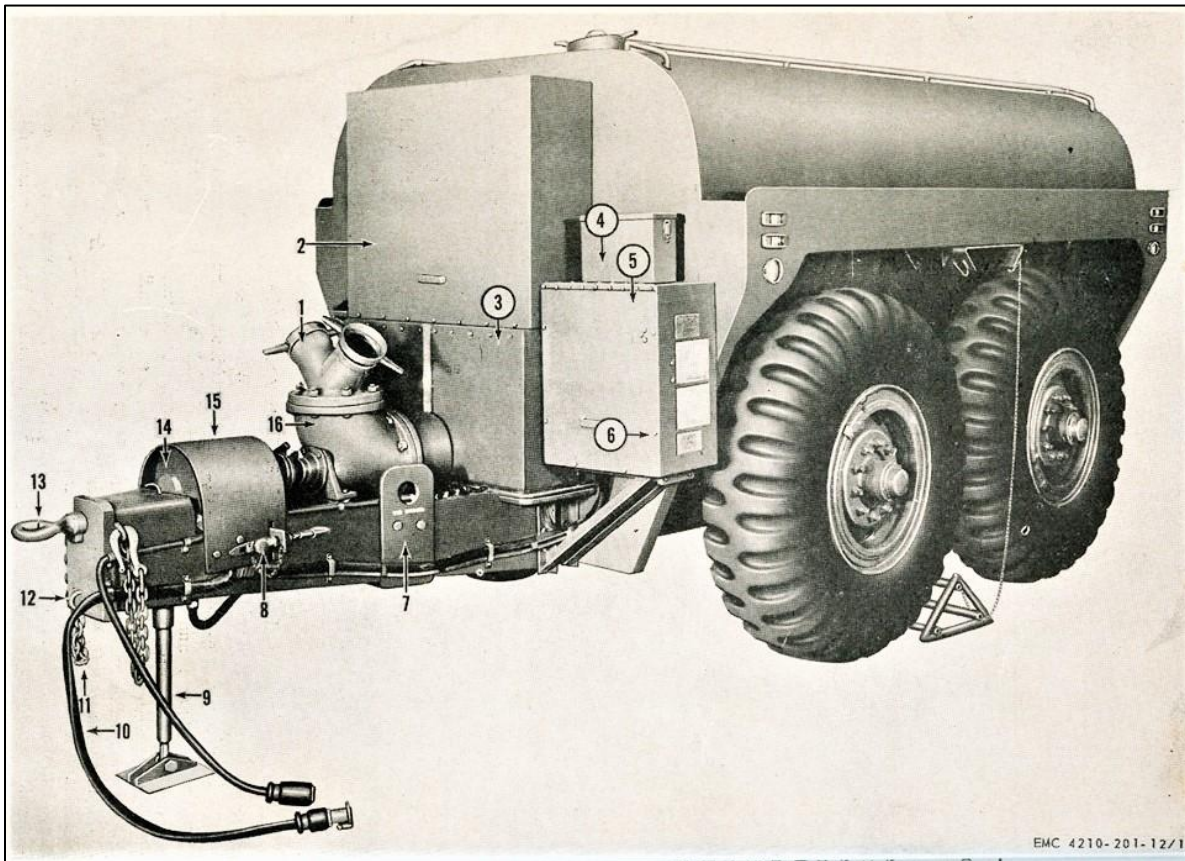


## Trailer, Fire Fighting, Pumper; Water Extinguishing Agent 1500 GPM Propeller Pump, Sabre Model TT-5110



*TM image*

The Sabre Fire Fighting Trailer was designed to be towed behind the Class 1500 crash trucks assigned to Army missile battery's to increase the trucks water capacity and were manufactured by Sabre Metal Products, Inc. The water, electrical, and airbrake systems were connected to, and operated from the crash truck. The aluminum water tank held 2,000 gallons of water and was divided into three compartments by two bulkheads, which served as baffles to prevent sudden shifting of the water load. The 1,500 gpm pump was driven by a 24 volt, 12 hp electric motor which was controlled from the crash truck via a slave cable. The trailer pump was entirely automatic. A float switch installed in the crash truck energizes the trailer pump when the water in the crash truck tanks drops to  $\frac{3}{4}$  full. Water is pumped through the two 5 inch suction connections at the rear of the truck. When the water tank is empty its float switch de-energizes the electric pump and the fire truck draws the balance of the water from the truck tank. If the rate of discharge from the fire pump is less than 1,500 gpm, surplus water from the trailer flows in the truck water tank. When the truck tank is  $\frac{3}{4}$  full the float switch will shut off the electric fire pump. There is no interruption in pumping when changing from one tank to the other, thus providing for an uninterrupted gallon discharge of 3,000 gallon discharge at the desired flow.

The trailer was equipped with an electric heater which circulated warm air throughout the interior of the trailer and warm water through piping in the water tank. The trailer jack was operated through a small hydraulic pump and the trailer was equipped with air brakes supplied from connections on the rear of the truck. Both crash truck and trailer were equipped with 16.00 x 25 floatation type military tires. Army records indicate only 8 of the fire fighting trailers were built.

