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HEADQUARTERS
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ETO ORDNANCE TECHNICAL INTELLIGENCE REPORT NO. 217

SUBJECT: German Semi-Trackted Tractor, SWS, with Armored Cab

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Team No. 3

1. GENERAL:

A German 8 ton semi-trackted military tractor (Schwerer Vermachtschlepper) with an armored cab replacing the open cab and provision for mounting an AA gun on the body has been encountered in Germany. The unarmored tractor is described in ETO Ordnance Technical Intelligence Report No. 175. Additional information on the chassis has been obtained and paragraphs 5, 6 and 7 of this report apply to both the armored and unarmored vehicles.

2. DATA:

a. The following information was obtained from the vehicle nameplate:

Type	SWS
Chassis No.	15056c
Motor No.	534859
Horsepower	100
R.P.M.	3000
Piston displacement	4198 c.c (246 cu. in.)
Weight empty	10700 kg. (23.6 U.S. tons)
Payload	3400 kg. (6.5 U.S. tons)
Front axle load	2000 kg. (4.4 U.S. tons)
Track load	12100 kg. (26.6 U.S. tons)
Trailer load	8000 kg. (17.6 U.S. tons)

b. Overall dimensions

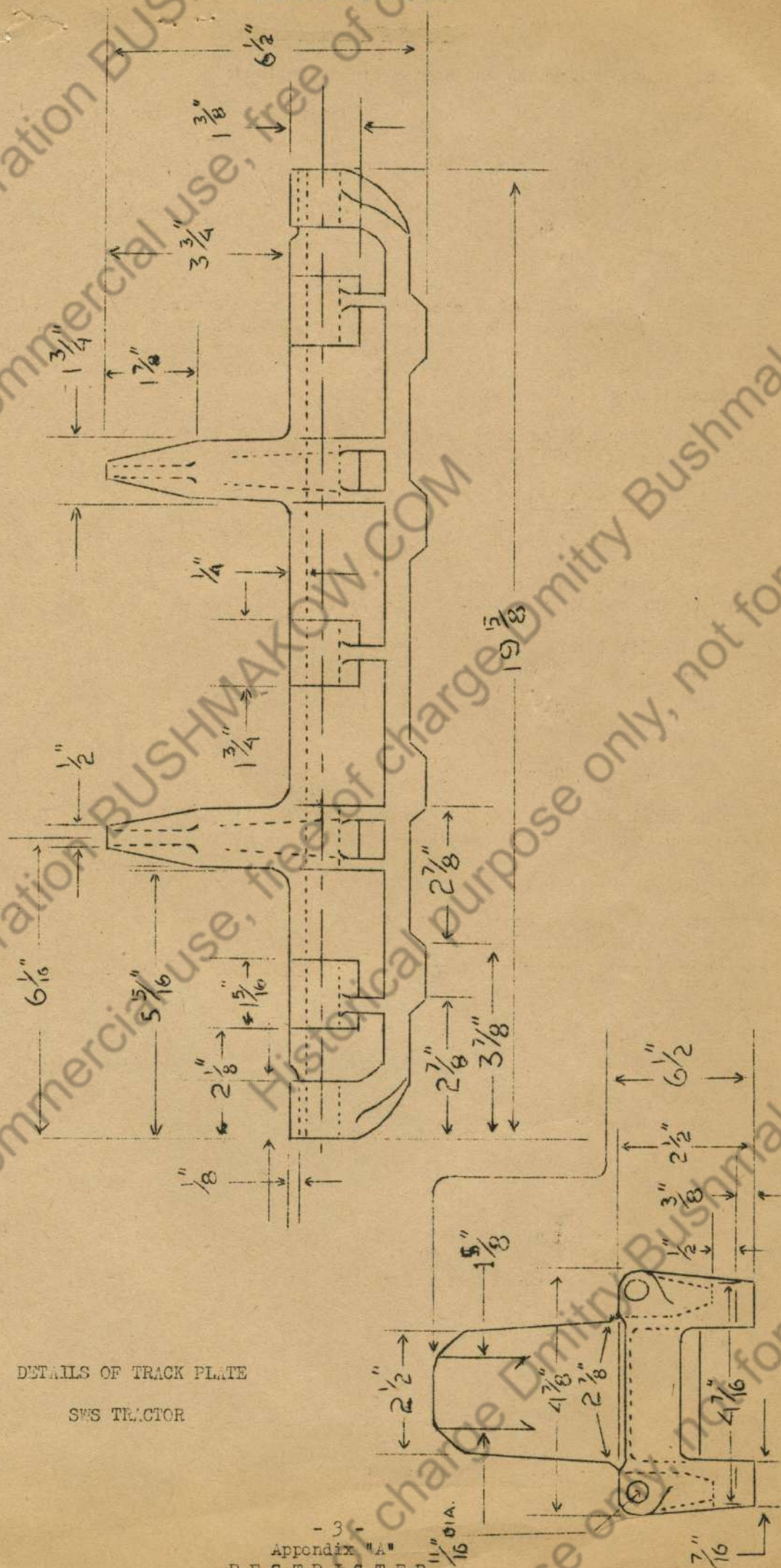
Length	23 ft.
Width	8 ft. 2 in.
Height	7 ft. 6 in.

3. ARMORED CAB:

a. The engine, radiator and driver's compartment are protected by a cab made of light armor plate (Photo 1). The engine compartment deck consists of two flat plates hinged at the outer sides, the left plate having ventilation louvers built into the rear half. The entire top of the engine compartment is bolted in place whereas the rest of the cab is of welded construction. The dashboard separating the engine and driver's compartment is made of 16 mm (5/8 in.) armor plate providing additional protection from frontal attack. Two shuttered vision ports, 9 in. wide by 2-1/2 in. high, are provided in the driver's front plate and are fitted with replaceable glass vision blocks. An opening, 12 in. high by 9-3/4 in. wide, in the left side plate and one 7 in. square in the right side plate permit side vision. Their cover plates are pivoted at the lower rear corner and may be opened and closed from inside the cab.

A rectangular hatch, 17-1/2 in by 22-3/4 in., is located in the cab top above the assistant driver's seat and is closed by two half-doors (Photo 1).

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DETAILS OF TRACK PLATE

SWS TRACTOR



Photo No. 1.
SWS tractor with
armored cab.
Escape hatch in
top of cab and
vision ports are
shown opened.



Photo No. 2.
Body and crew
seat. Note the
tubular uprights
for mounting an AA
gun and the gears
and pinions for the
leveling jacks.



Photo No. 3.
Driver's controls.

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