

B-29 is city's big contribution to the war effort

This article from the Wichita Eagle details the features of the Boeing B-29 Superfortress. The B-29, the most powerful U.S. bomber during World War II, put Wichita on the map and provided the city with the tremendous influx of money and people that were required to build the airplane.

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of 141.3 feet, overall height of more on the performance of the plane than 27.9 feet, and a length of 99 or motors even at extreme altifeet.

Most of the plane is constructed of aluminum being covered with lar equipment on the craft. All of sheets of the unpainted metal and the gear is made with twin wheels by extensive use of aluminum spars because of the great weight they and superstructure. Outside apparance of the plane's smooth look is enhanced by the butt jointing of the aluminum sheets or skin and the use of counter-sunk rivet making them flush with the surface.

Three factors make the plane readily identified. The nose of the plane is long and protrudes far out ahead of the wing. Another distinctive feature is the long slender tapering wings and the last is the great high tail which was designed, it was said to lend stability and ease of control to the craft.

One of the outstanding features in the design of the bomber is the development of the plane's wing known as the "Boeing 117 wing." This wing has an extremely high loading rate. To overcome handicaps created by the heavy wing loading a large flap was constructed into the wing to aid in landings, take-offs and to increase the service celling. The flap totals approximately 20 per cent of the entire length of the trailing edge. It is attached to the wing by four specially constructed heavy

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By BURTIS T. DOZE

Wichita's greatest contribution to the war effort, other than men, is the famous Boeing B-29, flying battleship, now reported in combat action.

Purpose of the B-29 is to deliver huge bomb loads to enemy territory by flying great distances at extremely high altitudes. This plane is the largest bomber in the world being a third larger than the B-17 Flying Fortress, with a wing span of 141.3 feet, overall height of more than 27.9 feet, and a length of 99 feet.

Most of the plane is constructed

Emphasis was placed on stability and pilot's control of the plane. In some case slight loss of speed was made to give greater control and stability to the plane. All controls on the plane are manually operated direct without any hydraulic or electrical type of booster. Despite the great surfaces that have to be moved by the pilot the operation is free and easy.

Bomb bay of the Superfortress is a huge affair. Special releases have special turbo-superchargers had to be made to feed air to the engines. Each motor is equipped with a supercharger and the nacelles have been so constructed and streamlined to give the greatest performance possible without cutting down on the performance of the plane or motors even at extreme altiques.

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another without the use of telephone or an intercommunication system. The bombardier sits in the glassed in nose of the plane. His what is the matter. Someone says, vision is unhampered from in front below or above. Sitting in the bombardier sposition gives one the feeling he is almost riding out in the can look down between his legs and see nothing but air while in flight. Behind the bombardier st the pilot and the co-pilot. When the bombardier is coming on target or in the act of sighting the front guns all he has to do is to lean back and give a command to the pilots or tap them on the knee. Near the pilots is the engineer's compartment. He rides with his back to the front of the plane with his controls and instruments in front of him.

Tires are no small item. They are constructed of 10 ply fabric and built to stand the hardest punishment. Most abuse the tires take is on landings. When the wheels first touch the ground huge clouds of black smoke roll up from the lense heat and friction. The wheels for load when the spround huge clouds of the ground huge clouds of to have a dead stop to a terrific speed almost instantaneously. Average life of a tire under these conditions no matter how good is only between 50 and 75 landings and take offs, it was said.

Stepping into the superbomber for your first ride one is immediately awed by its great size. A murfiele forar commences and you realize the plane is beginning to taxi down the runway to get into position for a take off, As the speed of the taxir may come interested as a time of the plane and the crew chief remarks the pilot is applying the brakes to head around onto the main runway. Coming to a dead stop to the motors. All is quiet for a minute as the motors return to diling speed. There is a pause and the motors are turn you realize the plane is beginning to taxi down the runway to get into position for a take off, As the speed of the taxir may come the plane and the crew chief remarks the pilot is applying the brakes to head around onto the main runway. Com you are riding on a modern streamline train.

A squeal starts underneath the plane and the crew chief remarks the pilot is applying the brakes to head around onto the main runway. Coming to a dead stop the motors roar louder through the well insulated cabin. The plane feels like it is shuddering all over and trying to break loose, Your seat goes up and down slowly and then you realize the pilot is "reving" up the motors. All is quiet for a minute as the motors return to idling speed. There is a pause and then a great muffled roar linked with a feeling of released power as the pilot gives full throttle to start the take off.

Tensing in your seat and moving The plane stops and you follow the others out leaving your parachute with a ground crew member. Up front the plant steps out. You start forward to thank your pliot, Capt. Wilbur R. Britton, but see he is busy discussing the plane's performance with a member of the ground crew so, you do it mentally.

Taking one last look at the Superfortress, you probably took your first and last ride in, you wonder where it will be sent to knock out the Axis. Certain is your feeling though after seeing it perform that it will get the job done it was cut out to do. Tensing in your seat and moving your parachute to a more comfortable position you then realize you are on your way. Peeking out a blister the ground is moving by at a rapid clip. Soon the ground becomes a blur and starts to back away. Then you realize you are air borne in a B-29. Air currents and



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