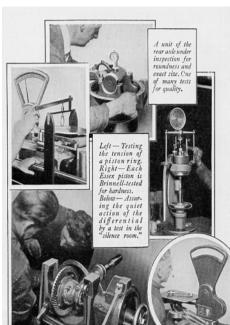


Details of ESSEX SIX CONSTRUCTION



How Essex Six Quality Is Kept High

around economy and pleasing operation because

an exacting system of inspection holds quality to a uniformly high standard. Illustrations on this page picture a few steps in this program. In many vital units the Essex has as fine workmanship as any car whatsoever, because human ingenuity has not discovered any method by which a better standard of work can be accomplished.

Piston pins and main crankshaft bearings for example, are held to an accuracy of ½ of 1/1000th of an inch. To comprehend such precision, imagine for yourself a quarter-inch divided into 1,000 equal parts. Or, the same thing, imagine a hair split into 10 equal fractions, or a cigarette paper's thickness divided four times. Such watch-like standards are manifestly impossible with human senses. Yet these standards are maintained month

after month as a part of the regular day's work in manufacturing Essex automobiles by the thousand. The result is obtained because the Hudson plant — in which Essex is built -utilizes in its inspection system the latest

> Camshaft surfaces are checked to exceptionally close accuracy.

Each connecting rod is tested for an exact, equal weight.

The Essex Six, built by Hudson under Hudson patents, yields a remarkably high degree of all
Great Accuracy

Modern Scientific Inspection Instruments Assure and most sensitive instruments known to the scientific-industrial world—devices which detect

the most minute inaccuracies. In hundreds of parts an error of one-thousandth means rejection. Workmen are paid only

for results which meet these inspection requirements. Essex has been designed so that these many inspections do not necessitate immoderate costs. Modern automatic machinery is used which can work to

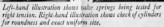
this high standard of accuracy, and moreover can continue to do it indefinitely with no errors of fatigue or miscalculation.

The object of this great care is to assure parts which fit so precisely that they may move or revolve on each other with no appreciable friction. This not only conserves power, but makes for long wear, and brings about the smooth running satisfaction which all Essex owners know so well.

Thus a combination of careful design, which takes advantage of

the best modern facilities, and a full equipment of scientific inspection instruments works out to give Essex owners a car of remarkable quality at a most unusually favorable price.











The Essex crankshaft is balanced so exactly and delicately that vibration is practically eliminated - a prime reason for the quiet, smooth operation of the car.

