

AUTO SENSE

TAKING A KNOCK IN TIME

By Williamson

QUARANTINE LIFTED.

DOC, MY ENGINES BEEN AS SNAPPY AS AN ALLIGATOR WITH THE TOOTHACHE ALL SUMMER BUT ITS DEVELOPED PALPITATION OF THE HEART. COME OUT AND LISTEN AT ER THUMP



SOUNDS LIKE A PISTON SLAP DOESN'T IT?

SLAP NOTHING THATS A WALLUP, ONE OF YOUR MAIN BEARINGS HAS GONE WRONG. A PISTON SLAP HAS A KIND OF A RING TO IT, BUT WHEN A MAIN BEARING GOES BAD THERE'S A DULL THUD.



NOW TRY TO LOOK INTELLIGENT A WORN WRIST-PIN TAPS AND A PISTON SLAP RINGS, BUT YOU HAVE TO REMOVE THE PISTON TO GET RID OF EITHER ONE. IF YOUR BEARINGS HAVE SHIMS ON 'EM AND YOU CATCH THE KNOCK IN TIME YOU CAN END THE TROUBLE BY REMOVING A SHIM AND TIGHTENING THE BEARING AGAIN.



NEGLECTING KNOCKS SENDS MANY A GOOD CAR TO THE JUNK PILE LIKE SOME WINE, THEY GET WORSE WITH AGE. EVERY EXPLOSION OWES THE BEARING A HAMMER-LIKE BLOW AND SPRINGS THE CRANK SHAFT. THE SPRINGING CRYSTALLIZES IT AND THEN GOOD NIGHT!



The Opening of Township Hall Fixed For Dec. 17th. Sunbury, Dec. 11.—The date for the opening of the Sunbury township hall has been set for Dec. 17th. Judge Lavell is to formally declare the hall open and a good programme is promised and refreshments served.

Harvey Shannon and family are out of quarantine, also William Sloan's family. Mr. and Mrs. Charles Stinson are rejoicing over the birth of twin girls. Congratulations. Mrs. Harry Shannon is spending a few days in the city visiting Mrs. William Hall.

A special meeting of the Woman's Institute was held at the home of Mrs. C. Smith, on Monday. The Sunday school pupils are busy practicing for their Christmas tree. The Ladies' Aid met at the home of Mrs. George Ritchie, on Dec. 10th. There was a good representation of members and a number of visitors.

A car load of city friends spent Sunday at the home of Corneilus Smith. Miss Mildred McDonald has returned home after spending the past two months at Latimer. Leslie Moreland is spending some time with his uncle, D. J. Wilmot, Pittsburg.

Stanley Fisher and his bride are getting settled in their new home. All join in wishing them a happy future. Nelson Niblock, Ellenville, is engaged to do the painting in the hall.

HAMMER DOWN ALL NAILS



If you see a nail sticking out of a board, hammer it down before you or someone else steps on it. Any nail is likely to cause infection if it penetrates the skin. Death has been caused within forty-eight hours by nail wounds. If you step on a nail, go to a doctor at once.

See Tweddell's \$22.00 overcoats. Nile green satin, very heavy and clingy, makes a most picturesque evening gown to be worn under a mink evening cape. Genuine antique desks, several styles to choose from. Mah Jongg tables, the last style. R. J. Reid's.

power stroke on either side of the worn bearing. The firing order of the cylinders never allows the cylinders to fire in 1, 2, 3, 4 order. So the power stroke can not throw its force against the same bearing twice in succession.

A stethoscope is useful in locating knocks, but if you can not get one try a slender hardwood rod about three feet long. Hold one end between your teeth and place

the other end against the engine while it is running. Move it about until you find the place where the vibration feels the strongest. Bearing shims can be used on any engine. They are nothing more than several layers of very thin metal which are inserted between edges of a bearing. When a slight knock is heard you can take the bearing apart, peel off one layer of the shim and tighten it up again.

900,000 of the latter in use in this country, and less than 1,000,000 motor cars. Motor-cycles, which are much more popular than in the United States, number 600,000.

The ministry of transport, noted in making public these statistics, said that the British are doing a greater export business with bicycles and motor cycles than the American manufacturers, who once led the British in this trade.

In 1922, according to British records, Great Britain exported 7,270 motor cycles while America was sending out 16,000. But the latest figures show 20,000 machines exported from Great Britain and only 9,700 from the United States.

Cutting Melons. New York, Dec. 13.—Christmas distributions to stockholders, aggregating between \$3,000,000 and \$4,000,000 were made by a half dozen corporations in the form of stock, extra and increased dividends.

New Jersey Board of Education has adopted a resolution extending the normal school course of two years to an optional four-year course.

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Horses in Canada Laugh At Tractors and Autos

Winnipeg, Dec. 15.—Any fears that the horse would be supplanted by the automobile and tractor in Canada are unfounded, it is indicated in a report of the department of agriculture, which shows the horse population of the dominion has increased 100,000 in the last year. The number was placed at 8,546,233, compared with 8,445,233 horses last year. The principal increase was in western Canada.

The increase was attributed to a revival of interest in breeding draft horses, the demand for horses for farming due to increase in agricultural production, and the greater use of horses for lumbering activities, city transportation and in other fields where horse-power compares favorably with traction power.

SHORT HAUL BUSINESS.

With Motor Trucks Bought By U. S. Railroads. New York, Dec. 15.—Elisha Lee, vice-president in charge of operation of the Pennsylvania System, sees the motor delivery truck sharing honors with the freight train in future transportation, now that the railroad industry has become permanently divided into what he calls wholesale and retail departments.

Vice-President Lee holds the view that the chief problem in regard to the handling of freight, as between railroads and motor vehicles, are not those of competition but rather those of co-ordination. "The part of the motor vehicle," Mr. Lee said, "is not to do what the railroads are already fitted and equipped to do with full success and satisfaction; it is to do what the railroads are not able to do at all, or else do only with difficulty and imperfect success."

"Such profits as the railroads are able to make at all come practically altogether from the mass transportation of freight and passengers over at least considerable distance in other words from what we may term the wholesale departments of transportation. This is just the form of service in which experience shows that trucks cannot consistently earn real profits. On the other hand, those forms in which trucks can and do make money are almost invariably the strictly retail form, in the rendering of which railroad operation practically always involves losses, and sometimes very heavy ones."

As a result the use of motor trucks in the handling of short-distance packages, or, in railroading, "less-than-carload," (L.C.L.) freight, has been developed on the Pennsylvania Railroad until more than 20 routes are in operation. Most of these serve the suburban zones of Pittsburgh and Philadelphia and, to some extent, the eastern shore of Maryland. The extension of this trucking service has been accomplished practically within 12 months and research and studies are under way to extend it further. The management feels it has proved that the speedy and mobile new auxiliary releases heavier railroad equipment for heavier traffic uses, increases efficiency of general service and effects important economies.

Englishmen Pedal Bicycles While America Goes in Cars

The automobile has not yet replaced bicycles in Great Britain not by a long shot. There are 6,

Russia Is Reconstructing Georgian Military Road

Soviet engineers have begun important reconstruction work on the

great Georgian military highway which runs from Vladikavkaz to Tiflis and connects Russia with the Caucasian states. Begun more than 100 years ago by czarist engi-

neers, the road, which runs for a distance of 150 miles through the steep Caucasian Mountains, is now in a bad state of repair and will require millions of dollars for its reconstruction.

As an engineering achievement, the highway probably exceeds any similar project in Europe. It took 30 years to build it and it cost \$35,000,000. It has figured conspicuously in all the wars in Russia throughout its entire course. Throughout its entire course, the traveler finds an unending panorama of superb mountain scenery, gorges, rivers, lakes, glaciers, ravines, waterfalls, ancient fortresses and castles.

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