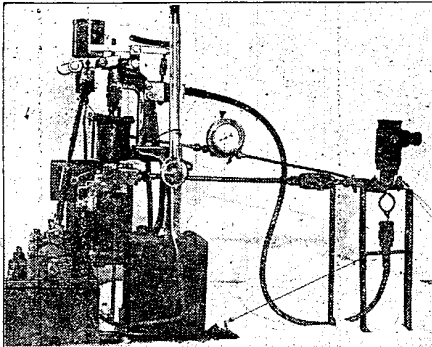


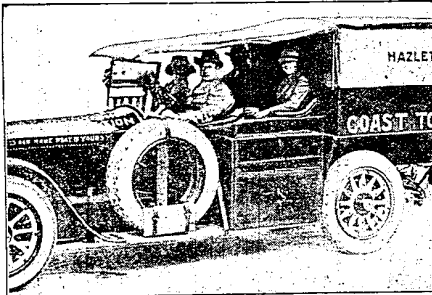
Charles and Helen Tracy, playing on the valuable circuit, and it cheaper to travel in their own bungalow motorcar than to pay high prices for railroad travel and hotel accommodations. The Tracys have traveled all over the country in their car, a marvel of convenience, while their son David, known as the "Auto-Bungalow Baby" has never known any other home.

NEW INVENTION FROM ENGLAND TO REVOLUTIONIZE AUTO WORLD



The photograph is of an improved motor, on which English engineers have been working for the past five years. The motor is said to be able to make one gallon of gas do what ordinarily require two gallons, will run any combustion engine on paraffin, gasoline, or oil or tar with equal results. The main idea, to prevent waste, and to automatically allow the exact charge of gas properly mixed with air to enter the cylinder, was conceived by a Mr. Morgan of Swansea, England. The present theory is that fuel is not yet vaporized, and it is claimed this device will do so.

TRAVELED 10,000 MILES IN AUTO



Stuart Engle and family of Hazelton, Pa., have covered ten thousand miles in their car and consequently spent about eight months in the open. The equipment included table, chairs, stove and repair parts. The itinerary included the South, Southwest, Pacific coast and Northwest.

Why Battery Becomes Weak

The most remarkable memory in America is said to belong to a native Indian of the Yakima tribe. His brain cells register everything he sees or hears.

During the war he served with the army in France and was of much value in carrying long messages, observing positions, or checking supplies, according to an Indian bureau report. When he was in camp he could call off a regimental roster and catalogue every item of equipment without any note or memorandum. On one occasion, after making a full report of observations to the extent of a thousand items or more, he repeated the full text of a lecture he had heard the night before. This was in the presence of the lecturer himself and was pronounced perfect.

Boy Found Treasure Trove.

A little bit of gold has been found on a mountain by a French schoolboy who left Chambers intending to ascend Mount Blanc. He had no guide and no food, and did not even carry the traditional alpenstock. After half an hour's climbing he came across a kettle. Looking into it he found 165 gold pieces dated 1899 and bearing the arms of the house of Savoy. Immediately the young would-be mountaineer abandoned his projected climb and took his find to the police.

For Service On Printing call
Farmington 25.

DON'T FUSS TOO MUCH WITH AUTO

Fault is Equally as Expensive as Neglecting to Give Car Necessary Attention

CURIOSITY IS RESPONSIBLE

Much Work of Repair Shops is Merely Undoing Mechanical Crime of Owners—One Driver Ignored Oil Indicator.

A fault equally as destructive to the car as neglecting it is the habit of fussing too much with it. The unworn "happy medium" applies to the car, but its exact nature requires a bit of explanation.

Not to oil the bearing of the generator means a defective electrical system. Excessive friction, with resulting excessive wear and screeching, to put too many drops of oil through the oil line, means short circuiting the armature—and trouble. If the fan belt is too tight, it will slip and cause the engine to overheat; if it is too loose, it will slip and cause the engine to overheat; if it is too tight, it will slip and cause the engine to overheat; if it is too loose, it will slip and cause the engine to overheat.

Ignored Oil Indicator. One driver was so keen about his car that he neglected the oil indicator. He saw a chance to let the gas tank see how well he took care of his car. One day he took his car to the garage and found fifteen quarts of oil in the crank case. He was so proud of his car that he neglected the oil indicator.

Compressed Air Must Be Good. Leaks Not On. Lessen Engine Power, But Also Cause Inefficient Operation. Compression must be good to derive maximum power from an engine. Leaks will cut down the engine's output, and also cause inefficient operation. Compression must be good to derive maximum power from an engine.

REMOVE MUD FROM RADIATOR

Best Plan to Use Water Directed From Hose to Clean Radiator—Cells Easily Injured.

Mud and dirt that have become hardened in the cells of the radiator should never be removed with wire or tool. The thin cell walls are easily punctured and small leaks in the radiator inevitably result. Use water directed from a hose to clean the passages, with the stream guided from the engine side.

YOU AUTO KNOW

That if the car stops dead in the road the first thing to do is to get out and look for trouble. If the car stops dead in the road the first thing to do is to get out and look for trouble. If the car stops dead in the road the first thing to do is to get out and look for trouble.

WHY BATTERY BECOMES WEAK

Drop in Voltage Occurs When Plates Have Absorbed Sulfuric Acid.

The drop in voltage or the discharged condition of a storage battery occurs when plates within the battery have absorbed the acid in the battery solution. When a battery is discharged this acid goes into the plates and forms a compound of acid and lead, called lead sulfate. It is when this sulfate fills up the pores of the plates, retarding the acid in its circulation into the plates that the battery becomes weak.

Finger Extension

Where the fingers cannot reach, a tool with jaw clamps will. This is a pencil-shaped instrument with a rod running through it holding four jaws at one end. At the other end a spring is compressed, which forces out the jaws. When the jaws are placed over the inaccessible nut or bolt the spring is released and the jaws take a firm hold.

WOMEN TO BACK NEW CHILD LAW

TOWNSEND - RESOLUTION AIMS TO AID CHILD WORKERS THROUGHOUT U. S.

Win in the United States supreme court last summer declared unconstitutional the Child Labor law as adopted by congress in 1916. Charles E. Townsend, of Michigan, immediately introduced in the senate a joint resolution proposing a constitutional amendment to be submitted to the states, as follows:

ARTICLE I

The Congress shall have power to regulate the employment and the hours of labor and conditions of employment of persons under eighteen years of age.

This amendment, when adopted, will enable congress to regulate child labor in a way that will not be subject to the courts. It will give a strong campaign in favor of the change in the constitution to obtain the approval of at least 36 states, and the effort to make it a party issue.

It will be a splendid constructive work for women to press to completion. It will not be an easy campaign, but it is the most effective way in which to obtain permanent reform.

The child labor amendment is but one of many progressive and constructive measures fought for in Washington by Senator Townsend. Perhaps his best known campaign is that for the St. Lawrence waterways project to give the Great Lakes port of access to the sea.

Prof. Ferris talked much in favor of the League of Nations two years ago before Michigan voters went on record a half million against it. Now he says he is a Wilson Democrat and is in the League with the Lodge reservations. He is in the League with the Lodge reservations.

Our country is one of the few in the world which is now paying its way as it goes, and it is regarded with disfavor any tendency to interfere with this condition or to increase taxes. President Harding, in address to executive officials of the government.

MICHIGAN NOW IN FRONT RANK

NEW LAPEER HOME WILL EN-ABLE IT TO FULY CARE FOR UNFORTUNATES.

Under the present Republican state administration, Michigan has taken a forward step that places it in the front rank of commonwealths for human progress and public welfare.

Expending about \$300,000 for extensions to the Michigan Home for Training School of Lapeer, the building is being completed at a cost of \$750,000. It is the largest building of its kind in the state, and will be a fitting home for the state's unfortunate children.

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MATERIAL HINTS IN BUYING AUTO

Ten Important Points Should Be Given Full Consideration Before Making Purchase.

ECONOMY IS MOST ESSENTIAL

Power to Go Anywhere at Any Time is Desirable as Well as Safety and Convenience. Comfort Must Not Be Overlooked.

A most important investment is the purchase of a motorcar. If the prospective buyer is to get the most out of his investment it is necessary that he be grounded in the essentials of motorcar knowledge before-hand.

Ten Big Points.

There are ten important points that the purchaser should consider carefully before making his selection. They are (1) economy, (2) power and flexibility, (3) durability, (4) comfort, (5) safety, (6) convenience, (7) easy riding, (8) beauty, (9) style.

It would be a safe plan if these points were studied in the order named.

Economy heads the list because it is the important question of the times. Buy a car having an economical record, one which will give you a maximum amount of mileage for each gallon of gas.

Power is the next important essential to be considered. You do not want to be hampered by any limitations in this respect. You desire to be able to go anywhere and at any time, and for this reason you want power in your automobile.

An asset which we all seek in buying a motorcar is durability. When one considers the amount involved in the investment this is very important. This feature of a car depends upon the character of its maker; his honesty, his wholesome ideals, his standards, his long experience and his success in the automotive industry.

PROPER MANAGEMENT OF CAR

Running Expenses May Be Reduced by Making Stops Gradually—Also Start Slowly.

When making a stop, close the throttle and withdraw the clutch at a distance from the stop, allowing the momentum to carry the car forward until a very slight pressure on the brake brings it to a standstill. Constantly practiced, this little saving will subtract a nice margin from the running expenses. In acceleration, do so gradually, as the engine then uses the entire quantity of fuel fed in, whereas in quick acceleration it gets more than it can employ for the moment.—Farm Life.

PROPER CARE OF REAR AXLE

Lubrication and Correct Adjustment—Are Most Important—Avoid Excessive Use of Oil.

The two most important items in the care of the rear axle unit are proper lubrication and correct adjustment. The unit includes the differential, axle shafts and their housing. The gears comprising the differential must turn continuously in oil, usually a very heavy kind, and the gears should not be used as the excess may work along the axle shafts to the brakes, and cause slipping.

AUTOMOBILE GOSSIP

Avoid overlubrication. Never race the engine. Commonest cause of overheating is lack of water.

In London there are 101,767 licensed motor drivers.

Tighten battery terminal nuts often, so as to maintain contact.

A hairpin will do the work of a cotter pin when the emergency arises.

Follow advice of manufacturer regarding grades of oil for lubrication.

Lamps should have bulbs of equal candle power, have clean reflectors and be properly focused.

Test the steering gear to see that it does not bind at any point and is thoroughly lubricated.

Try a Liner—They Bring Results. Enterprise Liners Bring Results.

BETTER, STRONGER CITIZENRY NOW EMERGING OUT OF WORK IN UNITED STATES.

The American Red Cross as an evangelist of better health has looked its problem square in the face. How it accepted the task revealed to it in the nation's physical condition as brought out during the World War, and conscientiously applied its activities to correction forms a vivid chapter in the forthcoming annual report.

Historically and practically, nursing is a basic work for the Red Cross. In its public health nursing service, in instruction in home hygiene and care of the sick, nutrition classes, first aid and life saving courses and health centers, the American Red Cross is applying effectively the lessons learned during the war and making for a healthier, stronger and better nourished citizenry.

The task of the Red Cross Public Health nurse in the 1,249 nursing services now operating throughout the country instructing their communities in health essentials and disease prevention is demonstrating the possibilities of human betterment and the great benefits of enlightenment.

During the last year 313 new public health nursing services were established by Red Cross Chapters, and several hundred services so convincingly proved their effectiveness that they were taken over by public authorities. In order to promote this work \$30,000 was allotted to provide women to prepare themselves for public nursing. The home visits made by the 1,249 nurses aggregated nearly 1,500,000, visits to schools numbered 140,000, and in six months 1,250,000 school children were inspected by these nurses and where defects were found advised examination by physicians. In rural communities this service has made a very marked advance and has won thousands of converts to approved methods of disease prevention.

In home hygiene and care of the sick instruction, which fits the student in methods of proper care where illness is not so serious as to require professional service, the Red Cross conducted 3,884 classes during the last year, enrolled 2,356 instructors, 30,448 students and issued 42,636 certificates.

On June 30, 1922, nutrition embraced 1,190 classes, with a total of 27,523 children and 2,569 enrolled students. Seventy-eight food selection classes graduated 733 who received Red Cross certificates. In general health activities Red Cross Chapters maintained 377 health centers, serving as many communities, provided 38,751 health lectures for large audiences everywhere, while clinics numbered over 10,000.

The advancing standard of the Junior American Red Cross made two outstanding gains during the last year—one in the field of domestic activity, which is rapidly linking up the schools with the Junior program, the other a gain of a dozen countries in Europe pledged to organize Juniors on the lines of the American organization.

For this accomplishment the American Juniors earned the hearty endorsement of the League of Red Cross Societies for its "creation of an international spirit of human solidarity among young people with a view to preparation of a new civilization for peace."

The forthcoming annual report of the American Red Cross for the year ended June 30, 1922, will show 24,528 schools enrolled, with a total of 4,483,845 pupils wearing the "I Serve" button of the American Junior Red Cross—the badge of unselfish service earned by each individual member through personal sacrifice.

In international school correspondence 788 classes and schools were engaged in friendly communication with 271 schools in European countries, 10 schools in United States territories, 33 in South Africa and 10 in a miscellaneous list of foreign countries. The work in foreign fields in establishing playgrounds, school libraries, sewing and manual training classes, homes for war orphans, school reconstruction in devastated areas, encouraging community gardens and many other activities was financed through the National Children's Fund raised by the Juniors at a cost of \$338,257.40.

During the year \$56,027.70 was contributed toward the fund, in which on July 1 there was a balance of \$201,301.53.

Spectacles for Horses. It appears that among the many unique inventions of the more or less practical nature there are spectacles for horses. The purpose is said to be not to improve the sight, but by causing the ground in front to appear nearer than it really is, to induce the horse to take high steps. After a training with such spectacles, it is averred, the horse acquires and retains the habit of high stepping. These spectacles, it is said, are largely sold in England by lovers of horses of the thoroughbred type.—Washington Star.