



What Is the Life of Corrugated Culvert Pipe?

Many different opinions have been expressed on this subject by people without any authentic data.

Mr. H. P. Gillette, Editor of Engineering and Contracting magazine, a trained engineer with a national reputation, recently wrote to 1000 Highway Engineers over the United States as to their opinion as to the life of corrugated culverts.

In an editorial in his magazine, of September 6, 1922, he states that the life of a corrugated culvert pipe depends mainly upon the chemical character of the metal, and that if the most carefully prepared iron is used, the life of the culverts would exceed the life of the pavement. Such statements from an engineer with the national reputation of Mr. Gillette can be relied upon.

It is recognized by trained metallurgists in the United States and European countries that "Armco" Ingot Iron is the purest iron made in a commercial way.

There are other metals used in corrugated culverts, said to be as rust-resisting as "Armco" Ingot Iron, but actual service tests and metallurgists of the country do not agree with these claims.

"Armco" Ingot Iron is used as the standard. Some manufacturers say their metal is "as good as 'Armco'." The conservative purchaser knows he is getting the best when he buys the material that is used as the standard. A recent inspection of corrugated culverts installed under various main line railroads over the United States shows that culverts made from "Armco" Ingot Iron that have been installed from 10 to 15 years are still in perfect condition.

A pure iron product costs a little more money in the beginning than a less durable material, but the life is from two to five times greater for the iron.

Corrugated culverts can be purchased, hauled, and installed for considerably less than culverts of a heavy and brittle material. This is borne out in the bids of various contractors bidding on State Highway work in many of the Western states where both corrugated culverts and culverts of a heavier material are specified.

The reasons are that the transportation charges on corrugated culverts, and the labor in handling, are so much less on account of their weight being much lighter. There is also from 25 to 40 per cent saving in the amount of excavating and back-filling for a corrugated culvert over heavier and thicker wall culverts.

In times when economy is so necessary, corrugated culverts should be given serious consideration, and especially when the service given, if pure iron culverts are used, is the longest.

Corrugated culverts are made in all diameters from 9-inch to 84-inch. Many counties and State Highway officials over the United States have found it big economy to install the larger diameter corrugated culverts, and make fills over them using rock or concrete headwalls, in place of the hundreds of small wooden bridges that each county has that is a continual source of upkeep expense each year.

When corrugated culverts of the proper diameter are installed in place of the numerous wooden bridges, the upkeep expense is practically over, as the installation is permanent.

Crushing strain tests that have been made by some of the most eminent engineers in the United States, and are now being made by the Iowa State College, at Ames, Iowa, show that corrugated culverts that are properly made and properly installed will stand up under any load that it is necessary to put on them in the construction of railroads or highways.

Every tax-payer in the country should give this subject serious thought, as it means dollars in their pockets.

The Coast Culvert & Flume company, of Portland, Oregon, who manufacture corrugated culverts from "Armco" Ingot Iron, have so much confidence in the superior lasting qualities of their products that they are now riveting a special metal tag on the inside of each culvert, with the year it was installed stamped into the metal, so that a corrugated culvert of "Armco" Ingot Iron can always be permanently identified from corrugated culverts made from other metals.

This is occasioned by the reason that many metal culverts that have been installed have rusted out in a short time, and whether these culverts were made from "Armco" Ingot Iron or not, "Armco" had to stand its share of the blame. With this tag, "Armco" culverts can always be identified.

USED CARS

That have not been misused

Priced right
Crater Lake Automotive Co.

LOCAL MINISTERS ARE ADDRESSED BY DR. W. H. HUFF

Audiences that "packed the house" heard Dr. Wm. H. Huff yesterday at the First Methodist church. Many were in attendance from out of town points.

"That was the greatest sermon I ever heard in my life," remarked one of the older members of the church after the morning service. The congregation was so moved under its baptism of eloquence and sublime truth, that when the benediction was pronounced, none seemed to want to speak save in the most subdued tones. The great evangelist's subject was "An Untroubled Heart."

To an evening audience that overflowed the auditorium, Dr. Huff spoke on "The Mind of the Master." It was a practical, heart searching message that set up a high standard of Christian living.

The revival will continue, with services each evening this week, except Saturday. There will be afternoon services tomorrow, Wednesday, Thursday and Friday. Dr. Huff addressed the Rogue River Valley Ministerial association this afternoon.

—Boost Farm Bureau—

Society

Mrs. Fred L. Strang, formerly of our city who now resides in Roseburg, has opened a music studio with Mrs. Russell Lintott at the home of the latter at 493 South Main street. Mrs. Strang will teach voice, song coaching and interpretation and Mrs. Lintott will teach piano.

The following item from the Washington, D. C. Star will interest Mrs. Strang's friends here:

"Mrs. Henry White has received very interesting press notices from Roseburg, Ore., telling of the musical work of Mrs. Frederick L. Strang in that city. Mrs. Strang was better known in Washington musical circles as Elsie Carleton Small, having been soprano soloist here in the Church of the Incarnation, Western Presbyterian church, and the Vermont Avenue Christian church, and a charter member of Rho Beta chapter of Mu Phi Epsilon, national musical society.

Mrs. Strang who is soprano soloist and director of the choir in the First Presbyterian church of Roseburg has been chosen director of voices from all the choirs in the city. Their first public concert was a rendition of Adam Goble's Christmas cantata, "The Incarnation." The Roseburg paper makes especially favorable comment on the high standard of music maintained by Mrs. Strang."—From Sunday Star, Washington, D. C.

"Y" BOYS' NOTES

On account of the general interest in the Klamath Falls game tonight, it has been deemed best to again change the regular Monday night games of the Y. M. C. A. league to tomorrow night instead. Tonight will accordingly be practice night for the South M. E. team, shifting the games night to Tuesday. It is confidently expected that Monday night will be observed as regular game night hereafter.

Tuesday night the South Methodists will meet the Baptists in the first game and the Christians will play the Presbyterians in the second game. The Baptists are coming strong at present and should give the South M. E.'s an interesting contest. The apparent rejuvenation of the Presbys may provide a fairly equal match for the Christians.

Games as usual at 7:15 and 8:30 respectively. Admission 15c and 10c for both games.

—Join Farm Bureau—

Sparkle!
—purify the blood—
Dr. KING'S PILLS
—for constipation—

GIM CHUNG
China Herb Store
This is to certify that Gim Chung of Medford, Ore., has cured me of gonorrhea and stomach trouble. M. M. Leonard, 609 J St., Grants Pass, Ore.
This is to certify that Gim Chung of Medford, Ore., has cured me of rupture of four years standing. F. G. Isham, 115 S St., Grants Pass, Ore.
Medford, Oregon, Jan. 12, 1917.
This is to certify that I, the undersigned, had very severe stomach trouble and had been bothered for several years and last August was not expected to live, and hearing of Gim Chung (whose herb store is at 214 South Front street, Medford), I decided to get herbs for my stomach trouble, and I started to feeling better as soon as I used them and today am a well man and can heartily recommend anyone afflicted as I was to see Gim Chung and try his herbs.
(Signed) W. R. JOHNSON
Witnesses:
Wm. Lewis, Eagle Point.
W. L. Childreth, Eagle Point.
M. A. Anderson, Medford.
S. B. Holmes, Eagle Point.
C. E. Moore, Eagle Point.
J. V. McIntyre, Eagle Point.
Geo. Von der Helten, Eagle Point.
Thos. B. Nichols, Eagle Point.

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FINAL BASKETBALL GAME TONIGHT AT THE NATATORIUM

Coach Nash and six members of the Klamath Falls basketball squad arrived in Medford yesterday, registered at the Hotel Holland and held a brief workout at the Nat this morning.

The Klamath team has this season played ten games and has not yet met defeat. Among the victims of the Klamath five are numbered, the Indian Agency team and a number of California teams in addition to a quintet from Merrill, Oregon.

The Klamath team challenged Medford last week to play for the Southern Oregon championship. Should the visitors win tonight or after playing the locals, think they have a chance of winning in a second game on a neutral floor, the two teams will meet again, likely at Roseburg.

In the short workout of the morning the visitors displayed their wares before coach Durno and one or two other interested spectators. Little can be learned as to the ability of a team by watching them shoot baskets. The Klamath team is considerably heavier than the local team and if they have floor ability and teamwork should be able to stage a good battle.

Seats for the contest sold with rapidity this forenoon and a large crowd is expected to be on hand again to see the last contest of the season on the Nat floor.

At two o'clock this afternoon it was not yet definitely known whether the proposed California-Oregon contest would take place at the Nat this week-end or not.

—Boost Farm Bureau—

NORTH MEDFORD HOUSE SCORCHED

A fire which considerably damaged the interior of the home of Mrs. L. Melvin at 1110 North Central avenue called out the fire department at 1:30 this afternoon and was extinguished shortly after their arrival.

The blaze started from a stovepipe which was too close to the wallpaper. The wallpaper and the paper on the ceiling was burned away and neighbors were fighting the flames with a garden hose when the department arrived.

The new department lost no time in getting there and although they laid a hose it was not found necessary to use it. The fire was extinguished with the garden hose and with chemicals.

No estimate of the loss has been made and as there was no one at home with the exception of a little girl, presumably Mrs. Melvin's daughter, it is not known whether insurance was carried or not.

—Boost Farm Bureau—

Eat Canned Goods During This Week

"Canned foods are simply natural foods cooked and sterilized by heat. The nutritive value of canned foods is the same or greater than that of corresponding raw food purchased in the open market and cooked in the kitchen," says a statement calling attention to National Canned Foods Week, March 3-10. "For instance, the nutritive value of canned peas or spinach is the same as that of fresh peas or spinach bought and cooked in the home. In the case of canned peaches, the nutritive value is the same as that of fresh fruit if sliced and cooked in sugar."

"They have," said H. M. Loomis, of the National Canners' association, "the same content of protein, fat, sugar, starch, and so on. In the case of canned evaporated milk, the nutritive value is greater than that of fresh milk because in the canning process milk is concentrated to about one-half of its original volume."

"Foods which are perishable and seasonal in character must be preserved in some way if they are to be made available the year around. In the case of fruits, vegetables and milk, canning or drying are common methods of preservation. The canning industry is based on scientific principles, though this fact was not generally realized by the industry until the last ten or fifteen years."

—This is Farmers' Week—

OBITUARY

CHERRY—Barbara Marie, infant daughter and only child of Mr. and Mrs. Lloyd Cherry, passed away at their home near Butte Montana, and the remains are now en route to Medford for interment. Lloyd Cherry, father of the deceased, is a son of Mr. and Mrs. Albert Cherry of Medford.

The body will arrive in Medford Tuesday morning, and funeral service will be held at Conger's chapel at 2:30 Wednesday. Interment in L. O. O. F. Cemetery.

—Join Farm Bureau—

Orchardists Take Notice
Bloss in your orchard during the blooming period means more and better fruit. For a small consideration we will place them for you during that time. Make your arrangements right now. Phone 960, Stewart.

JESSE WINBURN IS GIVEN 'WELCOME' BY ASHLAND CLUB

ASHLAND, Mar. 5.—A welcoming little home-coming experience, as delightful as it was informal, greeted Jesse Winburn upon his return last week from California, the hostesses being ladies of the Civic club, who joined a contingent of masculines.

Winburn, who was a jolly one. Of course the scene was staged at the new clubhouse, the rooms of which were resplendent with decorations reminiscent of the spring season. The only formal incidents connected with the event were that "covers were laid for 115 guests," and furthermore that the substantial meal served was a "covered dish" repast in the dining classification. Miss Grace Chamberlain, as president of the club, presided not only ex-officio, but also as toastmistress, and Councilman Pierce extended kindly sentiments of greeting to which Mr. Winburn, as the honored guest, responded felicitously. A social smoker, minus all nicotine accompaniments, while the merry hours away to the edification of all present. Miss Chamberlain, as toastmistress, is also a past mistress from a literary standpoint—in fact a poetess, as may be judged from versifications submitted at this gathering, one of which, entitled "My Ashland," was as follows:

Ashland! Ashland! the sun shines east, the sun shines west,
But I've just learned where the sun shines best.
Ashland! Ashland! my heart-strings are tangled 'round Ashland.
I've a comin', sorry that I made you wait,
I've a comin', hope and pray I'm not too late.
Ashland! Ashland! I'd walk a million miles
For one of your smiles, my Ashland.

This was supplemented by an admonition to "Look for the Silver Lining," opportunely to this effect: Look for the silver linings.

Where'er a cloud appears in the blue,
Remember somewhere the sun is shining.

And so the right thing to do is make it shine for you.
A heart full of joy and gladness,
Will banish sadness and strife—
So always look for the silver lining.
And try to find the sunny side of life.

High school girls lent their presence in adding to the jollity of the reception gathering, taking charge of the dining service, and otherwise assisting in making the evening's diversions a pleasant memory to both guest and hosts.

On Monday evening, March 5, will occur the annual inspection of 484th company at the armory. The inspecting officer will be Major Browne, whose present regular army assignment is with the Seventh Infantry, stationed at Fort Vancouver Barracks, Washington. The plan is to make the inspection event one of social significance also.

They have struck—not oil or gold, but moonshine in the vicinity of the historic Anderson mine. The site is so far removed from city limits, that the find was reported in justice instead of city court, with the result that George Duncan was fined \$250 and sentenced to 90 days in county jail. Not much liquor was found but the distillation equipment was mute evidence as to what was going on about the premises.

Reports indicate that Medford is about to install a commandery as a unit of its Masonic orders. Sixty signatures have been secured asking for a charter, which if granted would allow the body to act under dispensation until the grand commandery meets next October. In the meantime the new organization would have to secure equipment and perfect itself in the ritual in order to fulfill all requirements before the higher body passes upon its merits. Templar lore dates from the Crusades, the names of its commanderies being derived either from names of places or individuals of historic interest during that period. Ashland has "Malta" already, and if Medford secures a commandery, why not adopt "Cyprus" as a designation, both names being of interest as of medieval origin in connection with Templarism.

Workmen are busy in double shifts, rebuilding the bridge in the rear of the Fall warehouse, which collapsed on Saturday, the wreck precipitating a truck loaded with tile into the creek.

Nobody hurt. This bridge affords access to the alley in rear of a number of business blocks.

Will Briggs is president of the newly organized Rod and Gun club; Ole Helman is vice president; Fred Neill, secretary-treasurer, Louis Dodge is field rod captain, and Ben Bowers field gun captain. The project of securing suitable grounds for trap-shooting remains a problem. In the meantime, however, the club has adopted constitution and by-laws, ready for business insofar as regulations are concerned.

The East Side meat market has again changed hands, Virgil Chapman being the purchaser, Thede Elliott and Henry Kerley selling out their interests.

With the promotion of Will Holmes in Standard Oil service, and his transfer to Grants Pass, C. W. Farlow has been placed in charge of the station at the intersection of North Main and Church streets. Lester Weisenburger has entered employ of the corporation as warehouseman at the headquarters supply plant.

Funeral services of Mrs. Archie Millon were held on Sunday afternoon at the Presbyterian church, interment being in Ashland cemetery. An escort of the Eastern Star, also of the Neighbors of Woodcraft, attended the services. The deceased was 42 years of age and was a native of Illinois, her maiden name having been Emma Maude Fry. She was married to Archie Millon in 1906, and had been a resident of this vicinity for about 20 years. Quiet and unobtrusive, she was a lover of home and all of the domestic virtues which the term implies. She leaves no children, and the surviving husband has the sympathy of a wide acquaintance.

On Saturday Mr. and Mrs. W. H. McNair returned from a month's sojourn in southern California, having also visited Arizona and Mexican localities.

A pint or two of home brew got Jake Snyder into trouble last week, he having been fined at the rate of \$100 per pint by Judge Dill. As usual, the jail sentence was suspended indefinitely owing to extenuating circumstances.

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In the **Red Can** is the crystal white syrup—for cooking, baking and candy-making. Many prefer it as a spread for cakes, biscuits and waffles.

The new Karo in the **Square Can** (Green Label) is a combination of a pure maple sugar syrup, delicious for pancakes, sliced bread, etc.

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The very definite progress which has marked each succeeding year in Velie manufacture is more emphatic in this year's models than ever before—not alone because of our own Velie-built motor, giving a degree of power and flexibility heretofore unknown even to Velie cars, but also because of the refinement of craftsmanship in body-building and finishing.

There are specially-designed parking lights and drum-type headlights of distinctive design. An interesting removable tonneau light on a reeled cord serves as a portable light when needed. Nickeled trimming adds a note of beauty to even the smallest units. Beautifully-curved, full-crown fenders accentuate the lines of the body itself, adding greatly to the finished effect.

The Velie-built motor is as free from vibration at sixty miles an hour as at six, is automatically lubricated, dirt and dust proof, overhead valve gives maximum power.

The general sales manager for Oregon is in Medford with a latest model Velie to establish a distributor for Jackson and Josephine counties for these popular cars and is located at 118 South Central ave. Phone 769-J.

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