

By Ashley Shipp

Automotive design

Year 1

1703262

The innovation of cars

Exhibition

Ways of perceiving



Karl Benz who said "the love of inventing never dies" made the first car that was ever produced which changed the world and changed the way people were transported the only downfall of this car was that it was too expensive for the poorer people of society and.

Was mostly used by the rich as a means of fun the car was not mainstream at this time as the best means of fast transport was still the horse.

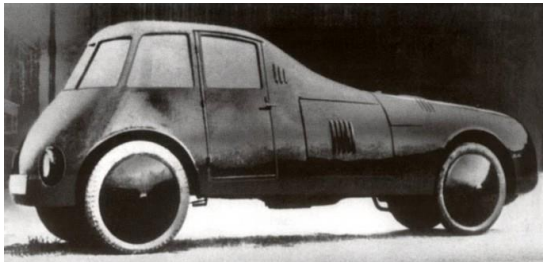
But that wasn't the point of this car the point was to show people what a car could accomplish if worked on in the future so this is why this car must be displayed in my exhibition as it is the starting point of transportation in a growing economy.



The model T also known as the "Tin Lizzie," was a very important piece of automotive history and innovation as it was the first car to be mass produced and held the record for the most made and sold car in the states.

It was the first car to be sold with a roof and was able to travel long distances which changed the way products food and many other goods were delivered and also connected people to the world which created more jobs.

And Made the American economy a lot stronger as roads gas stations and rest stops had to be built to accommodate the ford model t the engine was also reliable which changed the way the public thought of the car as a permanent reliable source of transport for the future.



For my third choice of car to be displayed this one is probably the most important car to be designed with the principles of aerodynamics it was called the "tear-drop car." which in the 1920s was not considered very seriously by any of the manufacturers.

But began to take notice when they realized that this car could turn corners at over 60 miles per hour and had a lot of speed that the engine was not capable of under its own steam.

The engineer responsible for this incredible feat of imagination and ingenuity was Aurel Persu a great engineer and designer who realized that if you shape a car into a teardrop shape you could lessen the drag of the air around the car by making the surface more rounded.

This also gave the car downforce not an incredible amount as the aim was to experiment with shape which was accomplished as other manufacturers started to experiment with this new found aerodynamics This car was also one of the first cars to have the wheels in line with its body aerodynamics also saved money and fuel which cemented its story in automotive history.



Citroen Traction Avant

This car got it "right" it was built in 1934 it is called a Citroen Traction Avant it is one of the first cars to have the lights front wheel drive and suspension it was the first vehicle to mass produce these mechanical features.

The cars that we see today have all these elements fitted in their cars and Citroen pioneered this mechanical innovation and showed that the car could drive over any obstacle

And showed potential customers that the car could be a comfortable and enjoyable experience to take on long journeys.



The beetle

The "Car for Everyone" one of the most recognized cars on the road by anyone be it car lover or not its history began in Nazi Germany under the leader Hitler who asked Porsche to create a car that was affordable to the masses of Germany's new society.

Hitler wanted a car that was cheap to buy, cheap to run and easy to maintain the fact that it was attractive, small, agile and reliable was a plus this is the "People's Car" that would help build Germany's economy.

And applied to young people as it was the only car that they could afford and run for a long time it showed that cars could be economical in an uncertain economic downfall and gained popularity during the hippie movement

This car is still being driven today by many people who belong to beetle clubs and it is still going strong its contribution to the cars we have today is that it was the first car that showed

People that cars could be affordable to the middle class and you did not have to be rich to own a car.



The jaguar E Type

This car showed people that cars could have elegance and style “the most beautiful car in the world” words spoken by one of the most famous of manufacturers Enzo Ferrari who knew a thing or two about styling this car was also very quick and helped the improvement of the braking and suspension of cars this vehicle also was very well engineered this put the sports cars on the map and was an icon of design which has inspired creative styling of cars today this made cars more attractive and massively as a result of the e type a lot more sellable.



Koenigsegg Agera R

It was the fact that a car that could reach just over 400 mph a giant leap for automotive technology innovation and design.

There will be a person to answer questions as visitors walk around the gallery there will be a quiz at the end of the exhibition which participants will answer questions about each one of the cars and contribution to the car we see today.

And drives people to learn about the history of cars.

Here you can see the layout of my gallery it is shaped like a car there will be seven cars displayed in this imaginary exhibition each holding important innovations that accumulated to the car we see today.

They are all put into order of year of creation and of their contribution to the modern car that we see on our roads people will learn the history of the cars and have the opportunity to engage in a quiz where they can win a drive or a ride in any car of their choice in the gallery.

This adds an element of fun and engages the visitors to learn more effectively when given a goal like a fun quiz is an important element to my exhibition as holding an audience is difficult it will plant a memory in their brain remembering what they have learned more effectively.

Image links

Image (1)

Article title:	Karl Benz
Website title:	Asme.org
URL:	https://www.asme.org/engineering-topics/articles/automotive/karl-benz

Image (2)

Article title:	1926 Ford Model T for sale near Grand Rapids, Michigan 49512 - Classics on Autotrader
Website title:	Classics.autotrader.com
URL:	https://classics.autotrader.com/classic-cars/1926/ford/model_t/100820750

Image (3)

Article title:	Cool car from the 1920's: The first auto designed with aerodynamics in mind 22 Words
Website title:	Twentytwowords.com
URL:	http://twentytwowords.com/cool-car-from-the-1920s/

Image (4)

Article title:	Citroen Traction Avant hire - Chianti Classic Car, Tuscany (Italy)
Website title:	Chianticlassicar.com

URL:	http://www.chianticlassiccar.com/cars-citroen-traction-avant.php
-------------	---

Image (5)

Article title:	Volkswagen Kever 1300 (1966) review
Website title:	AutoWeek
URL:	https://www.autoweek.nl/autoreview/30655/volkswagen-kever-1300-1966/

Image (6)

Article title:E-TYPE REBORNURL:

<https://www.jaguar.co.uk/about-jaguar/jaguar-classic/etype-reborn.html>

Image (7)

Article title:	Agera R - Koenigsegg
Website title:	Koenigsegg
URL:	https://www.koenigsegg.com/agera-r/

QUOTE LINKS

1. BY [PATRICK E. GEORGE](#) How Aerodynamics Work (page 4)

<https://auto.howstuffworks.com/fuel-efficiency/fuel-economy/aerodynamics3.htm>

2.) RAC (27th Jul 2017) The story behind Karl Benz

<https://www.rac.co.uk/drive/features/who-invented-the-car/>

3.) By [Michael Banovsky](#) August 2, 2016 The Citroën Traction Avant Will Never Go Out Of Style

<https://petrolicious.com/articles/the-citroen-traction-avant-will-never-go-out-of-style>

4.) .vwheritage (2018) HISTORY OF THE VW BEETLE

<https://www.vwheritage.com/beetle-history>

5.) JOHN CONNOLLY 12:00AM August 14, 2017 The Australian

<https://www.theaustralian.com.au/life/jaguar-etype-sexiest-car-in-the-world/news-story/451870bee9612ba5dbef1f3022dcf250>