

R E S T R I C T E D

HEADQUARTERS
COMMUNICATIONS ZONE, ETOUSA
OFFICE OF THE CHIEF ORDNANCE OFFICER
APO 887

11 April 1945

ETO ORDNANCE TECHNICAL INTELLIGENCE REPORT NO. 220

SUBJECT: German Anti-Aircraft Guns Mounted on 8-ton Semi-Track Vehicle,
Sd. Kfz. 7

Observations by: Lt. R. E. Englert, Lt. G. F. Eppes and T/5 H. Jacobsen, Vehi
Ord. Tech. Intell. Team No. 3

1. GENERAL:

German 8-ton semi-tracked vehicles, Sd. Kfz. 7, mounting either the 3.7 cm Flak 43 or the 2 cm Flakvierling 38 have been encountered in the Third U. S. Army area. The normal body of the prime mover has been replaced with an armored cab and a flat bed which serves as a gun platform.

The chassis of the 8-ton prime mover has previously been used as a mount for the 2 cm Flakvierling (Sd. Kfz. 7/1) and the 3.7 cm Flak 36 (Sd. Kfz. 7/2). Neither of these vehicles were armored. The new armored version mounting the 2 cm Flakvierling has the designation Sd. Kfz. 7/2 and that mounting the 3.7 cm Flak 43, Sd. Kfz. 7/1.

2. CAB:

The front, sides, and rear of the cab are built with 7/16 inch armor plate and the top of the cab with sheet metal approximately 1/16 inch thick. Two hatch doors, 23 inches long and 18 inches wide, are built into the top of the cab, one above the driver and the other above the assistant driver. There is a rectangular opening, 19-1/2 inches high and 30 inches long, in the right side of the rear plate. A seat for the gun crew is built across the body in back of the rear plate, and the side armor is extended 20 inches beyond the rear plate to afford protection for the crew (Photo 2).

Four vision apertures are built into the cab, one in each door and two in the front plate. The vision aperture for the driver is 8-11/16 inches wide and 5-3/4 inches high, and that for the assistant driver is 12-9/16 inches wide and 5-3/4 inches high. The front apertures can be closed with sliding plates fitted with replaceable glass vision blocks and the side apertures with plain sliding plates (Photos 3 and 4).

The front plate of the cab is sloped at an angle of 45° and the upper half of the side plates at an angle of 30°. The radiator is protected by a "V" shaped armor plate which rests on the front bumper (Photo 3). The sides of the plate form an angle of approximately 30° with the bumper.

3. GUN MOUNTINGS:

The beds of the vehicles are covered with safety tread plate 3/16 inch thick and are fitted with hinged sides and tail gates which can be lowered to form a larger firing platform (Photos 1 and 2).

2/2/45

R E S T R I C T E D



Photo No. 1.
3.7 cm Flak 43 on
8-ton semi-tracked
vehicle, Sd.Kfz.
7/1



Photo No. 2.
2 cm Flakvierling
38 on 8-ton semi-
tracked vehicle
Sd.Ffz. 7/2. The
sides of the body
are shown lowered
to form the firing
platform. The seat
for the gun crew
at the rear of the
cab is folded up.



Photo No. 3.
Armored cab and
radiator shield.



Photo No. 4..
Interior of cab
showing vision
ports and escape
hatches in cab top.



Photo No. 5
Support and holding
jack for right front
outrigger of 3.7 cm
Flak 43.

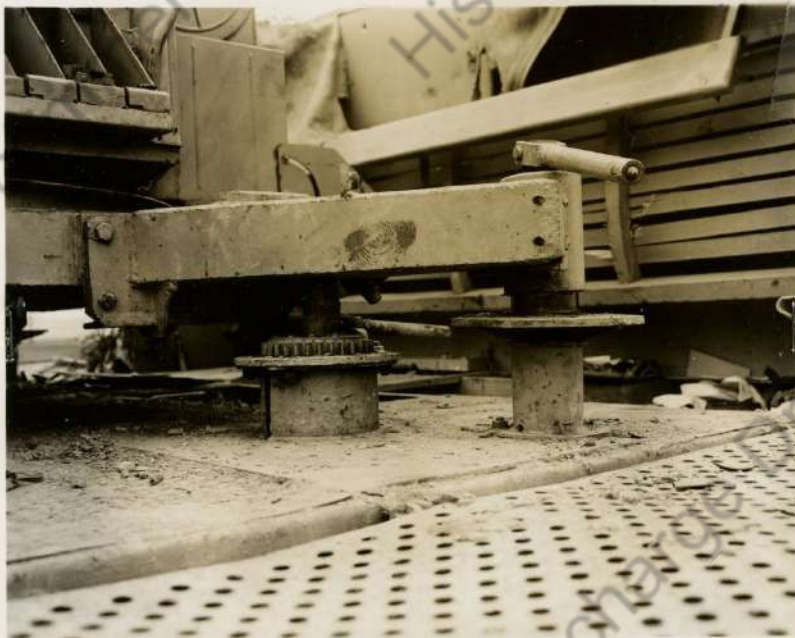


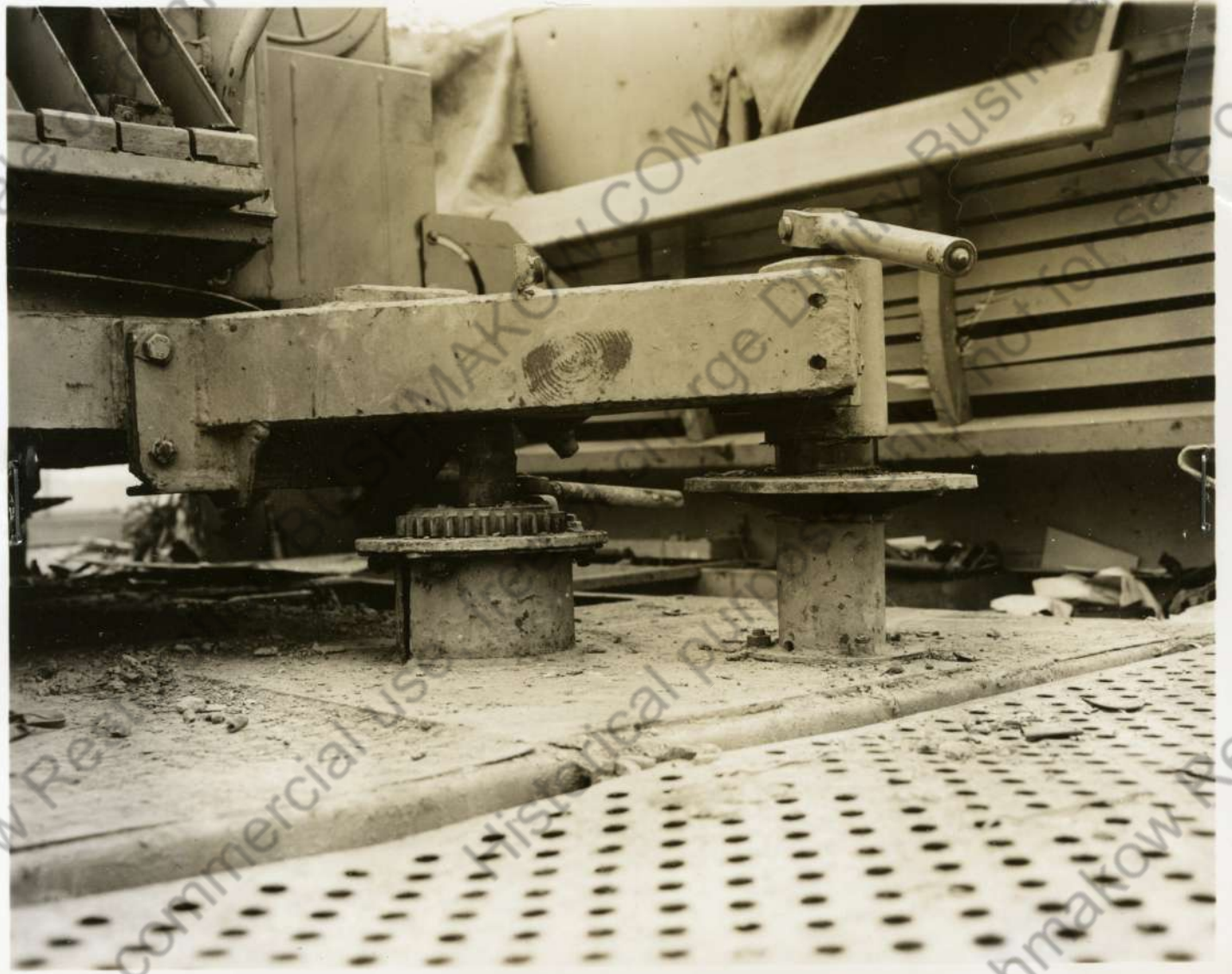
Photo No. 6.
Support and holding
jack for right front
outrigger of 2 cm
Flakvierling 38.



akow Restoration BUSHMAKOW.COM not for sale or commercial use, free of charge Dmitry Bushmakow Restoration only, not for sale or







R E S T I T U T E