains I suffered, for they were something fearful.

"About seven or eight months ago I began using Dodd's Kidney Pills and very soon found that they were helping me.

"I can truthfully say that they have done me more good than all the other medicines I have ever taken.

"I have been greatly benefited by them and it is my desire to let others know that if anyone is suffering as I suffered they may know where a cure may be found."

ABSOLUTE SECURITY.

Genuine Carter's Little Liver Pills.

Must Bear Signature of

W. D. Wood

See Fac-Simile Wrapper Below.

Very small and so easy to take as sugar.

CARTER'S LITTLE LIVER PILLS. FOR HEADACHE. FOR DIZZINESS. FOR BILIOUSNESS. FOR TORPID LIVER. FOR CONSTIPATION. FOR SALLOW SKIN. FOR THE COMPLEXION.

CURE SICK HEADACHE.

HAMLIN'S WIZARD OIL HEADACHE ALL DRUGGISTS SELL IT

ROAD AND FARM IMPROVEMENT

THE NEWER IRRIGATION.

Experience in California Has Led to the Introduction of Better Methods of Watering.

It appears that recently the small furrow method of irrigating is undergoing certain modifications. The occasion for the change is that in certain of the heavier soils particularly the use of water in many shallow furrows followed by cultivation results in the formation of a compact layer and this prevents the percolation of water into the subsoil. This discovery led many southern California fruit growers to resort to fewer and deeper furrows and to new devices to enable the tree to get the benefit of the water.

There has been a wide use of the subsoil plow, with a wedge-shaped foot attached to a slim standard rising to the ordinary beam. The standard opposes its thin edge to the soil so as to cleave it with the least



NEWER FURROW IRRIGATION.

difficulty, and the foot passing through or beneath the hardpan lifts and breaks it. The result of the subsoiling is to open a way for the water to sink and spread below the hardpan. It is usual to run the plow once through the center of the interspace between the rows of trees, sometimes at right angles to the irrigation furrows. When this is done, the water is admitted to the furrows as usual but instead of flowing along smoothly it drops into the track of the subsoiler and runs there a long time before rising again to continue its course down the furrow. It is the experience of some growers that the water has taken five or six days to reach the lower end of the furrows, a distance which would have been covered in 24 hours if the subsoiler has not intervened. This has been shown to result in much water for the subsoil and a notable irrigation of trees which had been famishing, although shallow furrow irrigation had proceeded regularly. The usual practice is now to have six deep furrows in 20-foot spaces. The number varies according to the character of the soil, but is, in any case, less than in the small, shallow furrow system which formerly prevailed.

The recourse to deeper furrows and to the subsoil plowing has been made in several citrus fruit districts in southern California. Its success depends upon conditions. There are cases in which too deep use of the subsoiler has admitted the water at a point too low for the best results to the tree, which grows on a leachy subsoil, and the cutting of roots by the subsoiler has in some cases



CONTINUOUS CEMENT FLUME.

brought shallow rooting trees into temporary distress.

The general conclusion, however, is that deeper introduction of water favors deeper rooting, and is very economical of water by preventing the loss by evaporation from the surface, which, theoretically, is dry, but which, actually, with shallow furrows over an irrigation hardpan, becomes too often saturated over nearly the whole space between the trees.

The use of cement in the construction of flumes has largely increased in the practice of fruit growers in the older irrigated regions of the Pacific coast, because by means of locally devised machinery the cement flume has been cheapened so that its first cost is less than that of the lumber flume when suitably durable timber is high.

Similar machinery is used for the construction of continuous cement pipe, which is replacing open laterals in carrying water from main ditches to the land of individual irrigators. Not only is such flume sometimes cheaper than board flumes, but the annoyance of leakage and the cost of extensive repairs are done away with.—E. J. Wickson, in Cincinnati Commercial Tribune.

FIGHT DUST WITH TAR.

Frenchman Are Now Experimenting Along Suggestions Coming All the Way from California.

Perhaps it is thought that petroleum serves but to burn in lamps and furnaces and run our automobiles. That is the use, perhaps, that we make of it, but in America, California for example, petroleum is employed to water even public roads. Persons who have seen the operation declare it to be marvelous. There is neither dust nor odor, because the petroleum amalgamates in a way with the dust and solids and durable as asphalt.

The towns which have adopted this system economize, it is calculated, 45 per cent. of the expenses occasioned by the old plan of daily sprinkling with water. As a ton of petroleum costs only 20 francs in California and 250 francs in France, it is not practicable to adopt the American plan. There is nothing, however, to forbid using mineral tar, of which the price varies from 15 to 50 francs the ton. That is what Dr. Guglielminetti recommends, who has employed it at Monte Carlo with the same results as petroleum. Wetted with the tar the road becomes compact and hard and rain water runs upon it without penetrating.

Now it is in the dust that nestle the microbes, since 2,000,000 is the mean number found in one gramme of dust, so the new system of watering is considered eminently hygienic. The expense of sprinkling a route five meters wide would be about 300 francs per kilometer. Since 1880 a tarred road has existed in the Gironde before the gas works. The Touring club of France will make an experiment at Champigny, outside Paris, with tar and tar oil.—Paris Letter in Chicago Post.

DRIVEWAY ENTRANCES.

Favorable Impressions Are Largely Due to the Surroundings of a Handsome Home.

So much hangs on the effective arrangement of driveway entrances—the portals of the home grounds, through which critical visitors must mostly pass and receive their first impression of the place and indirectly of the occupants—great care should be bestowed upon them, having an eye to the road itself, its man-



AN EFFECTIVE DRIVEWAY.

ner of approach through the grounds, toward the dwelling, and to the planting general landscape effect.

The accompanying photograph shows a side approach that seems perfect in all its details. The roadway has a gentle, sweeping ascent by well-kept sod borders. The shrubs massed on either side are attractive throughout the year, and especially so at the time our picture was taken, when the hydrangeas were at their showiest, set off by the edging of Japanese barberry.—Meehan's Monthly.

MODERN ROAD MAKING.

Instructive Information Collected by the Inquiry Office of the Agricultural Department.

Some astonishing facts have been developed by the office of road inquiry of the department of agriculture. Who would have supposed, for instance, that bad roads are so costly in comparison with good ones as to increase the expense of moving farm products and supplies threefold? Yet such is the truth, and it is estimated that the money thus thrown away more than equals, in the aggregate, the entire expenses of the United States government! On the average American road it costs 25 cents per ton to move produce one mile; on good roads the cost is only eight cents.

The road office finds the macadam road superior to all others. Powerful machinery for road-building has recently been devised, such as an elevating grader, capable of lifting earth from cuts and dropping it into wagons with great rapidity.

A very interesting style of road now used in several western and middle states possesses a double steel track, laid in a concrete bed, each rail being eight inches wide, with a flange on the inner side, the space between the rails being such as to suit all standard gauge vehicles. On these roads loads are drawn with surprising ease and swiftness. One instance is recorded in which a single horse drew a load of 11 tons, which could only be moved on an ordinary road by 20 horses. The steel-track roads vary in cost from \$1,500 to \$3,500 per mile.—Cosmopolitan Magazine.

The Secret of Good Roads.

A hard surface, well rounded, so that the water will run off quickly, is the secret of a good road. Attention after a road is once permanently built is imperative, so that the washed-out places and depressions where water stands may be repaired. A little time and work will keep a road in good shape

BLUNDERING COURTESY.

The Obliging Young Man Had Hair on His Head and Could Spare His Hat.

Excessive kindness of heart, when allied to a blundering courtesy, is occasionally productive of an amusing incident. Of such is the following: A president in recent times of one of our royal colleges was noted for the possession of a trim little yacht, which he was fond of sailing in one of the reaches of the River Thames, says the *Candid Friend*. One day the president had the misfortune to capsize his craft, with the consequent result of complete immersion. He was immediately assisted ashore and a change of clothing provided at an adjacent boathouse. This, however, did not include a hat of any description. The president, who is an old man and correspondingly bald, stood shivering, his scant hair uncomfortably stirred by the breeze. His plight was observed with respectful compassion by one of the students of the college who had witnessed the catastrophe, and offered his own headgear. The president, however, seemed reluctant to accept it, saying: "If I take yours, what will you do?" "Oh, sir," said the student, "it doesn't matter for me. I've got hair on my head." This statement was accepted as final by the president, together with the cap, and he laughed heartily, at what, after all, was not wholly a one-sided joke, for the consternation of the student may be better imagined than described.

When the Day Went to Sleep.

Once upon a time, from behind the curtain of darkness, came smiling day, and, wrapped in the gray dawn, took its bath in the sparkling dew. Then its morning garment was changed to a cloth of gold, new made by the sun.

The day wore on. Through the hours it went wearing a smile of satisfaction, until the donning of the more somber evening dress, after which it was wrapped in the mantle of the night.

Moral—Even the day has its close.—N. Y. Herald.

Why It Was All Right.—"You needn't be at all afraid to speak to papa, George. I am sure he will be all right." "What makes you think so?" "He asked me last night what your business is, and when I said you were a retired coal-dealer he smiled and said he guessed that settled it."—Cleveland Plain Dealer.

When a bachelor does find his ideal woman it is only to discover that she is looking elsewhere for her ideal man.—Chicago Daily News.

I am sure Piso's Cure for Consumption saved my life three years ago.—Mrs. Thos. Hobbs, Maple Street, Norwich, N. Y., Feb. 17, 1900.

Bobblots—"Why do they call that place a chop house?" Joblots—"Because you need an ax to cut the steak, I suppose."—Detroit Free Press.

To Cure a Cold in One Day Take Laxative Bromo Quinine Tablets. All druggists refund money if it fails to cure. 25c.

He who seeks happiness for others is sure to find it for himself.—N. Y. Herald.

MOTHER AND DAUGHTER

Cured by Pe-ru-na of Systemic Catarrh.

An Interesting Letter from Mrs. M. K. Bousch, of Richmond, and Her Little Daughter, Pearl.



MRS. M. K. BOUSCH



MISS PEARL BOUSCH

was doctored by several good physicians, but none did me any good. My mother was taking Peruna at the time and gave some of it to me, and I soon began to improve, and am now well and fat as a little pig. I am twelve years old. The doctors told mother I had the consumption, but it was only catarrh."—Miss Pearl Bousch.

It is no longer a question as to whether Peruna can be relied on to cure all such cases. During the many years in which Peruna has been put to test in all forms and stages of acute and chronic catarrh no one year has put this remedy to greater test than the past year.

Peruna is the acknowledged catarrh remedy of the age. Dr. Hartman, the compounder of Peruna, has written a book on the phases of catarrh peculiar to women, entitled, "Health and Beauty." It will be sent free to any address by The Peruna Medicine Co., Columbus, O.

If you do not derive prompt and satisfactory results from the use of Peruna, write at once to Dr. Hartman giving a full statement of your case and he will be pleased to give you his valuable advice gratis.

Address Dr. Hartman, President of The Hartman Sanitarium, Columbus, Ohio.

Mrs. M. K. Bousch, Richmond, Va., writes:

"I had catarrh all through my system for two years and could get no relief. I was advised to try Peruna, and I have taken five bottles of it and am well and better now than I have been for years. I can advise any one who has catarrh of any part of the body to take Peruna. My little girl, who is eleven years old had catarrh, but was cured by Peruna. Before I began to take Peruna I was sick all the time, but now I am entirely cured and all praise is due Peruna."—Mrs. M. K. Bousch.

Miss Pearl Bousch, writes: "When I was a baby I contracted catarrh, and

Selfishness is the most contemptible characteristic of human nature, yet it is the most common.—N. Y. Herald.

CASTORIA

For Infants and Children

Bears The Signature Of *Chas. H. Fletcher* Over Thirty Years The Kind You Have Always Bought



EVERY CHILD BORN INTO THE WORLD with an inherited tendency to distressing, disfiguring humours of the skin, scalp, and blood, becomes an object of the most tender solicitude, not only because of its suffering but because of the dreadful fear that the disfiguration is to be lifelong and mar its future happiness and prosperity. Hence it becomes the duty of mothers of such afflicted children to acquaint themselves with the best, the purest, and most effective treatment available, viz., THE CUTICURA TREATMENT.

Warm baths with CUTICURA SOAP, to cleanse the skin of crusts and scales and soften the thickened cuticle, gentle anointings with CUTICURA OINTMENT, to instantly allay itching, irritation, and inflammation, and soothe and heal, are all that can be desired for the alleviation of the suffering of skintormented infants and children and the comfort of worn-out, worried mothers. A single set is often sufficient to cure when the best physicians fail.

Sold throughout the world. British Depot: 27-28, Charterhouse St., London. France Depot: 2 Rue de la Paix, Paris. Australian Depot: 21, Town & Co., Sydney. Forth & Duguid and Co., Sole Prop.

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THERE IS NO SLICKER LIKE TOWER'S FISH BRAND Forty years ago and after many years of use on the eastern coast, Tower's Waterproof Oiled Coats were introduced in the West and were called Slickers by the pioneers and cowboys. This graphic name has come into such general use that it is frequently though wrongfully applied to many substitutes. You want the genuine. Look for the Sign of the Fish and the name Tower on the buttons. MADE IN NEW YORK AND WELLS. SOLD BY REPRESENTATIVES THROUGH THE WORLD OVER. A. J. TOWER CO. BOSTON, MASS. ESTABLISHED 1856.

THE ESTEY PIANO Is thoroughly made, sweet-toned, durable and artistically designed. The price is moderate. WRITE ESTEY PIANO CO., NEW YORK CITY. IF INTERESTED IN ORGANS THE ESTEY VOICING IS PERFECTION. A good organ properly voiced, as the Estey organs always are, improves the voices of those who sing with it, whereas a cheap or poor organ will do the voice great injury. This fact should be considered when the purchase of an organ is contemplated for the use of children. Write ESTEY Organ Co., Brattleboro, Vt., for a catalogue.

HAZARD GUN POWDER. "One reason why boys bring home so little game is because they use loose paper for wadding. Try HAZARD BLACK or HAZARD SMOKELESS, properly loaded, and you will do better shooting than ever before."

OLD SORES CURED Allen's Ulcerine Salve cures Chancres, Ulcers, Boils, Carbuncles, Erysipelas, Tetter, Eczema, Itch, Scalds, Burns, Frost-bites, White Swelling, Blisters, Scars, Salt Rheum, Fever Sores, all old sores. Painlessly so, no matter how long standing. By mail, 50c and 10c. J. P. ALLEN, St. Paul, Minn.

PISO'S CURE FOR CONSUMPTION A. N. K.—G 1894. WHEN WRITING TO ADVERTISERS please state that you saw the Advertisement in this paper.

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