









СРЕЙНА

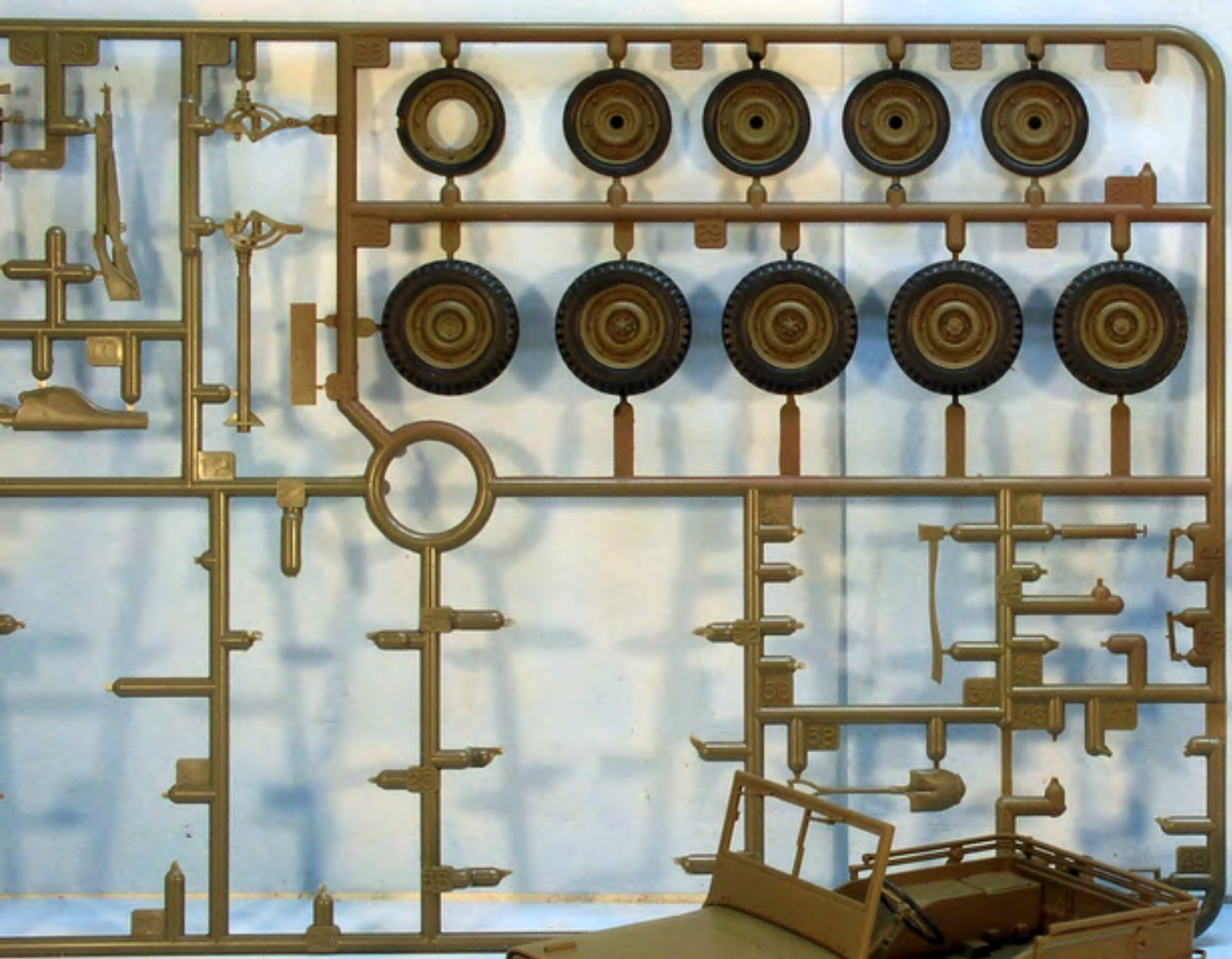


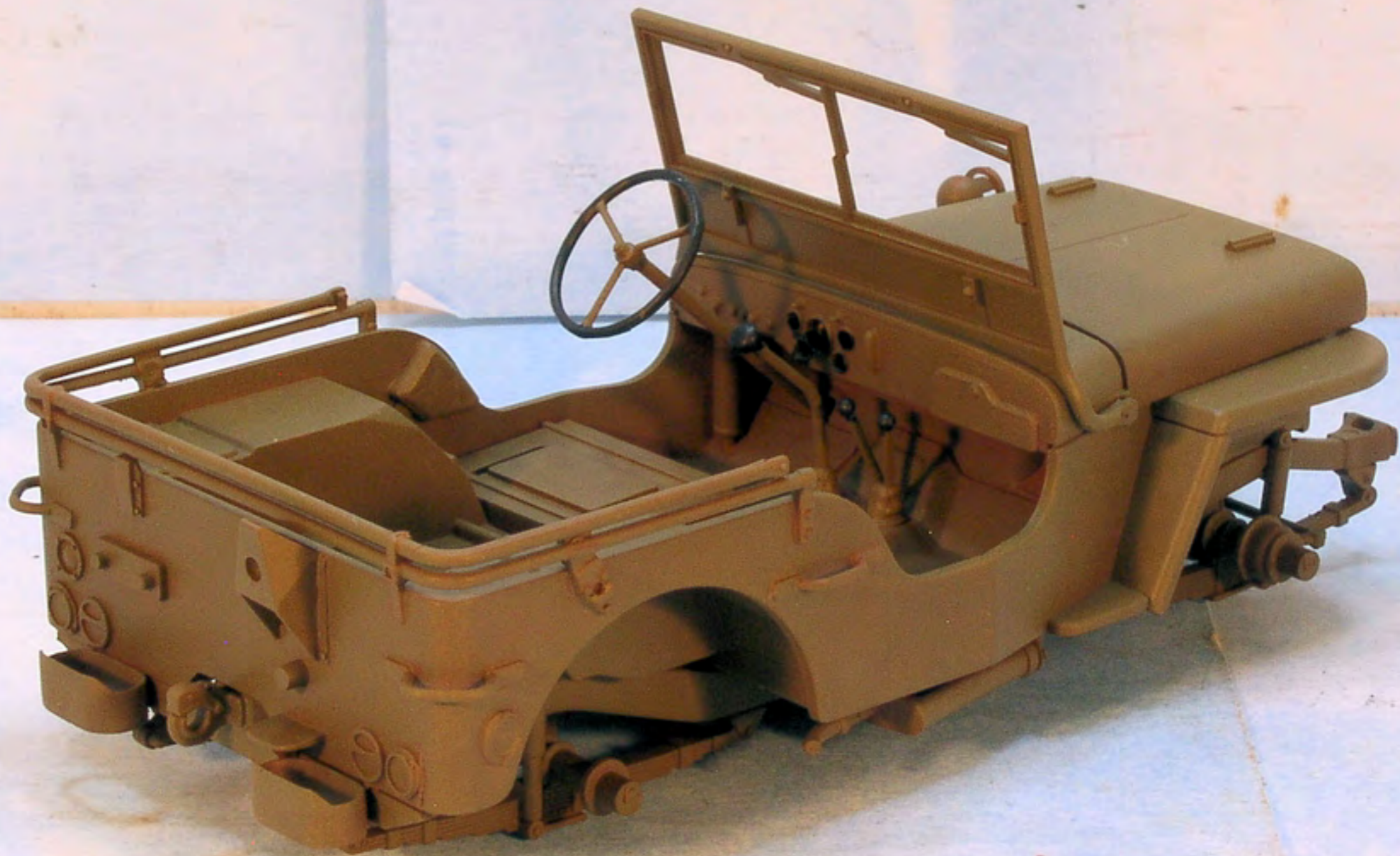












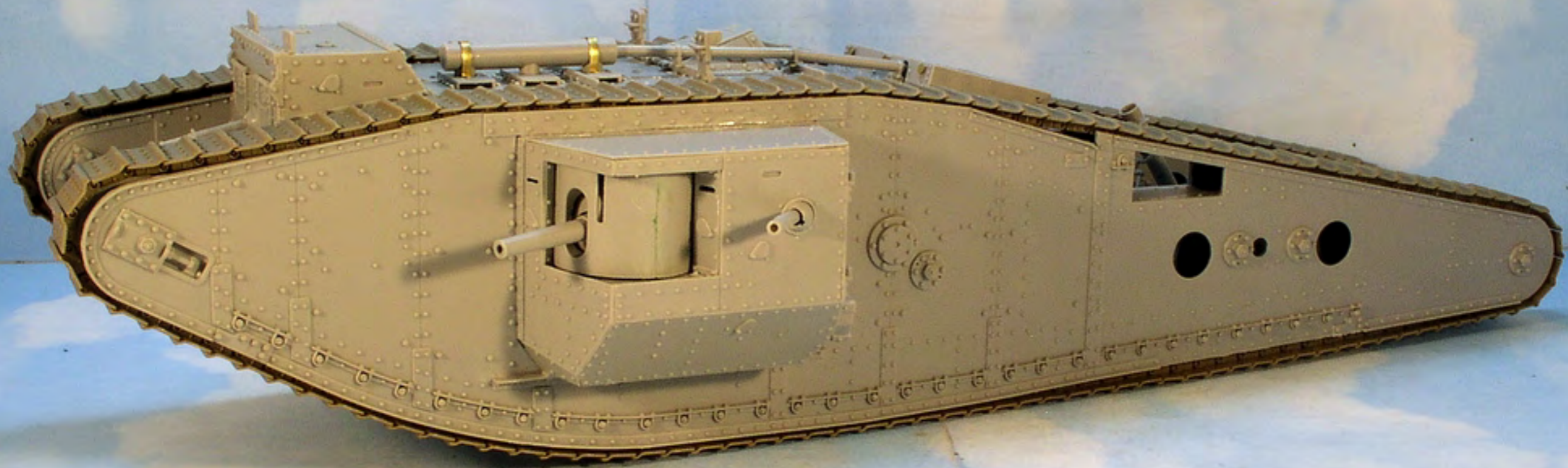


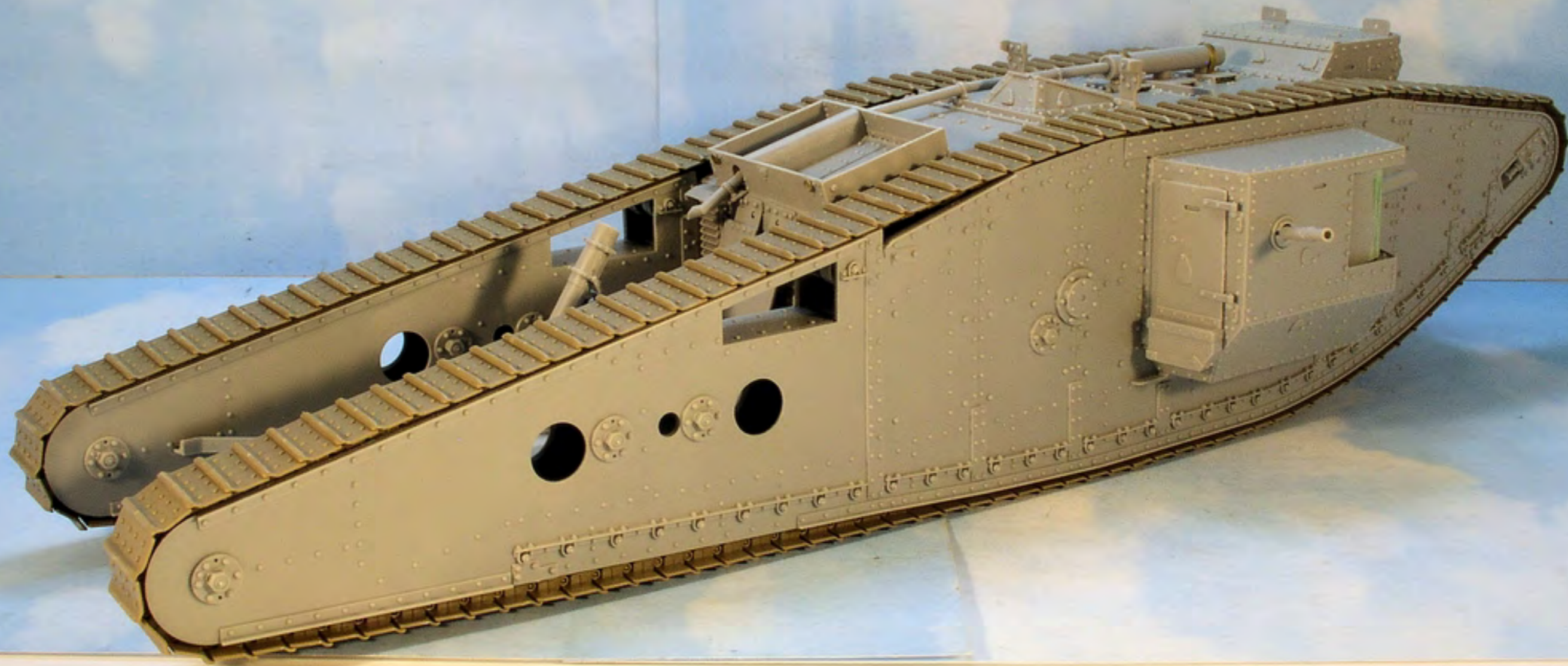




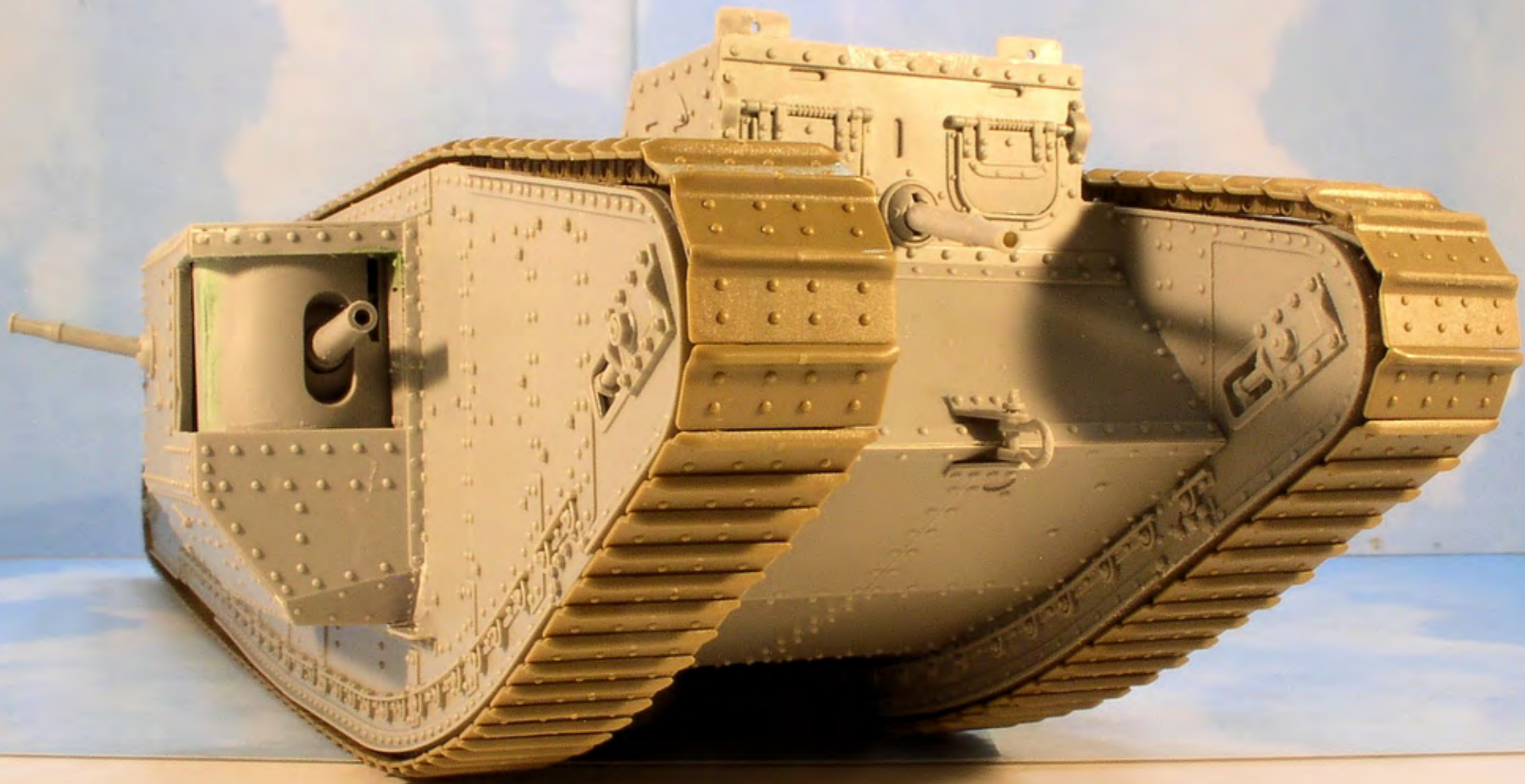
























500gal Collapsible Fuel Drum
("Blivet")

Check Valve



Barnes Model 9117CA
50gpm Fuel Pump



50gpm Fuel Filter /
Water Separator

Discharge Nozzle

**Vietnam War Era:
Field Fueling Station**







Scratch Building Introduction

- Agenda for evening
- Scratch
- Understanding Plans and Drawings
- Scale
- Next Steps
- Model Plan
- Modeling
- Key Details / Techniques
- Resources in the Craft room/downloads

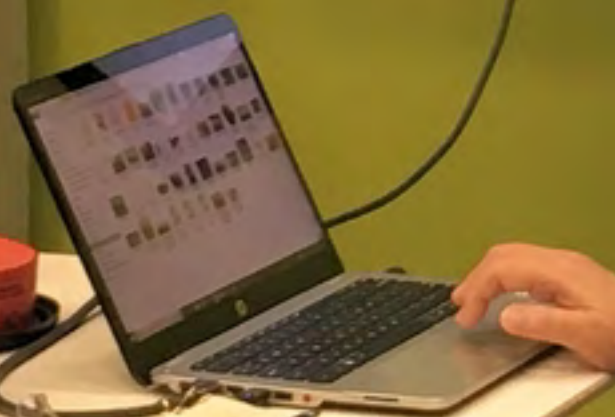
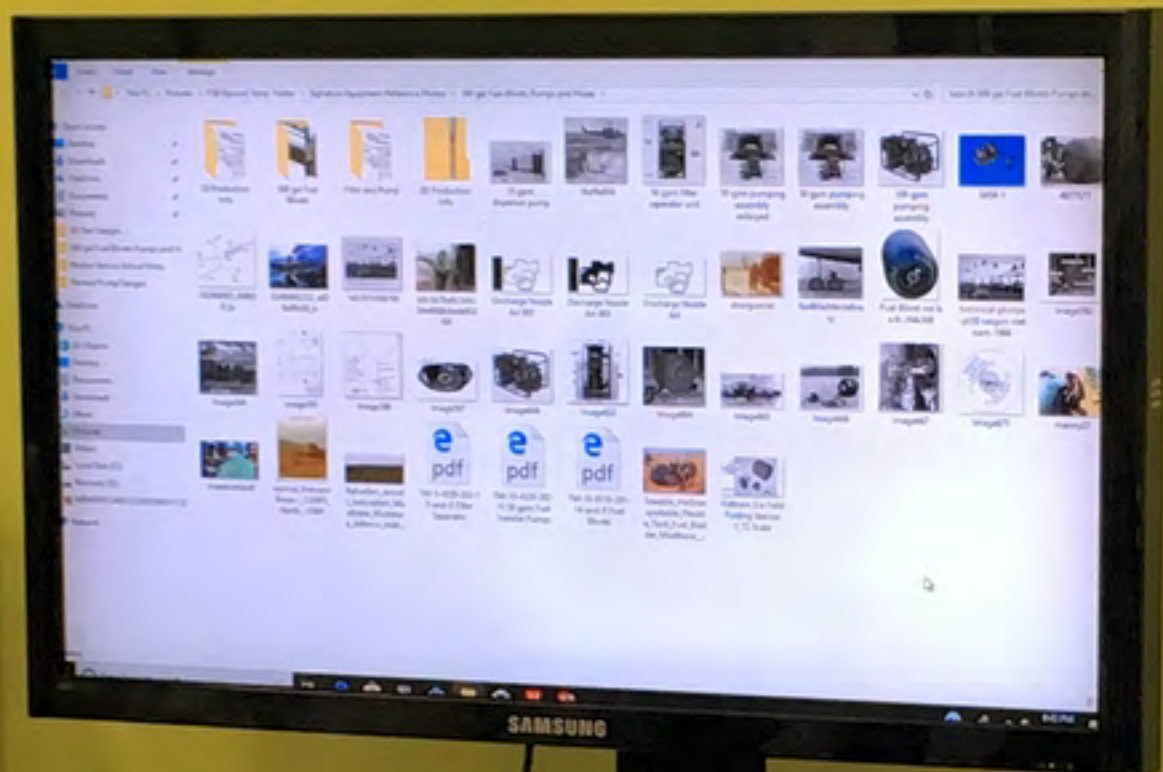


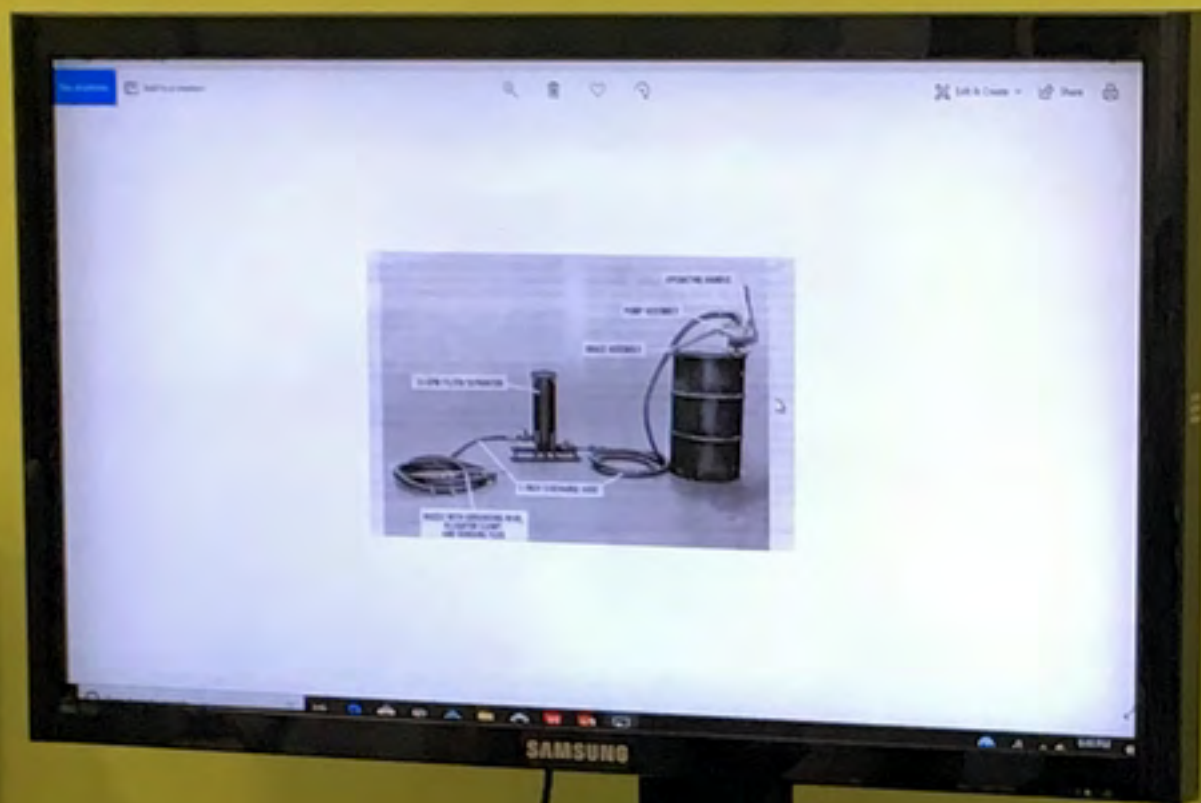
Scratch Building - Introduction

- Agenda this Month:
Research
Interpreting Plans and Drawings
Scale Math
- Next Month:
Basic Tools
Materials
Basic Methods / Techniques
(Hopefully be in the craft room downstairs)

Soviet T-28 Light Infantry Tank Mod. 1936/1937

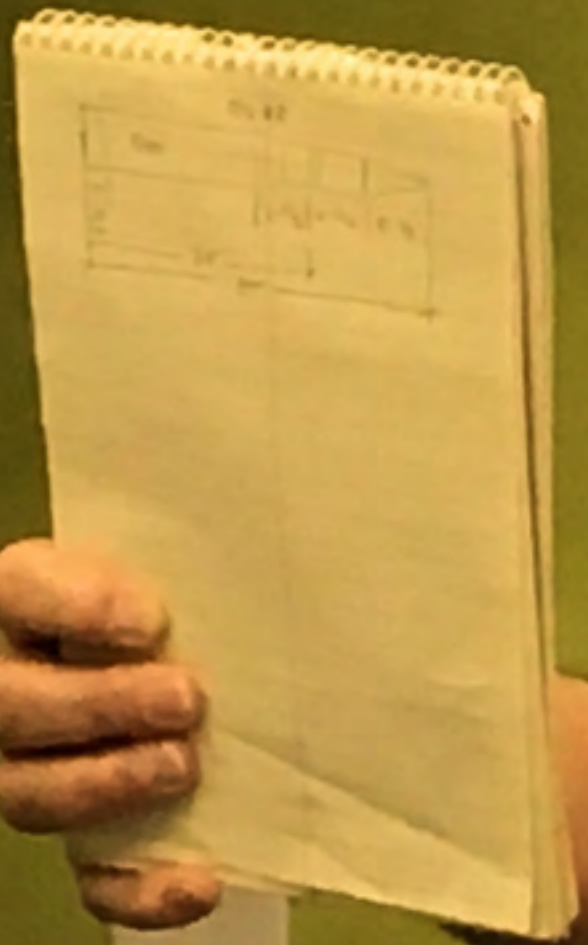




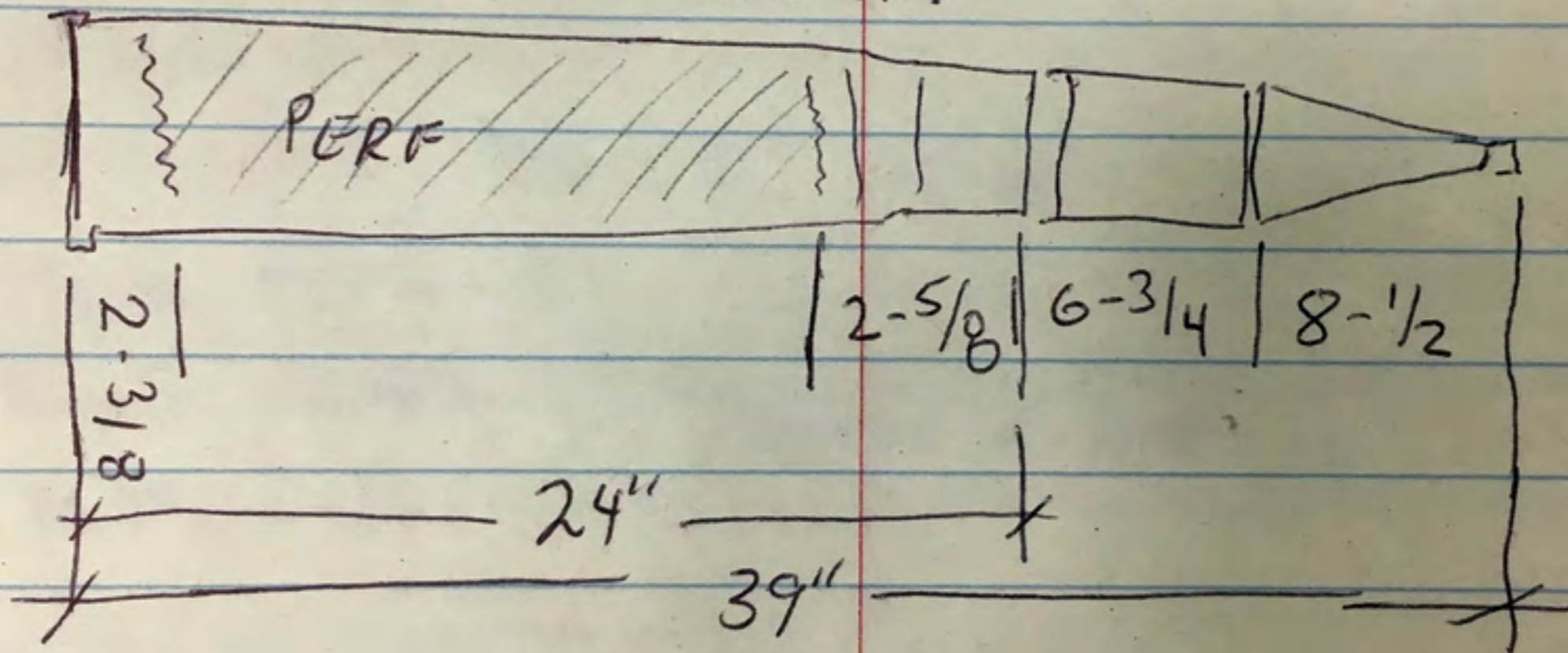




2016 AMPS
The Great War



106 RR



"Longie" Drum

(4) Dimensions and Weight (Filled):
(A) Part No. 13216E9172.

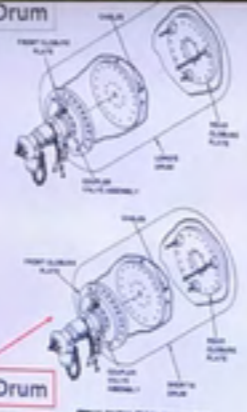
Length.....	8 ft. 9 in. (268 cm)
Diameter.....	3 ft. 10 in. (117 cm)
Weight (W/Case/Load).....	3787 lb. (1696 kg)
Calage.....	70 ca. ft. (130000 ca. in.)

(B) Part No. 13216E9170.

Length.....	8 ft. 9 in. (268 cm)
Diameter.....	4 ft. 8-1/8 in. (138 cm)
Weight (W/Case/Load).....	3787 lb. (1696 kg)
Calage.....	70 ca. ft. (130000 ca. in.)

"Shortie" Drum appears to be the most common in use in Vietnam

"Shortie" Drum



To Find Scale Length:
 Prototype Length = 5'-2"

$5 \times 12 + 2 = 62"$

$62 \times 25.4 = 1,574.8 \text{ mm}$

$1,574.8 / 35 = 44.99 \text{ mm scale length}$

To Convert 1/35 to 1/72:
 $44.99 \times 35 = 1,574.8 \text{ mm}$

$1,574.8 / 72 = 21.87 \text{ mm scale length}$



Workstation area containing a laptop, a mouse, a pen, and some papers on a white desk.



"Longie" Drum

(A) Dimension and Weight (Piled)

(a) Part No. 1221220172

Length..... 68.8 in. (200 cm)
 Diameter..... 28.2 in. (717 mm)
 Weight (Gross)..... 27075 (2000 kg)
 Collage..... 70 in. 8. (2200 mm. in.)

(b) Part No. 1221220176

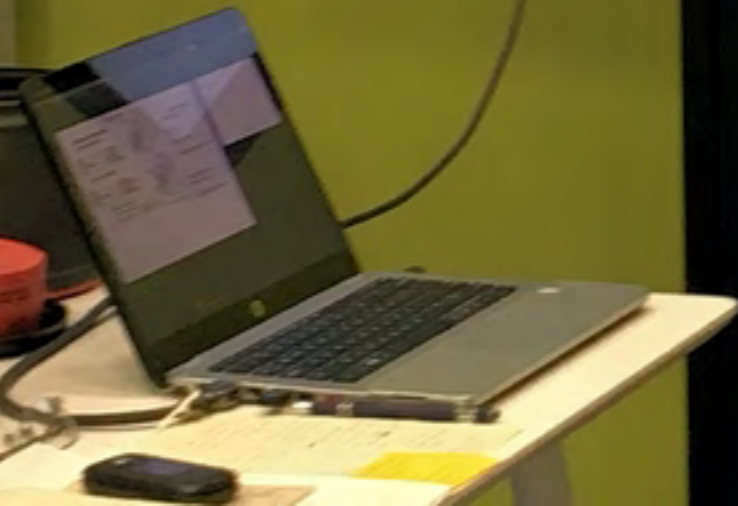
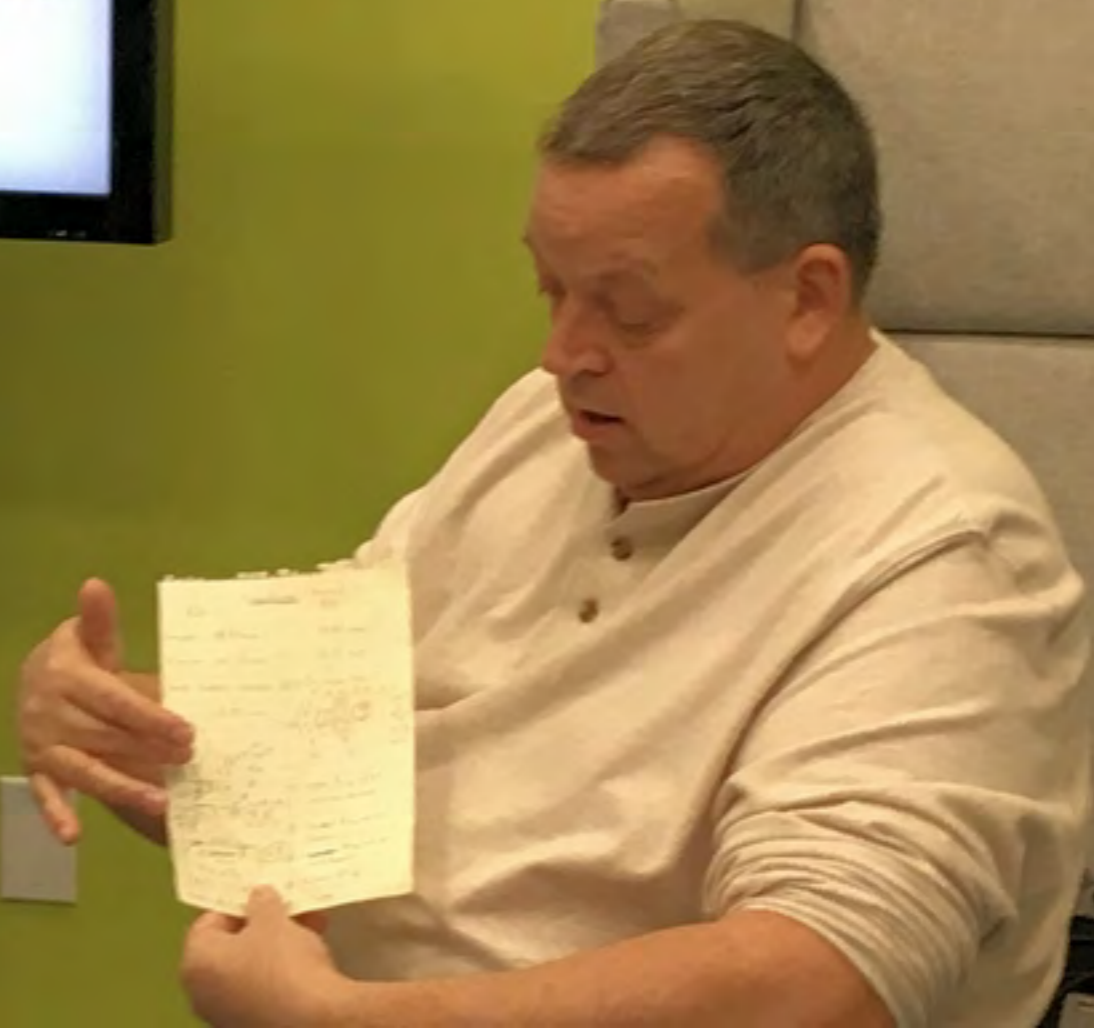
Length..... 68.8 in. (200 cm)
 Diameter..... 48.5 in. (1230 mm)
 Weight (Gross)..... 27075 (2000 kg)
 Collage..... 70 in. 8. (2200 mm. in.)

"Shortie" Drum appears to be the most common in use in Vietnam

"Shortie" Drum

To Find Scale Length:
 Prototype Length = 5'-2"
 $5 \times 12 \times 2 = 62"$
 $62 \times 25.4 = 1,574.8 \text{ mm}$
 $1,574.8 / 35 = 44.99 \text{ mm scale length}$

To Convert 1/35 to 1/72:
 $44.99 \times 35 = 1,574.8 \text{ mm}$
 $1,574.8 / 72 = 21.87 \text{ mm scale length}$



Fuel Blivet (Shortie)

4/35

4/72

Length 44.85 mm

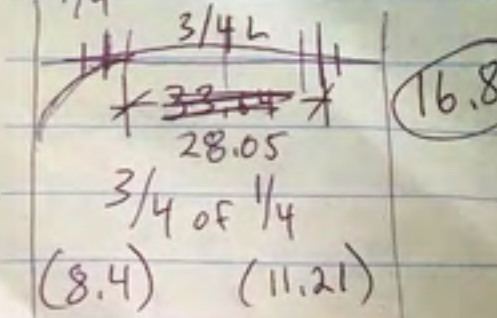
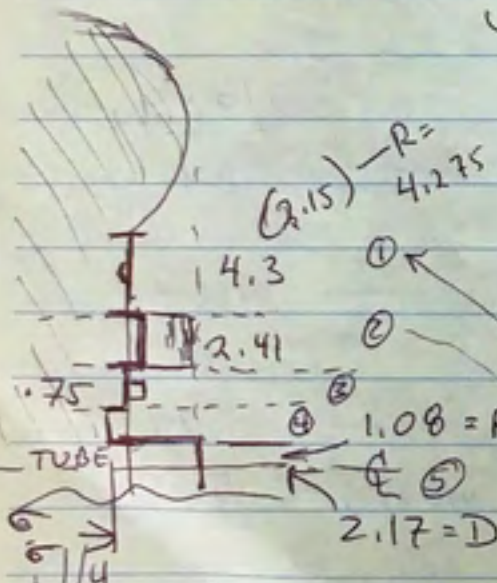
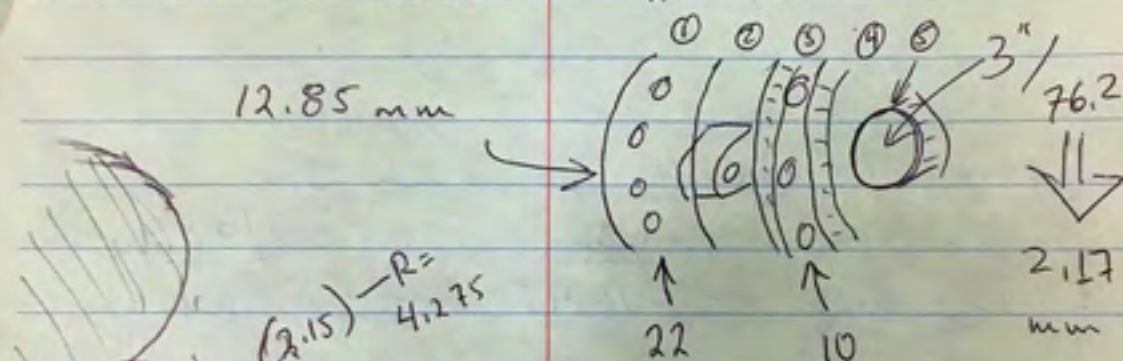
21.80 mm

Diameter 38.57 mm

18.75 mm

END PIECES OUTSIDE DIA $\approx \frac{1}{3}$ TOTAL Dia =

12.85 mm



① - Outer Ring w/ 22 sunken screws

② - Raised Ring w/ 16 Clevises

③ - ~~Sunken~~ Ring w/ 10 Bolt heads

④ - Sunken Ring

⑤ - Tube

Overall R = 19.285



Scratch Building: Scale Math

- What does scale mean?
- Converting "real" dimensions to scale.
- Converting one scale to another scale.
- Measuring tools and units of measure:

I use metric because the math is easier – all decimals, no fractions.

To convert inches and feet to metric the only conversion factor you need to know is $1" = 25.4\text{mm}$ (exactly!)

Your standard of accuracy is your own. I try to measure and build to the nearest .1mm.

Soviet T-26 Light Infantry Tank Mod. 1936/1937

Mermites

Closed

	<u>1/35</u>	<u>1/72</u>
32.90 long	16.45	8.00
17.05 wide	8.50	4.14
23.95 Tall	11.98	5.83

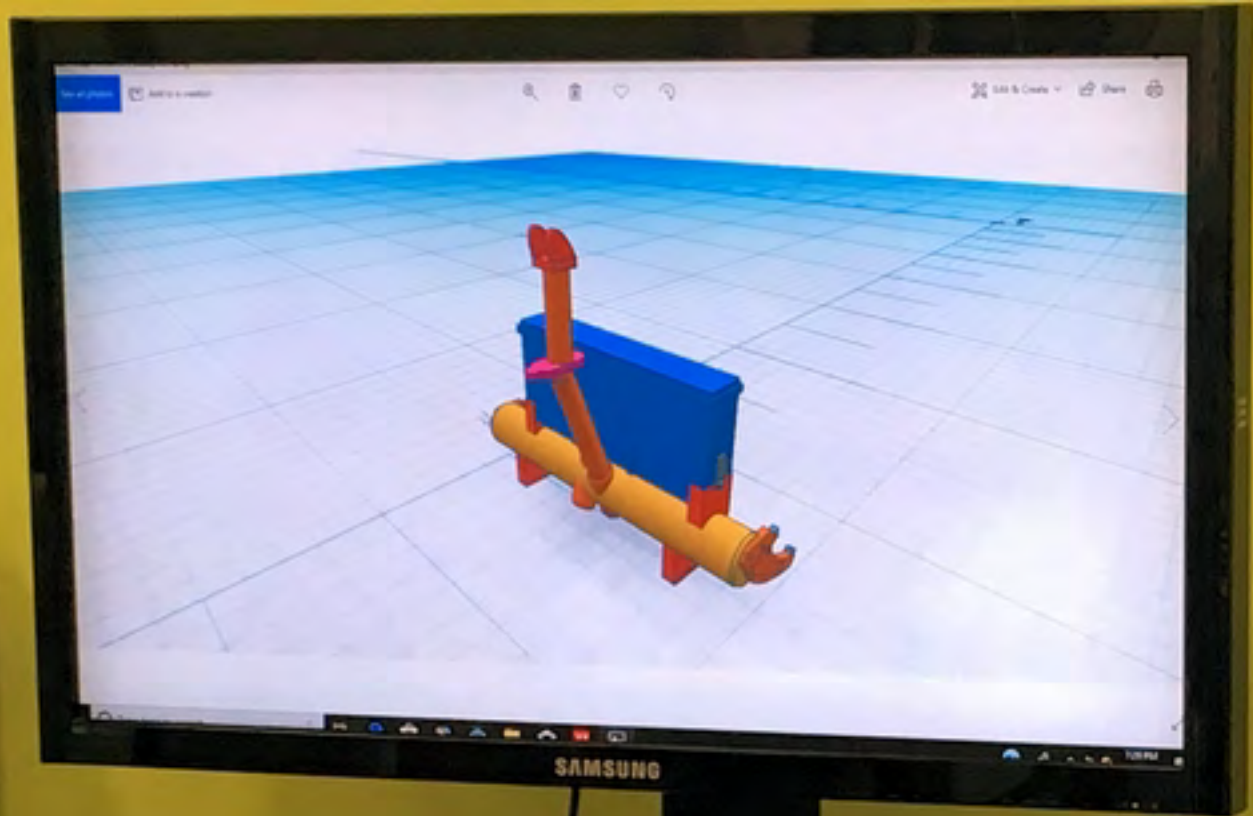
Open w/containers

	<u>1/35</u>	<u>1/72</u>
32.90 long	16.45	8.00
19.24 wide	9.62	4.68
21.75 tall	10.88	5.29
	(10.80 w/out)	5.25

Inner Containers (set)

	<u>1/35</u>	<u>1/72</u>
25.78 long	13.90	6.75
8.92 wide	4.46	2.17
18.45 tall	9.23	4.50













The replaceable pad 1028 track mechanism by P&C is shown in the number of the right and for photograph below



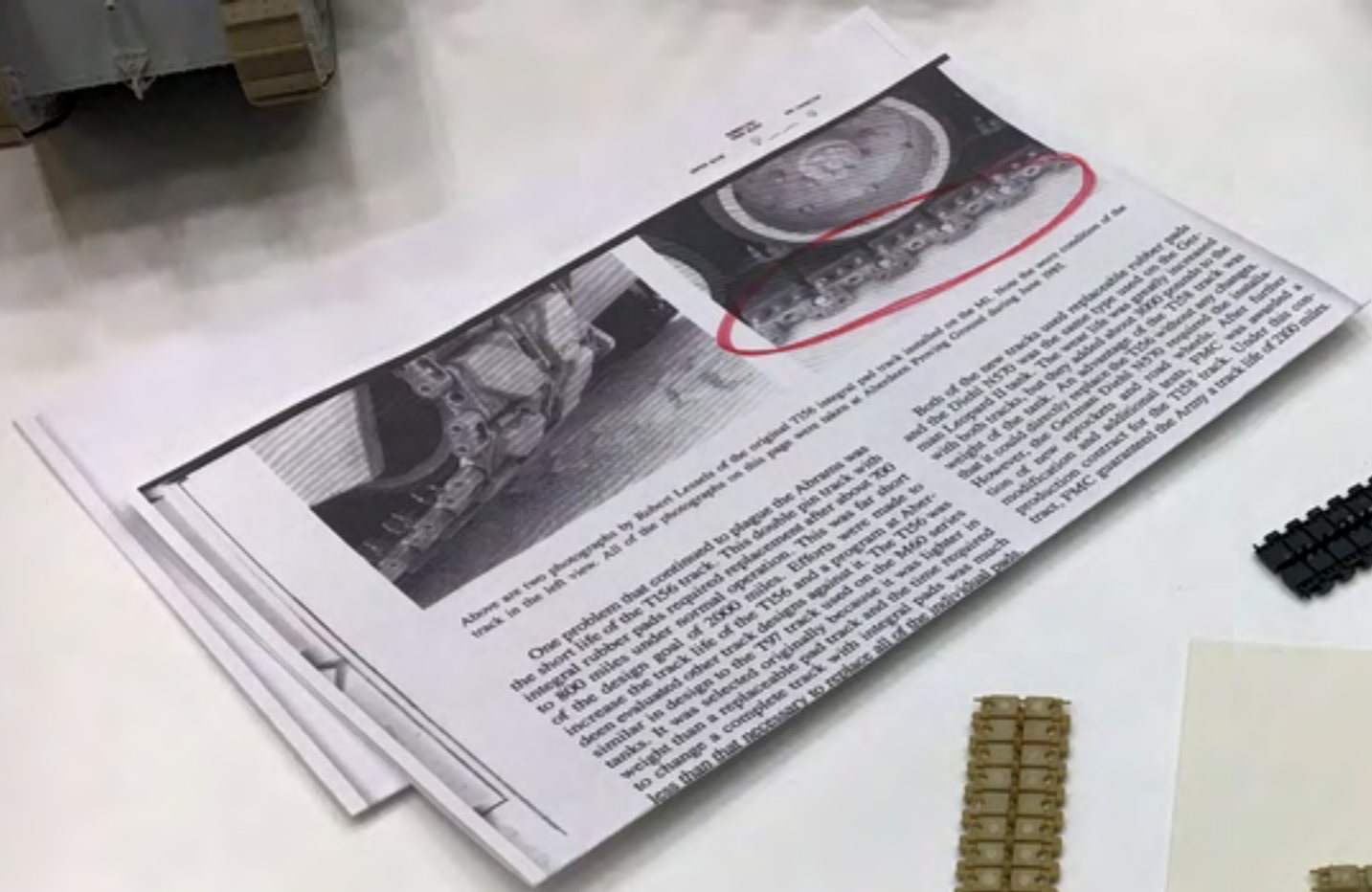
weight for the 1017 track, used on the M40 series tanks. It was selected originally because it was lighter in weight than a replaceable pad track and the time required to change a complete track with integral pads was much less than that required to remove all of the individual pads.

However, the General Dynamics 1028 without any change in the size of the sprockets and track wheels. After further production and additional tests, P&C was awarded a contract for the 1028 track. Under this contract, P&C guaranteed the Army track life of 200 miles.



1028







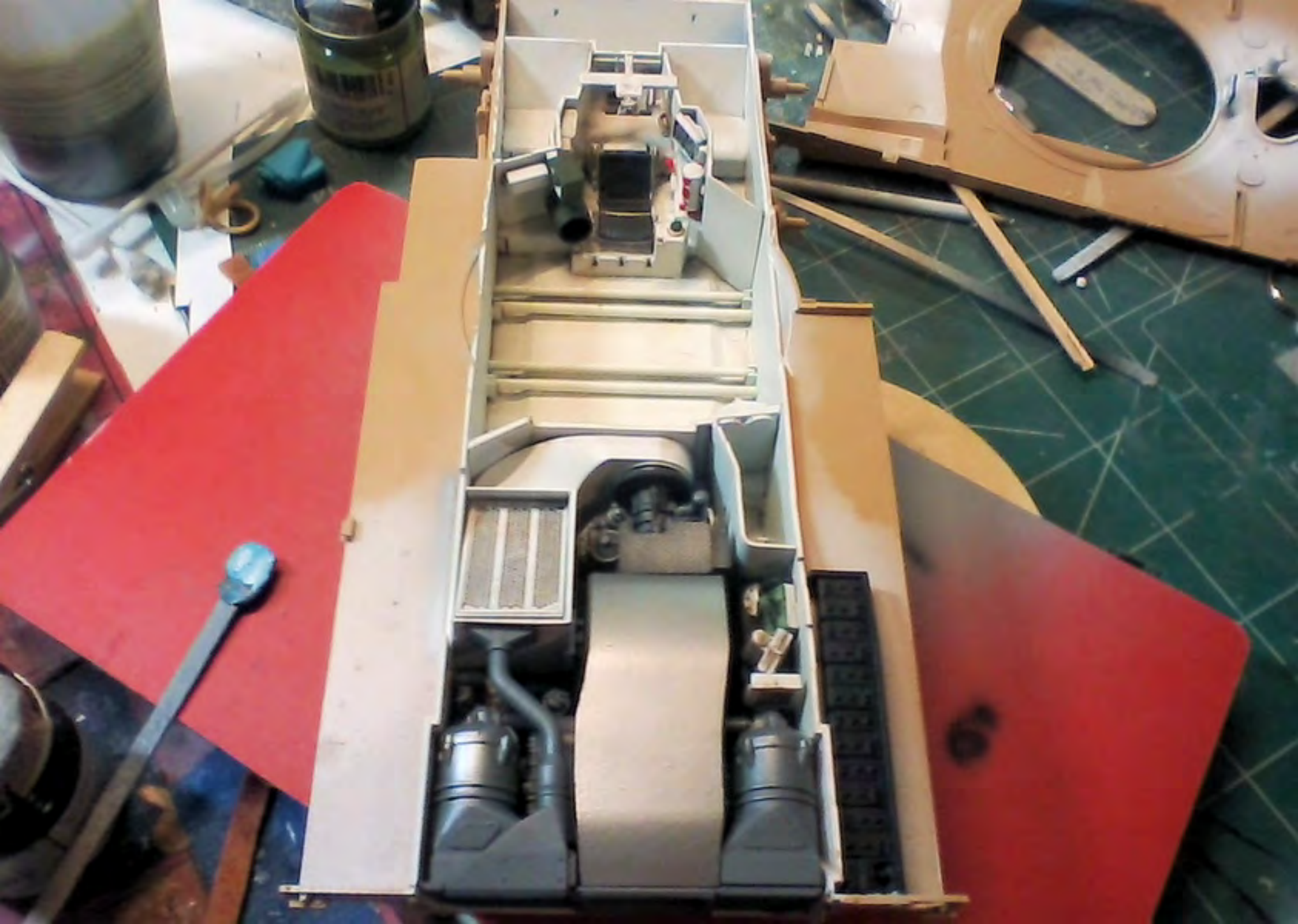


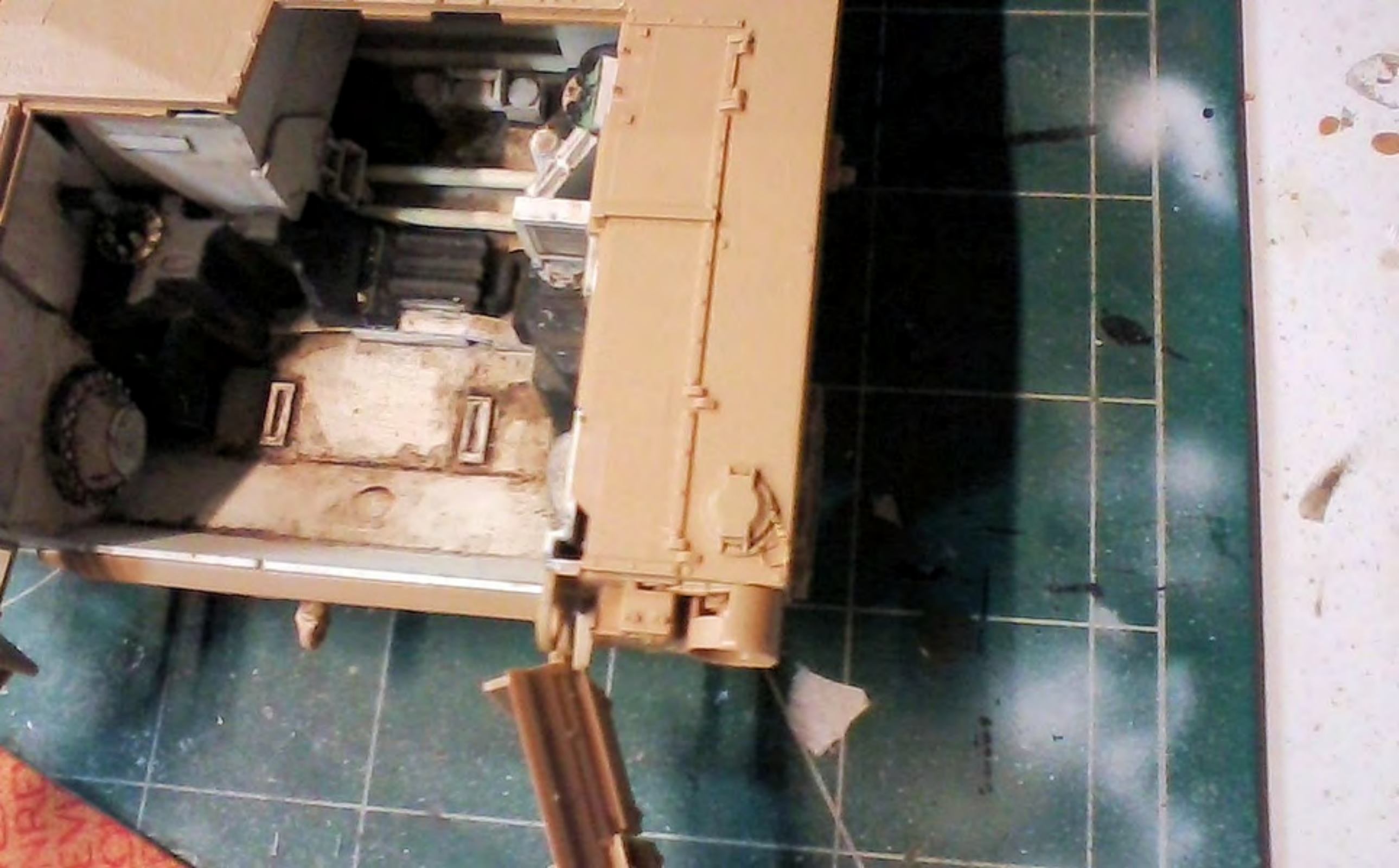








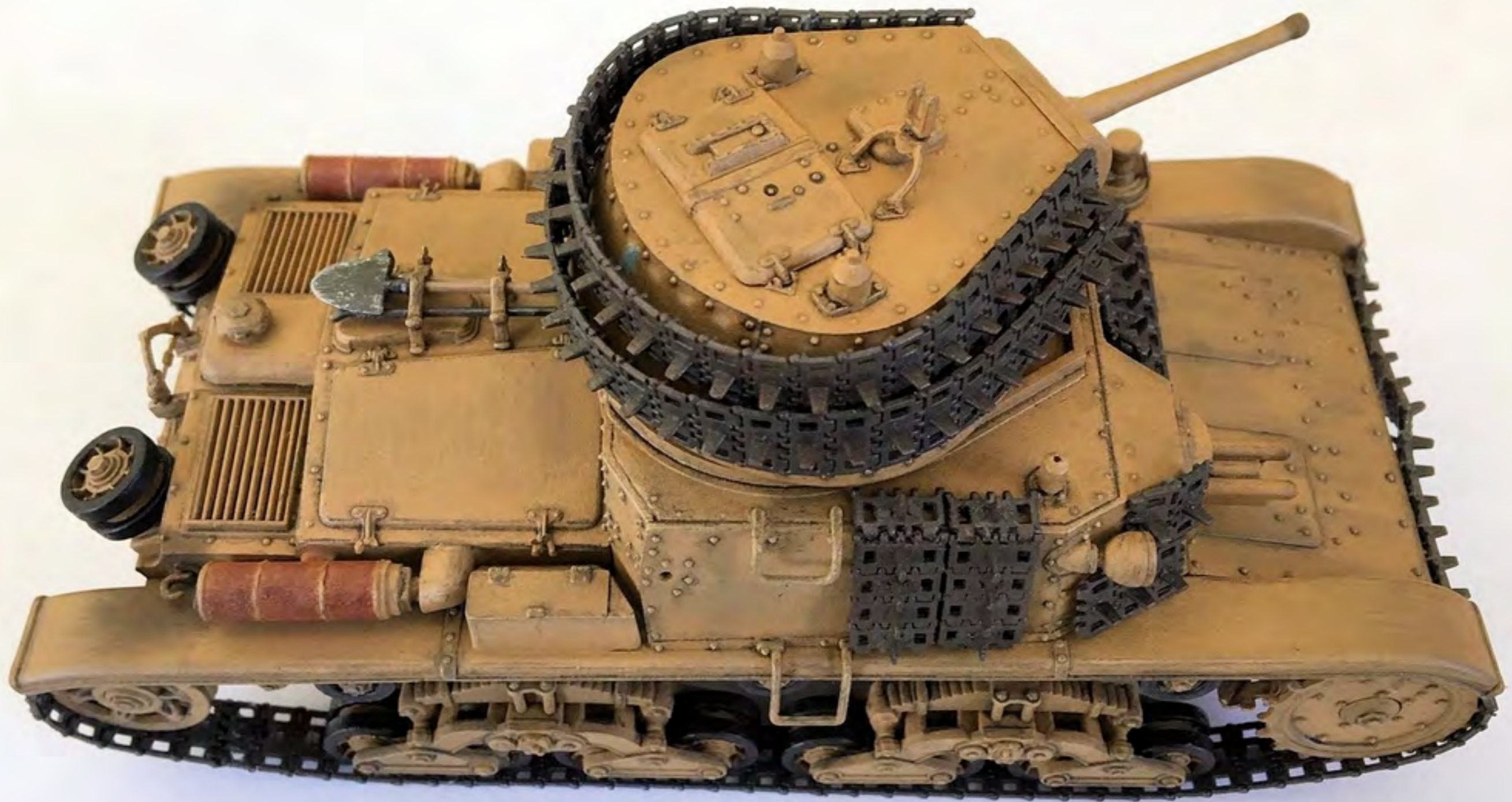












14FEB19 Meeting:

1. Panther Ausf. A, w/ Zimmerit & Full Interior (Takom + Fruii metal tracks), 1/35 – Tom Wingate
2. Type 69 Iranian (Tasca + RB Model metal Barrel), 1/35 – Dave Varettoni
3. BEF Matilda Mk. II (Tamiya + Tiger Models conversion, Archer Transfers, DML Figures), 1/35 – Tim Darrah
4. Up-Armored M4A3E8 Sherman (Tamiya + Paper Panzer Productions conversion, Firestorm Models & Tamiya Figures, added Side Armor w/ plastic card), 1/35 – Tim Darrah
5. Jeep Willys MB, ¼ ton 4X4 Truck (Tamiya), 1/35 – Trevor Edwards
6. AMX-13/90 (Takom), 1/35 – Ben Brandes
7. StuG IV Sd.Kfz. 167 (Early Version) (Academy new), 1/35 – Ben Brandes
8. Mark IV Tadpole WWI Heavy Tank (Takom), 1/35 – Ben Brandes
9. German Self-Propelled 10.5cm Howitzer Sd.Kfz. 124 Wespe, Italian Front (Tamiya), 1/35 – George Reasor
10. Vietnam War Era Field Fueling Station (3D Printed), 1/35 & 1/72 – Mike Roof
11. US Army Vietnam War Era Mermite Hot & Cold Food Containers, 12' SIGINT Connex, Field Fueling Station (3D Printed), 1/72 – Mike Roof
12. M156 Tracks (for M1 IP Abrams MBT) (Panda-Hobby & Trumpeter), 1/35 – Carl Wethington
13. 761st Tank Battalion M4A3 (76) W Sherman - "Black Panthers crossing the Sigfried Line" (Asuka + Tamiya tracks, Hornet African American heads on Mini Art tank crew figure set, Mini Art MP figure, Verlinden sandbags, Aber metal barrel, some PE scattered about, DioDump Dragon's Teeth), 1/35 - Daniel Buchmeier (e-mailed before the meeting)
14. M1A2 Abrams Main Battle Tank, with Full Interior (Rye Field Model #RM-5007 2-in-1), 1/35 – Daniel Karnes (e-mailed before the meeting)
15. Italian M14/41 (Italeri mid-1970s M13/40 kit, original rubber-band tracks added as up-armor to turret and hull, A-M Tracks), 1/35 – Dave Cicimurri (e-mailed before the meeting)

RAFFLE: Hobby Boss's 1/35 scale "Soviet T-26 Light Infantry Tank Mod. 1936/1937", kit #83810, won by George Reasor.

HOBBY BOSS

Soviet T-26 Light Infantry Tank Mod.1936/1937

ソビエト T-26 軽戦車 1936/1937 年型

苏联T-26轻型坦克1936/1937年

Length: 132.2mm

Width: 70.7mm



1:35

SCALE
Model Kit

AGES 14 +

Designed to be built by adult collectors to assemble.
Actual model may vary from image on box.
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Fulotta 14