Expert Advice the For Automobile Owner

Queries and Replies Covering Matters of Importance to the Man Whe Runs a Car

My rear axle makes a noise, espeeially when turning a corner. I have had new housing and gears put in, also new bevel gear driving pinion. When I screw the pinion as tight as I think it ought to go it binds. What is the matter

This condition is due to the shifting of the large differential gear, so that it moves away from and toward the driving pinion. 'The cause of this is usually a loose truss rod, which permits the housing halves to separate. The left half of the housing should be removed and the bolts reset and tightened, and then the truss rod taken up as far as possible to form a rigid construction. If you are not familiar with the work do not attempt it and under no circumstances should you try to readjust the gears to compensate for the Joose rod. International Land

### Are chain carbon removers as good Much has been said against this

method of removing carbon from the cylinders, but it has been tried with very satisfactory results, no harmful effect on the motor being noticeable. It certainly is a quick and effective method and equal in every way to the result obtained when the cylinders are removed and scraped. Many people are afraid that if they use this method there is danger of the chain catching in the valves or that small pieces of the chain will become broken off and score the cylinders, Both experience and careful thought on the subject, however, will show that there is no possibility of the chain catching in the valves of hhy poppet valve motor. Of course it would not do to use the chain in a rotary or sleeve valve motor, because it would get caught between the edge of the valve and the edge of the ports and be ground to pieces, and at the same time the valve would be injured. Furthermore, there is no possibility of small pieces of chain breaking off and scoring the cylinders for the reason that the chain is not britthe. It will bend before it will break. Nor is the material hard enough for the remover to scratch the cylinder as it is battered about. The chain will only remove the carbon from the top of the piston, the cylinder head and that part of the bore that is above the piston travel. The valve pockets must be scraped, but as these are easily accessible this is not an objection.

How are platinum points fastened to on the large gear gives the ratio bescrews of a magneto?

One method is to hard solder the motor makes as compared with the ints in place. The first step is to cur number the wheels make when the car

What is the approximate saving in current when using the two headlights switched on as dimmers instead of switched on full?

This all depends on the method of dimming used. If the lamps are dimmed by connecting them in series then complete his operations, the nature the current consumption is cut in half of which was evidently to bind the if the resistance in the wires is neglected, and since this is small it may If two bulbs are used in the headlight, a large one in focus for country driving and a small one out of focus for city driving, the saving may be much greater, the small bulb taking he was insane, as his words were con-about a fourth the current of the large fused and his mind wandered inter-mittently. On his person were found which the management work - in

I am troubled with fire coming from the exhaust cut out underneath my when running rapidly and shutting car off quickly; also when pulling hard. It is not the regular exhaust from the engine, but a large blaze like gasoline fire which comes clear to the ground and fudled condition of his mind: spreads out several feet each way. Can "The novelists and story

causing this trouble without seeing the town & worked a few days arrested car. However, it may be that the valves are improperly timed or the mix. Could you help a fellow to do so taska by the following well known ture may not be correct. If the valves again. Quincy was with them as men: State President W. C. White in have been reset lately it would be wise to make certain that the timing is correct, but if they have not been reset they probably are all right. If the mixture is at fault it is a simple mat- a visit going back to ask for the pos- ident V. J. Schoenecker. ter to adjust the carburctor. Possibly ition before. The scenes of boyhood there is carbon in the exhaust pipe or it may be that you are running with shine or a chance to do as before. the spark too late,

My front axle to bent about one and one half inches from the spring seat to the outer and of the axle, a distance of about ten inches. How should it be straightened?

This axle should be heated to a cher. ry red heat and then straightened. The heat should be applied at the bend only, and as this is ten inches from the why the latter should be heated and his acquaintances. therefore no danger of them becoming enlarged. In fact, it is doubtful whether they would be enlarged even if exposed directly to the heat. It is not necessary to give the axle any heat treatment after it is straightened.

Does it make any difference how many teeth are in a bevel gear in relation to the gear it works in?

The relation of the number of teeth on the driving pinion to the number tween the number of revolutions the ADJUDGED INSANE

Man Named Dan Dorrell, Home Any Place, Picked Up by Officers Last Friday

A lady living in the east part of town was amused and then startled last Friday when a stranger appeared at her home in the afternoon and begged for a spool of thread, not caring what the size or color might be. tion for this city. Imagine her surprise when the man took the thread and started over to neighbor's house, wrapping the

thread around trees, shrubbery, and then around the neighbor's residence. When he had used the entire spool, he proceeded to ask the

next neighbor for a new supply, and then started through the same procedure. But the officers had been notified and before the man could

houses on one street together so that they could not be blown or washed

When questioned he gave his name conventions. A great deal of work! was escorted to the police station. as Dan Dorell, with no home in par- had some time to play. ticular, and it was at once seen that] mittently On his person were found from the other divisions and see that my friend Horace Bogue came across dressed to Mr. Captain McCullough, their baggage was taken proper care care Capt. Snyder, Broadway Transfer Co., St. Louis, Mo.: the other trains arrived in Omaha from differing is an excerpt from the latter let-ter and it gives an idea as to the be-wives. It was a good sight to see

"The novelists and story writers these conventions for years meet tell of tramping around visiting news their friends from other states whom stands and libraries. I was in your & walked over to Rock Island, were welcomed to Omaha and Nebrthe stage. People raised a orphan behalf of the Nebraska division; & after forty years we are men. Sure & certain of mail & express telegra-Morehead, Hon. C. E. Lobeck and They phy we was found again. Employed Senator G. M. Hitchcock. They a short time on Pacific & Atlantic on were responded to by National Pres-1 police. Young has been released on & installment plan. Garden & sun-The exhibition of fine arts and curiosity. Visiting on coast for fourty days at house of correction." The other letter is similar in its rambling

When Darell appeared at the first house and asked for the thread he grabbed the woman's hand and started to pull her out of the door. He is obsessed with the idea that he is a great and powerful man in financial circles, and in his letters refers king pin bushings there is no reason to some of the world's richest men as

On Tuesday he was taken to the county jail. The insanity board UU, composed of Dr. H. H. Bellwood, Monte Hargraves and Eugene Burton adjudged him insane, and he will be Figures Just Compiled by County Astaken to the asylum the last of this



Making Stockmen's Conven-

Mrs. Tully was elected delegate to are located. attend the supreme convention at Los Angeles in October. Fullerton mer and family departed Saturday was decorated with the P. E. O. col- for San Francisco to attend the ex-

T. P. A. CONVENTION

Alliance Delegates Returned Home Well Satisfied with Treatment

at Omaha Last Week The 26th national convention of the T. P. A.'s convened in Omaha June 14 and continued until the evening of the 18th. Judging from what the old war horses said, it was away, the law was upon him and he the most successful one of the 26

in a lifetime-when it comes to the was accomplished and the delegates same name, but a few years ago, Sunday the 13th was a very busy found a Lloyd P. Thomas, who got they got to their hotels and that the following interesting news item,

which sounds a whole lot like us: of. During the day three special LLOYD THOMAS SHOT: letter contained no address. Follow- ent parts of the United States loaded | Special to the Chronicle.

the old men that had been attending they had not seen for a year.

The rest of the time was taken up in routine business along with which the convention sent President Wilson a message that the T. P. A.'s of America were with him and that they would be with him as long as

The vonvention adjourned Friday afternoon to meet in June, 1916, at

Delegates from Post M, Alliance, were R. C. Strong and Robert Lud-

sessor Show Little Change from 1914

for Box Butte county and has them my lap for?" in tabulated form. They do not Alliance Band Did Much Toward show much change from last year. V.: "No, but to give you something The greatest proportionate gain is in almost as good as candy—a real

1915

8111 450,405

18881 473,210

1914

18,516 483,260

**Burlington Bubbles** 

The total value of all

against \$967,390 for this year.

8,220 462,475

11.880

No.

and jenies 161 10,530

year and for 1914:

& jounies 187

Cattle

effects

automobiles which increased in num- sweet kiss. tion a Success of the principal attractions at ockmen's convention, and one creased 26 during the year. The num-ber of jacks, jennies and mules &e-creased 26 during the year. The in-creased in num-ber of jacks, jennies and mules &e-creased 26 during the year. The in-me the candy over time I be gives

The state convention held at Fuller- trains to stop at Willand on flag for ness and recreation in your lives, ton last week was attended by Mrs. passengers and Treight. Hoffland is said she to an eleven-year old girl. Charles Tully, president, and Mrs. the new statten about ten miles from "Oh, I don't know about that!" an-Samuel Tillett, secretary, of the Al-Alliance, and it is where the potash swered the girl. "It ain't to dull as liance P. E. O.'s. The ladies report deposits, in regard to which The you might think. Dere's always

Superintendent W. M. Weldenhaors and everyone did their best to position. They were joined here be- us what had de tremens, an' de lady provide a royal entertainment. Much credit is due Mrs. Tully and Mrs. Tillett for securing the next conven-Galesburg, III., and by his brother, ear off." F. D. Weidenhamer, and family, of

Sterling, Colo., who are making the trip with them. They are going by the northern route, by way of Portland, and will return by the southern seriously ill. route. Needless to say, they will enjoy a fine trip.

A Hlogd's Column A

My Double for Sure

Many of us don't find our double

6

20

a grand entertainment at Fullerton. Herald recently contained an article, something doin' to keep us from gettin' blue. It's lively sometimes, all right. Fer instance, las' night the people on our floor was a-cuttin' up high. Dere was a gentleman next to

> Mrs. Monte Hargraves was called to York Wednesday noon by a telegram stating that her mother was

> FOR SALE-Bargain in five room cottage at 116 Missouri avenue. Large rooms. Renting for \$12 per month. In good repair. Price \$1000. DR. GEORGE J. HAND. 29-tf-5690

> OLD PAPERS for sale at The Herald Office. Five cents per bundle.

## Geo. J. Hand, M. D. Asthma and Hay Fever

Eye, Ear, Nose and Throat PHONE 251

YOUNG FREE ON BOND Calls answered from office day or night.

Galveston, Texas, June 5-Late this evening Lloyd B. Thomas, the young newspaper man, who it is charged, was shot last afternoon by John W. Young, Jr., proprietor of the Labor Dispatch, was resting quietly. The bullet penetrated his abdomen after first piercing his forearm between the wrist and elbow. and his condition was considered so serious that no attempt was made on the part of the surgeons to probe for the bullet.

bond of \$500, signed by Marsene Johnson, M. E. Shay and J. L. Darrouzet. It is understood the revolver, which was not of a large caliber, has not as yet been obtained by the police.

#### A Friend in Need

"My dear fellow, delighted to meet you. Just the very man I wanted to I wish you would kindly lend see. me \$20. I unfortunately left my money at home, and I haven't a cent

"I'm awfully sorry, old chap, but I haven't that amount about me just now. I can fix it, though, so you can get it almost immediately."

"Ten thousand thanks, dear boy. "Here's ten cents. Take the street car and go home and get your money.

Childhood's Observation

Visitor (who has taken small girl County Assessor Jelinek has just on his lap): "Now, my little pet, completed the 1915 personal tax tolls what do you think I've taken you on

Small Girl: "To give me candy." V.: "No, but to give you something



Every dop has his day - the nights are reserved for the cats.

WE ARE HEADQUARTERS For Auto Supplies and Oil and Gas-

oline Free Air on the Curb

Alliance

Auto Supply Co.

Phone 25-



points. Then by the aid of the brass alters the ratio. solder the points are fastened in place.

Kindly tell me something about long and short intake manifolds. Which is the better?

The short manifold usually is better. showing superior results at low speeds with wide open throttle and equally good results at high speeds. When the throttle is with open at low speeds, a committion existing when the car is on a heavy pull, the liquid gasoline in the manifold must be lifted a greater beight in the long manifold, and hence there is a chance of loading up, due to the liquid fuel dropping back against the throttle. The condition really is caused by the air velocity being insufficient to carry the fuel to the motor. With a short manifold the fuel need not be lifted very high, and hence there will be no loading up or collecting of gasoline in the manifold

What is the life of the average storage battery when used for starting? A starting and lighting battery will last for three to four years, if properly cased for. Each year the battery will need new separators.

#### How can I change a low compression motor to a high compression one?

The compression may be raised by several methods. It is hardly advisalle to make this change, because your motor has been designed for a certain compression, and if you raise it, say ten pounds, you will submit the cylinders to a greater strain than they were designed for, the pressures on the cylinder walls will be greater and the wear on the bearings more. If your meter is not giving sufficient power you should find out what is the matter with it rather than raise the compression

Probably the best method is to rivet a plate to the top of the piston or the cylinder, whichever is more conventent. Placing the plate on the piston adds weight to the reciprocating masses, while if it is attached to the cymder head there is danger of inter ference with the flow of the gases in and out. In either ca.e be sure that there is clearance enough between the piston and the cylinder to allow the plate to be put into place. If the plate is attached to the piston it should be made of aluminium for the sake of lightness.

Lengthening the connecting rods or increasing the crankshaft throws will plan increase the compression Pat rather of these methods is as simple or as cheap as the first one suggested.

What is the cause of inner tubes becoming cemented or fastened to the casing so it is very difficult to remove them?

This is caused by neglecting to use enough tire talc between tube and casing. Whenever a tube is placed into a casing always sprinkle talc over the inside of the tire. Talc is a white powder, which is cheap, and may be bought at any supply store.

#### crank shaft and connecting rods, either when putting in new ones or when taking up slack in old ones?

If only slightly worn bearings may be adjusted by removing shims or by filing the bearing caps. If the bear ings are scored or worn out of round or if new yearings are put in the surfaces must be scraped.

If the bearing surfaces are in good condition and not worn out of shape a looseness will disappear. Remove only izations in the state. enough shims to make the bearing a snug but not a tight fit. When shims removed by placing the bearing cap in a vise and fiting down the surface. In case too much material is removed a copper or paper shim or shims should be inserted to make the cap fit In filing the dat surface of the bearing cap should be preserved, the file not only being held flat against the surface, but the movement of the tool being carefully executed.

If the bearing is scored, new or work out of round it will need scraping This should be done by an experienced man. Connecting rod bearings may be scraped without tearing down the mo tor, but if the main bearings require scraping the motor must be disassem bled and the crank case placed upside down with the crank shaft and fly wheel still in position. The main bear ing caps are removed, and the crank a solution of Prassian blue After ro tating the crank shaft a few times and removing it the high spots of the bear ings will be conted with the blue These spots are carefully removed with a special scraping tool, care being tak en not to cut too deep. Then the crank shaft is repainted and the operation repeated until the few large high spot have given place to more evenly distril-nted small ones, showing that the bearing makes contact at practically every point.

two small slots at right angles in the is traveling on high gear. Any change the stock men's convention, and one creased 26 during the ye end of the two members carrying the in either the pinion or bevel gear that contributed in a great degree toward making the affair so enjoyable, was the Alliance band. The members held rehearsals frequently before the occasion so that they Horses might be in shape to make the best Mules, Jacks showing, and all Alliance people

were well pleased with the result. This band has been organized only Household a short time, and this makes their work even more creditable. Just Automobiles 275 this one event alone proved conclusively the benefit of a band-not taking into consideration their regular Jacks, mules Horses weekly concerts on the streets. There is no one thing a town possesses of Cattle How do you fit babbitt bearings on which it can boast more than its Automobiles 237 band. While the visitors to the convention were admiring our fine town with its many public improvements. they did not fail to say a good word for the band.

The boys are barely started in their efforts, and the coming months will see many improvements. The organization of a junior band will prove beneficial to the city organization by assisting in keeping the ranks filled and in increasing the memberslight adjustment should be sufficient ship. Instructor Wilson is fully to make them tight. There are usually competent, and is sparing no effort family leave today for the Black several shims under the bearing cap. to bring the Alliance band into the Hills, where they will spend the next and by removing these one by one the same rank as the best musical organ- two weeks fishing and camping.

# are not used the lost motion may be RAINS DURING CONVENTION

#### Jupiter Pluvious Got Busy Every Evening-Responsible for Decrease in Attendance

It would seem that old Jnplter Pluvius got his wires crossed last week-either that, or he had a grudge against the stockmen's convention, for he proceeded each night to make people hunt shelter, sometimes for not more than five minutes and at other times for half an hour. Anyway, it was a rather curious co-

incidence. After the first two times, people knew better than to appear on the streets in the evening without an umbrella, for they knew they would have use for them.

The heavy rains up and down the Burlington, causing the sandslides shaft bearing surfaces are painted with and washouts, were the direct cause of 2,000 more people not being here during the week. Trains were so irregular, and it was so impossible to estimate their arrival in Alliance, that these people, who had intended to be here, changed their minds. Many people, who had come here before the washouts, were greatly inconvenienced in returning to their homes by missing connections at junction points.

P. E. O. Convention Nev Year

Alliance has been selected for the state P. E. O. convention in 1916.

Following are the figures for this do it."

#### **Might Have Yellow Fever**

A New York young lady not feel-Act. Val. Ass. Val. ing well caused the family physician to be summoned. After looking at her tongue, feel-

\$94,642 ing her pulse, etc., he said: "I do not wish to alarm you, Miss, but your symptoms are plainly those 24,687

19,683 of scarbet fever." "Oh. no," she exclaimed in con-sternation; "surely not, Doctor!" 92,495 "Yes," he said, "you are certainly threatened with scarlet fever." 2,376 "What shall I do? What shall I 18,952 do?" she moaned in great distress. "Oh. Doctor, couldn't you throw it personal

into some other kind of fever. Scarproperty for 1914 was \$919, 875, as let is so trying to my complexion." There was a man in western Iowa

who suddenly became rich and built an enormous house. He decided to adorn it with statuary from Italy and so he ordered a copy of the "Venus de Milo." In due time it arrived, executed in the finest Carrara marble but no sooner did the millionaire receive it than he sued the railroad for Chief Dispatcher A. V. Gavin and \$2,000 damages for mutilation and what's more, he won the suit.

#### Lively in the Tenements

Aside from a few branch lines on A young woman new to mission the McCook division, the washouts work on the east side, New York have been completely repaired. It was lately moved to comment upon is thought that the entire system will the monotonous and cheerless existbe in normal condition by the last of ence of the inhabitants of the tene-This week or the first of next week. ments.

"I suppose there is little bright-An order has been issued for

June Udeddings The Herald is prepared to furnish Wedding Announcements and Invitations

at reasonable prices in different styles. Engraved invitations furnished promptly.

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