SCHOOL. STUDY SPORTS

# THE JUNIOR BRITISH WHIG

BIGGEST LITTLE PAPER IN THE WORLD

HUMOR PLAY WORK

Scene: Interior of the Adams cabin. I'd bettah look at the meat again. Jessica Adams, a young Negro girl, neatly dressed, is sitting at a table, peeling potatoes. Her old bent grand- Grandfather comes in.) father, a boy made up as a Negro with a bald head and white beard, is Where am dat chile! sitting in a big chair.

Sho Ah does. Chile, when youah old up coin.) as Ah is, you-all won't talk like dat. JESSICA: My teachah says ft's youah rabbit's foot again?

GRANDFATHER: nothin' 'bout sup'-sup'-

JESSICA: Stitions. ha'nts an' luck an' things like dem. youah pocket. Heah's dis ole rabbit foot in mah (Grandfather looks his astonish plan dinner, they were still feeling pocket. Bin carryin' it yeahs an' ment. He drops loosely into his chair. Then he takes the dollar from his fashioned fashioned fashioned. good luck? Nevah begun to have real pocket, and, without looking at it, fashioned meal for sure. Let's have good luck till Ah got dat rabbit's foot. throws it through the open window.) Caught in a graveyard at you do that foh? Ah lose mah luck. Don' make no didn't have dat rabbit's foot. diffunce what youah teachah or de pres'dunt say. Luck am luck. Rabbit's foot. Dat's all.

sugah is all gone. I want to have Ronman, groege, dowhra, wednar, What will we do?" suppah all ready when mothah comes Won't you go down to the stoah? I can't leave the cooking. GRANDFATHER: Aw right, honey, aw right. (He gets up slowly and

hobbles toward the door.) JESSICA: That's a nice gran'fathah. (She puts her arm around his shoulders and pats him on the arm. As she draws her hand away she slips it into his coat pocket and pulls out the rabbit's foot. Then she opens the door for him.) Now don't stop to talk with some of youah friends, Gran'fathah. It's late.

(Jessica closes the door behind him, and, grinning, holds up the rabbit's foot. She crosses the room and places "charm" in the drawer of the

JESSICA: Poah gran'fathah an' his rabbit's foot! Wondah what he'll do when he finds it's gone. Prob'ly he'll be positive he's going to be run ovah, or the house will bu'n up or something. (Glances at clock.) It's most

follow artificial feeding.

OF TAR

LIVER OIL

& COD-

ime foh mothah to be heah. Guess (She starts toward the kitchen, but as she does so the door opens and

JESSICA: Heah, Gran'fathah. GRANDFATHER: What you-all JESSICA: But, Gran'fathah, you think Ah foun' right out by dis Mr. Nilson, as he took off his coat. don't really b'lieve in things like that! house? A dollah, right on dat side- "Ellen made a nice new salad," said

JESSICA: I s'pose you think that's silly to be all the time b'lieving in GRANDFATHER: Dat's right Dat's the fancy stuff? We're not millionright. Dat's some rabbit's foot. If Don't know Ah didn't have dat rabbit's foot Ah wouldn't 'a' found dis dollah.

JESSICA: (Goes to table and gets GRANDFATHER: Don't know rabbit's foot, which she holds in front nothin' 'bout stishuns, but Ah does of Grandfather. She grins.) Look know you cain't take no chances with heah, Gran'fathah. I took it from pouted all through the meal. The

Lef' hin' leg of a rabbit, dat's what JESSICA: Gran'fathah! What did coffee. midnight. Cain't no bad luck come GRANDFATHER: Why, chile, Ah table and use mother's old dishes, and to a pusson with a rabbit's foot like knowed without lookin' at it dat it see if we can't borrow a red tabledis un. If Ah lose dat rabbit's foot was plugged-jus' mah luck when I cloth somewhere," laughed Beth.

TO-DAY'S PUZZLE

gnivri, phira, idvad. Answer to yesterday's: "Birds of eather flock together.'



### ONE REEL YARNS

FRIED POTATOES Ellen and Beth were doing the cooking while their mother was away. visiting Aunt Anne. They found it great fun at first. They spent most of their time planning the meals and

looking through cookbooks for new GRANDFATHER: Jessica! Jessica! recipes. All the salads and desserts they had long wanted to try were served their long-suffering father. "Well, what have we tonight?" said GRANDFATHER: B'lieve in 'em! walk! Ain't dat luck! Look! (Holds Beth, "and I tried a sort of frozen pudding. Then we've fricasseed-"Look here," said Mr. Nilson, "don't you think it is about time to cut out aires, you know. And even if we could afford big grocery bills, that sort of stuff is not good for us. Let's

have something plain and nourishing for a change." Beth and Ellen were sullen and next evening, when they started to

"And let's serve it on the kitchen table and use mother's old dishes, and The two girls set to work and scon had the "plain meal" ready to put on the table. They heard their father When the following boys' names Some one was with him. Beth ran to (Grandfather slips rabbit's foot into lave been straightened out, and the spocket of his old, tattered coat.)

When the following boys had been some one was with him. Beth ran to the door and peeked out. "It's Aunt Sara," she wailed. "She hasn't been JESSICA: All right, Gran'fathah, etters will spell the name of a lead- here for years. And I've always heard have it-oh, I forgot to tell you. The ng official of the United States: mother tell about how fussy she is.

> But it was too late. Mr. Nilson and Aunt Sara came straight to the kitchen. Their father managed not to show any surprise, and the four of them sat down to eat, the two girls tongue-tied with shame and confu-

"Well," said Aunt Sara, "I'm glad to find two girls who can get a plain meal without fixings. Most girls nowadays run up big grocery bills getting fancy stuff. I'm glad to find my nieces don't put on airs." Beth and Ellen looked at their father. His eyes were twinkling. "I don't know who the joke's on," whis-

was talking to Aunt Sara, "but I sort of think it's on us." Mr. Smith (trying to wake Willie mith): "Eight o'clock! Bight

FRONTENAC HAS TOO

pered Beth to Ellen, when their father

Willie (sleepily): "Did you? Better

MANY PUBLIC SCHOOLS

One Has Only One Pupil and

Another Two-Inspector

Truscott's Report.

schools for South Frontenac, present-

ed his annual report to the county

council on Wednesday afternoon.

The report stated that there were

101 teachers, of whom only four

were men. The average salary paid

to first and second class teachers

was \$955, an increase of \$73 over

1920. For third class teachers the

average salary was \$825, an increase

of \$95 over the previous year. The

average salary paid throughout the

county was \$850, an increase of \$87

over 1920. Twenty-three teachers

last fall received a salary of over

Inspector Truscott reported an in-

crease in attendance on the whole.

One school he visited had only one

pupil enrolled, one had two pupils

and a dozen or more schools had an

Frontenac south public schools was

\$30,119.62, as compared with only

\$20,322.19 in 1920. This was a de-

cided increase, and averaged \$300 for each teacher. The inspector

pointed out that of twelve separate

schools in South Frontenac in 1921,

six received from government grants

alone more than enough to pay the

Inspector Truscott recommended

boards of education in order to im-

prove public school conditions in

Frontenac, and the levying of the

same school rate on all public school

suporters in the township. He would

also close schools where the attend-

ance was very small and arrange-

ments could be made to send the

COUNTY COUNCIL TO HELP

In Urging the Government to

Rebuild the Dairy School

Here.

The county council at its Wednesday afternoon session appointed Councillors Sproule, Sibbitt, Guthrie

and Hamilton to join the Kingston

Board of Trade and Milk Producers'

Association deputation to wait upon

the Ontario government and urge the

rebuilding of the Eastern Ontario

Dairy School, destroyed by fire last week. A deputation was present

from the Board of Trade and milk

producers association and asked that the Frontenac council assist in the

endeavor to have the school retain-

ed in Kingston. Dr., Chamberlain addressed the

ouncil and asked that the Fronte-

nac council join with the council of

the county of Leeds in having the

boundary line between Leeds and

Frontenac resurveyed. The council

R. H. Fair, county road superin-

receiving pensions.

establishment of township

salaries of the teachers.

pupils elsewhere.

In 1921 the legislative grant to

average of ten or less enrolled.

\$1,000.

S. A. Truscott, inspector of public

Better Vaporization For Old Type Engines

Special Intake Heating Is Essential Under Existing Fuel Conditions NGINES OF CARS WHICH WERE BUILT a number of years ago and are thus unprovided with means for heating the intake system, and improving fuel vaporization, such as hot spots in the intake passages and combined exhaust and intake manifolds, can generally be considerably improved as to gasoline economy, quickness of attaining normal operation, and freedom from oil dilution and rapid carbonization by the installation of extemporized devices for heating the mixture delivered by the carburetor. Many of these older engines have an intakepipe, extending upward from the carburetor, which divides into the manifold branches and it is to this vertical portion of the intake that heat can be most readily applied. In this case, a cylindrical jacket can be made of sheet metal, so formed that its ends or heads will fit tightly around the intake pipe and so as to provide an ample space for hot gas between the pipe and the jacket wall. The jacket should have set into its wall, near its upper end, a fitting to take a standard size of all metal flexible tubing. To apply the jacket, the intake-pipe can be sawed off close to the carburetor flange, the jacket slipped on and the carburetor flange welded back into place and in the case of long vertical pipes, the jacket need not always be of the full length possible. A hole is drilled and tapped in the exhaust manifold, of correct size to take a fitting to which the other end of the flexible tube is attached, and the end of this fitting, which screws into the exhaust pipe should be formed to act as a deflector to direct gases into the tubing. This is readily accomplished by making it of a short piece of pipe, sawed longitudinally for a short distance and with one-half of the sawed part removed, the concave face of the remaining part being within the exhaust pipe and pointed in the direction from which the gases are moving. To give the hot gas a circulation through the jacket and to let out moisture, a number of small holes are punched in its lower head, but if one is "finicky" about odor, another tube can be attached near the bottom of the jacket and lead down under the car. Such a simple intake heating device often makes usable and fairly economical an old engine which could hardly be made to perform without it, especially in cold weather. A hot air supply for

the carburetor is always required in such cases. SPECIAL ATOMIZING DEVICES | BEPLACING 19-V. BATTERY E. E. E. asks: Can you tell me anything regarding the merit of the devices known as ----, in increasing gasoline economy and reducing carbon formation? These little articles are circular in shape and are bolted into place between the manifold branches and the cylinder ports of the Ford engine.

Answer: We have had no personal experience with these particular devices, the object of which is to catch and break up into a fine condition, large masses of fine condition, large masses of liquid gasoline, which would other-



not susceptible to complete vaporization and mixture with the air. tive terminal of the other. The two By arresting large drops of gaso- batteries used should be of the By arresting large drops of gasoline so that the air current atomises them, by subjecting them to
artificially created whirling currents of air or diverting liquid gasoline, on the manifold walls, into
the air stream, in a finely subdivided condition, devices of this class
are capable of performing a service, the benefit of which lies in
more complete combustion, in less
carbon-forming distillation of fuel
on the piston head, and in reduced
thinning of the engine gil
batteries used should be of the
same size, that is, of the same
otherwise it would be difficult to
keep them equally charged. It
would be preferable to use wo batteries of the same make and in
similar condition, but this is not
absolutely essential. No char in
wiring would be necessary, the 12volt cables going to the free terminals of the two batteries and the
6-volt cable to the point of connectical between them. thinning of the engine et

WITH TWO OF 6-V.



P. E. H. asks: Can two six-vol batteries of different makes be used to operate the electric system of my 1917 —— car, which requires twelve volts? Will any change be required in the wiring?

Answer: Two suitable 6-volt batteries, connected in series, will take the place of a 12-volt battery, the positive terminal of one being electrically connected to the neganection between them.

Testing The Suspected Spark-Plug

Oreating Discharge Conditions That Reproduce Compression Effects

UST BECAUSE A SPARK PASSES between its points, when a plug is leid on the engine and current is sent into it, is no sign that this occurs in service, when the points are surrounded with compressed gas, which offers a high resistance to the electrical discharge, as compared with that of the outside air. When core insulation is defective, the discharge is likely to pass over or through it and no spark take place between the points. To test the insulating quality of the core, the discharge resistance between the sparking points must be made equal or somewhat greater than it is under compression, and if the spark passes under these conditions the plug is probably serviceable. It the discharge path for the spark can be made 1/4 inch, instead of the 1-32 inch usually allowed, it will make up for the effects of compression. In the case of a plug with its outside or grounded electrode of wire, this can be bent away from the central or live spark point to give the quarter inch gap and if the spark passes all right, the core insulation may be considered sound-at least when it is cold. If it is not desirable to bend the wire electrode, for fear of breaking it, the spark gap can be lengthened as follows: Take a strip of stove or insulating mica and introduce its edge between the plug points. This will cause the discharge to pass around the edge of the mica and thus follow an elongated path, which if a quarter inch in length, will indicate that the core still offers effective insulation. Unless a special testing outfit is available, the suspected plug is laid on the block of the running engine, one of its plug cables being disconnected and used to supply the testing current. Before a test is made, the cable terminal should be held 1/4 inch away from the engine block, to be sure it will give a spark of that length. or otherwise plugs tested may be unjustly condemned.



Answer: This engine has the usual oil-throwing ring, formed on the shaft and an angular oil-catching pocket formed in the crank-case, to receive the oil thus thrown. This pocket should drain back into the oil pan, all the oil delivered by the ring, but if the drain passages have become clogged, it may fail to do so. You better make sure that these return passages are per-fectly clear. Are you sure that you are not carrying a higher oil pres-sure than is required? If the pres-sure is too high, the amount of oil passing along the shaft, especially in case the bearing is somewhat worn, may be more than can be re-

FITTING HOT-MR PIPE TO OLD ENGINE E. V. G. asks: Can you give me any hints about attaching a hot-

air pipe to the carburetor of my ear, which is of an old model Answer: You can probably obtain the required fittings from some service station of one of the carburetor makers, who fits his instruments to various makes of cars. If your carburetor has one airintake only, the connection should gine leaks oil badly through its be fitted to this, and if it has a rear bearing. What is the cause of fixed air inlet and an auxiliary air fixed air inlet and an auxiliary air supply, the connection had better be to the former. You will require a hot-air stove or collector, of such design that it will fasten around the exhaust pipe of your engine, a length of flexible metallic tubing of the right size, sufficient to reach from the outlet of this stove to the



turned and some may leak out. Are the oil pipes leading to the other bearings free of obstructions? If not, there may be an excess of oil forced to this particular bearing—more than can be returned. If your engine has seen considerable service, you may find that you can cut down the oil pressure somewhat, with safety, and perhaps reduce the tendency toward leakage.

Questions of general interest to the motorist will be answered by Mr. Clough in this column, space permitting. If an immediate answer is desired, enclose self-addressed, stamped envelope.

d upon good roads in the county of A by-law was passed for the bor-

rowing from the Bank of Toronto of If Your Trouble \$60,000 for current expenditure.

Likely to Have a Meeting. will take action upon this request branch, or amalgamation of the ex- sumption. isting organizations. He has confer-County Clerk Bradshaw reported Ted with a number of returned men that for the year 1921 Frontenac's in the district, and a meeting will or cold, and want of proper exercise.

Naturally a pull will get a men sussin of his own opportunities. due to his failure to inherit money, sum of \$67,091.63 had been expend- to the top quicker than a push.

Toronto.

Long as the day may be the night

Is Scrofula As Often Acquired As Inherited.

J. Higgins, representing the Grand perhaps enlarged glands of the neck.

Army of United Veterans of Canada, This blood disease affects the interis still in Kingston looking over the nal organs, especially the lungs, and situation with regard to forming a if neglected may develop into con-

It causes many troubles, and is aggravated by impure air, unwholesome food, bad water, too much heat share of the money paid in mothers' probably be held in the near future, Hood's Sarsaparilla, the blood-Howances was \$2,629.50. In De- W. L. Rayfield, V.C., who accompan- purifying medicine that has been cember twenty-three mothers were led Mr. Higgins, has returned to used with so much satisfaction by three generations, is wonderfully successful in the treatment of

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## Absolute Evidence in Favor of Ground Cylinders

All high grade automobile engines manufactured in this country as well as in Europe have their cylinder bores finished by grinding. Some of the American cars that might be mentioned are:

Hudson Brewster Cadillac Cunningham Dorris Franklin Haynes

Kissel LaFayette Locomobile Marmon Mercer Packard

Pierce Arrow Rolls Royce Standard Stevens Duryea Templar

In fact, 84% of all the manufacturers of pleasure cars use engines with ground cylinder bores, and 91% of the com-mercial motors are ground. Heald Machines are used ex-

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