

The poet sang about the good things that happened when he shot an arrow into the air, but to make an impression on the modern world he would need to take something more than an arrow.

After getting measured for their suits of clothes, the young men of the period turn up at some college and get an education served to them.

Old residents of Sterling, Ill., say that the first successful gasoline internal combustion engine was built in their city in the late seventies.

AUTO LUBRICATION IMPORTANT FACTOR

QUESTION IS DISCUSSED

Expert Points Out Importance of Proper Oiling; Gives Instances; Improvements Aid

(By H. Clifford Brokaw, technical advisor of the New York City West Side Y.M.C.A. Automobile School). Someone has erected a monument in memory of a good motor killed by poor gasoline and cheap oil, which motor is said now to "rest in pieces." It is very likely that thousands of automobiles now occupying space in junk yards could appropriately have the same epitaph inscribed to their memory. The situation in regard to the use of oils is improving, however. Chemists have been steadily developing a better quality of lubricant for automobile motors, manufacturers have made exhaustive tests and most of them now recommend a particular grade of oil that they know will give the best results in their motor. Motors have been so improved that the consumption of oil is very small and therefore the automobile owner can well afford to pay whatever price is necessary to procure the best for his particular motor. While the highest priced oil is not necessarily the best, high first cost should not influence the purchaser to accept an inferior grade. One recent development which has brought motor lubrication systems nearer to perfection is the oil filter. This removes from the oil, the metal particles which have been worn off the operating parts, takes out any dirt which may get into the machine or dirt which may collect through careless filling. It also catches the hard particles of carbon which drop off the under side of the piston. These are absorbed in the filter. This dirt can be taken out of the filter and after a year's use or so the filter can be easily replaced. This makes it possible for the motorist to travel farther on the same amount of oil and at the same time get a better quality of lubricating substance.

Another Improvement
Another improvement is seen in the pressure feed method of engine lubrication. With few exceptions this has not been adopted by automobile manufacturers. The development of this pressure feed system has done much to increase the efficiency of the automobile engine. The engine to develop its greatest usefulness must be run at a high rate of speed. When this is done the pressure on the bearing becomes great enough to force out the film of oil and allow the metal parts to come in direct contact with each other. Under forced lubrication there is a pressure of approximately 25 to 30 pounds which is maintained on the oil in the bearings. This pressure aids the natural viscosity of the oil to hold the bearing surfaces apart. As long as these surfaces are kept apart no wear can occur. This means that a car so equipped can be driven at a comparatively high rate of speed for a long period of time without undue wear on the motor. One big advantage under these conditions is that the motor will last for a long time.

One-Shot System
When it comes to chassis lubrication, the one-shot system is a comparatively recent development that has met with some success. In this system the driver can push down on a plunger and force oil to the main part of the chassis which needs lubricating. This is a decided convenience for a driver who takes care of his own car, inasmuch as it relieves him of the arduous task of crawling about under the vehicles and getting himself all blotched up with grease and oil in the process. The new for covering so many points makes this system a little complicated.

One of the most approved methods consists of shooting grease into the various fittings with a pressure gun. This represents an improvement over the more unusual method of putting grease into cups. Another system requires the owner to keep oil cups filled with oil which is supposed to be an improvement over the grease cups, yet many maintain that grease is preferable to oil as a lubricant for the chassis parts.

Another improvement is seen in the transmission gear housing and rear axle housing, where the tendency now is to make the filling point about one-third of the height of the housing instead of at the top. Formerly the owner opened the top and put in what oil he thought would be necessary and the tendency usually was to put in too much, with the result that the oil would run out on the brake bands.

Under the new arrangement it is impossible to fill the case more than one-third full. The consequence is that too much oil cannot be put in and a saving in oil is also effected.

The celebration of Columbus Day passed pleasantly without Rupert Hughes' telling us that Columbus was disappointed in love, that he chewed fine cut tobacco or that he ate with his knife.

In spite of the health columns in the daily newspapers it has been discovered that pie and cake are still the most popular daily foods in America.

Three things you don't hear so much about as formerly are Tacna-Arica, Jack Dempsey and the New York Yankees.

TELLS NEW STORY OF HARDING DAVIS

Frederick Palmer Relates How He, Davis and McCormick Were Captured

Frederick Palmer, newspaper correspondent and editor, in a revealing sketch of Richard Harding Davis in the November Scribner's Magazine, tells the story of how he and Davis and Medill McCormick, destined to be United States senator from Illinois, were captured by Mexicans and how Davis' sense of humor reacted to the occasion.

"It happened that I was with him and Medill McCormick when, in the course of the American occupation of Vera Cruz, we were arrested at the frontier railroad station on our way to Mexico City, where Huerta still ruled," says Mr. Palmer. "As we were marched away to the Quartel under the escort of a squad of grubby, undersized little soldiers in blue jeans, Davis was in front, I was next, and McCormick brought up the rear. If Davis had to endure this humiliation, he would have preferred well-uniformed, smart-looking, life-size fighting men for guards.

"Isn't it about time that we did something?" he called back over his shoulder. He was itching for us to join in a rush to overpower the escort.

"We don't want to be drawn into any Soldier of Fortune stuff, Dick," McCormick warned him.

"At the Quartel, as Davis looked around at the white walls of the compound, his quizzical fancy expressed its curiosity as to which one we should be lined up against for the execution according to precedent.

"You're smallest, Medill," he told the future Senator and Irreconcilable. "They might take you first, then, if they gave Palmer and me time to write the story, all would not be lost."

GOLD WATCH FAKER TO BE CONTROLLED

The government has done a good piece of business in bringing together the manufacturers of watch cases and securing an agreement from them to stop the practice which has existed since Columbus discovered America of claiming that all except silver watch cases are gold. In late years the skepticism of the American public has been met by stamping the cases with such words as "gold filled" or "gold plated." The latest way to dodge the issue is for manufacturers to stamp the cases as "rolled gold" and "rolled gold plate." On these some of them have stamped a caret mark indicating the fineness of gold. But cases have been found which showed that three cents worth of gold was used on a case that was stamped "14 carat gold rolled." The Federal Trade commission says that this method has been used simply to boost prices. Practically all of the manufacturers of men's size watch cases, and 80 per cent of the manufacturers of ladies' size watch cases have joined hands with the Federal Trade commission in the attempt to clean up the watch case industry.

GEORGE JESSEL STARS IN 3 LOOP THEATERS

One of Most Active Sought After Actors in America; At Woods Theatre Soon

Within the month, or about December 1, George Jessel, one of the youngest stars of the American stage, will have the unusual experience of appearing in three different forms of stagecraft in as many local theaters at the same time. Having been here less than a year ago as a principal, one of many, in a Winter Garden divertimento, the young hero now finds himself starred in three loop theaters, an achievement seldom if ever attained by any other actor before.

At the moment, the versatile young man is appearing at the Harris Theatre in a tragic-comedy, "The Jazz Singer" and his shadow is flickering in a movie comedy called "Private

Izzy Murphy," regarded as one of the funniest of the funniest seen hereabouts in many months.

On top of all this, the boyish comedian-tragedian-pantomimist is co-starring with Al Jolson, Elsie Janis, the Howard Bros., and others on the Vitaphone prologue which Warner Bros. will present at the Woods Theatre early in December in conjunction with Syd Chaplin's "The Better 'Ole." This bill will run simultaneously with the Barrymore-Vitaphone program now current at McVickers.

Still in his late twenties, young Mr. Jessel is already one of the most actively sought after actors in America. His playing, which will embrace the whole gamut of the popular forms of entertainment, is contracted for the next two years. Following his season in "The Jazz Singer" he will go to Hollywood to make another picture, in between finding time enough to record again for Vitaphone.

UNIFORM MOTOR LAWS ARE URGED

Code Is Prepared and Has Been Recommended by Experts; Action Needed

The national conference of commissioners of uniform state laws have agreed upon what is known as a "uniform motor vehicle code." This code includes methods for the registration of cars, certificate of title and anti-theft act, uniform motor vehicle operator's and chauffeur's license act, and uniform act regulating the operation of vehicles on highways. The American Bar association has gone through the proposed uniform motor vehicle code and approved the recommendations that the class of laws agreed upon by the state commissioners shall be approved in all states. As a result motorists will be more liable to know where "they are at" when these plans are worked out, regardless of state lines.

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Eat Apples for Better Health

By Dr. John Harvey Kellogg
Superintendent Battle Creek Sanitarium

The acid of the apple, like that of the lemon, is an antiseptic. A Japanese physician showed that these fruit acids destroy the germs of typhoid fever and also the cholera germ. It has long been known that a diet of apples is an excellent remedy for chronic dysentery. An old distich goes:

"To eat an apple on going to bed
Will make the doctor beg his bread."
Equally well based would be the slogan:
"Six apples a day
Will keep headache away."

Most headaches are due to intestinal toxemia, the result of inactivity of the colon. Apples at meals and at bedtime serve in many cases as an excellent laxative, and thus make an end of the headaches by removing the cause.

The apple is a good means of reducing surplus weight. An overweight person may eat all the apples he wants, provided he will eat nothing but apples, and can easily reduce his surplus flesh at the rate of one or two pounds a day.

If everybody in the United States could be induced to eat six apples a day, it is probable that a good many doctors would have to abandon their profession or else take up horticulture as a side line.

Children are particularly benefited by the free use of apples. Apples are rich in vitamins, particularly C and B, which promotes growth and development. The free use of apples aids materially in the development of sound teeth, and helps to combat constipation, which is increasingly common in children, particularly school children, because of the lack of physical activity necessary to maintain good alimentation.

The idea that apples and other fruits should not be eaten with milk is a popular notion which has no scientific foundation. Apples and milk agree perfectly provided both are properly eaten. When apples disagree it is usually because they have been swallowed hurriedly without proper mastication. If each morsel is chewed until reduced to a smooth puree the apple digests in a surprisingly short space of time, passing out of the stomach more quickly than any other food. Beaumont demonstrated that the apple leaves the stomach within an hour.

Certain varieties of apple are more easily digestible than others. Apples which, when ripe, have soft, tender flesh, such as the Snow apple and the Delicious, are much more easily digestible than apples which are hard or tough.

The justly renowned Dr. Kellogg was thinking of MICHIGAN APPLES when he wrote the foregoing very instructive, scientific and practical statement about apples. The BAY-LAKE FRUIT FARMS has a fine assortment of apples from the northern portion of the famous Michigan Fruit Belt—"Fruit with juice and flavor"—at its wayside fruit stand on the Green Bay road near NORTH SHORE CEMETERY greenhouse. It has on sale, also, apple and cherry cider, and canned cherries from the same region. Many people do not understand that the quality of fruit depends on the region in which it has grown and the care given to the trees.

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