

0931

Declassified E.O. 12356 Section 3.3/NND No.

785020

ACC

10000 120 940

EME /
opened
Jan. 190

Declassified E.O. 12356 Section 3.3/NND No.

785020

10000 / 120 / 940

EME / 1702

EME (I's)

Opened Jan 21, 1945 - Closed Jan 18, 1946

Jan. 1945 - Jan 1946

0933

Declassified E.O. 12356 Section 3.3/NND No. 785020

1702

B/F 30^H JAN

8456

Repeat this with
new date and print
"Ref was ENG 1702 of 1454
18 JAN and 22 JAN."

0934

Declassified E.O. 12356 Section 3.3/NND No. 785020

MESSAGE FORM

DATE/TIME OF ORIGIN

22 1146 A

FROM : DMIA

TO : AFHQ

DECLASSIFIED

EMB/1702 (.) FOR DME (.) REF OUR EMB/1702
OF 14 DEC AND 18 JAN (.) NUMBER OF EMB RB
(TELECOM) RECEIVED IN QUADRUPLICATE (.)
HAVE THESE BEEN DISTRIBUTED TO MEUS SEPARATELY

PRECEDENCE 8455 IMPORTANT

AUTHENTICATION

Capt
RECE

R
22/1146

0935

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject :- EME I's - Distribution.

24

Land Forces Sub Comm,
A.C.(M.M.I.A.)
ROME
EME/1702

18 Jan.46.

To : D.M.E.

A.F.H.Q.

Attached is a further copy of our EME/1702 of the
14th Dec.45, to which no answer has been received to date.
Nor have any of the HQU's received any EME I's. Could you please
give this your attention.

WSR/ir

W.F. Rall
Capt,
A.F.H.Q.
for A.D.M.E.
Land Forces Sub Comm.A.C.(M.M.I.A.)

8454

0935

Declassified E.O. 12356 Section 3.3/NND No. 785020

RECEIVED 14 JAN 46
348

1702

27

TRACED ON 365

ME/1A/1127

Hi Jan 46

CENTRAL HEADQUARTERS
Central Information Force
RANGE

Reur

Subject:- REUR Regional Association

To:- List E

1. The subjoined copy of extracts from a letter received from the War Office is forwarded, and you are asked to give this matter the widest publication in REUR Units under your command.

2. In order to assist in bringing the Association to the attention of all ranks in REUR, sufficient copies of a poster forwarded from War Office are included with this letter for posting in Messes, Recreation Rooms and other prominent places in your unit.

R. T. T. T.

R. TILLOT, Major,
DAME,
for Brigadier,
Director of Mechanical Engineering

W.O.P. 3/Ext 100

2

REUR Regional Association

1. The forwarding of the above association totals at the present time is only a small figure in comparison with the size of the Corps, and it is desired to increase this by all means in our power before the close of release sets in in earnest in December, 1945/

posting in Messes, Recreation Rooms and other prominent places in your unit.

R. Timney

R. TIMNEY, Major,
DAWSON
for Bridgeport,
Director of Mechanical Engineering.

5.03 T/1-11-56

- 2 -

REPLY Puffington Association

1. The membership of the above Association totals at the present time 1,000 000, a small figure in comparison with the size of the Corps, and it is desired to increase this by all means in our power before the issue of releases sets in. In current in December, 1945/January, 1946.

2. It is clear that more publicity is needed and to an enormous extent this, a form of poster for exhibition at French, German, and other points and distributed, benefiting in the same sense as required, it appears, in units both at home and overseas.

3. A booklet setting the objects and activities of the Association is already in process of distribution in Germany, France, etc. This booklet, too, is handed to personnel on release but a knowledge of its contents by personnel before release is desirable.

(Sgt) S. S. SOMMER Major-General,
Director of Mechanical Engineering.

L 8453

Declassified E.O. 12356 Section 3.3/NND No.

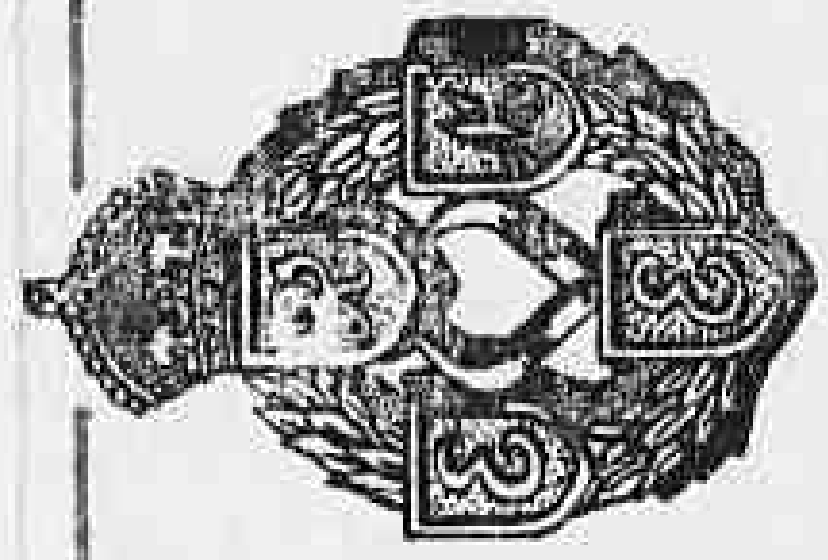
785020

2548

www.elsevier.com

0940

Declassified E.O. 12356 Section 3.3/NND No. 785020



R.E.M.E.

KEEP IN CONTACT WITH
YOUR OLD COMRADES

BY
JOINING

the

R.E.M.E.

0941

Declassified E.O. 12356 Section 3.3/NND No. 785020

KEEP IN CONTACT WITH
YOUR OLD COMRADES

BY
JOINING

the

**R.E.M.E.
REGIMENTAL
ASSOCIATION.**

PARTICULARS FROM
SECRETARY. H.Q., R.E.M.E., T.E., HAZEBROUCK BKS., ARBORFIELD, BERKS.

8451

0942

Declassified E.O. 12356 Section 3.3/NND No. 785020

16/1/40
453

1702

Subject: - 2 District recovery plan and
Location Statement of Recovery units
Attachment No. 3.

to 636 Army Recovery Coy, DMS.
C.M.S.
MURRAY Ext 341.
R.O./48/1/21.
7 Jan 45.

22

René

Please make the following amendments to 2 District Recovery plan
and location of recovery units and R.O./48/1/21 dated 17 Nov. 45.

Amend plan
25/1

Recovery plan - Annex 'A'

Serial 13(a)	-	DELETE	636 Army Rec Coy	PODUMTA	L. 535125
Serial 17	-	DELETE	all references.		
Serial 18	-	DELETE	all references.		
Serial 19	-	DELETE	all references.		

Recovery facilities - Annex 'B'

Serial 9	-	DELETE	all references.		
Serial 10	-	DELETE	map ref. A. 5371		
Serial 11	-	DELETE	636 Service Station		
	-	DELETE	535 S/A. City of London.		
	-	DELETE	702 Service Station.		

0943

Declassified E.O. 12356 Section 3.3/NND No. 785020

Quesada

Recovery Plan - Annex 14

Serial 13(a) - INSTR 636 NY Dec Sec POWDATA L. 585125
Serial 17 - DELIVER all reference.
Serial 18 - DELIVER all reference.
Serial 19 - DELIVER all reference.

Recovery Facilities - Annex 17

Serial 9 - DELIVER all reference.
Serial 10 - INSTR 702 NY Dec Sec A. 5871
Serial 11 - DELIVER 644 Service Station
INSTR 635 S/L 100000.
Serial 13 - DELIVER 702 Service Station.
INSTR 51 LAA West West.
Serial 16 - DELIVER POWDATA L. 58517 4 April 1947
Serial 17 - INSTR 702 NY Dec Sec A. 5871
Serial 18 - DELIVER 644 Service Station
INSTR 635 S/L 100000.
Serial 19 - DELIVER 702 Service Station.
INSTR 51 LAA West West.

all parties

(A. 585125) 8450 present.
A. 585125 Army Recovery.

17/1/46

0944

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject :- Ford Engine Case Markings.

Land Forces Sub Comm,
A.C.(M.M.I.A.)
ROME
EME/1702
11 Jan.46.

To : EME's,
1,3,4,5,10, BLU's

The attached GHQ letter is forwarded to you for
information.

21
W.J. R. Hill

Capt,
R.E.M.E.
for A.D.M.E.
Land Forces Sub Comm.A.C.(M.M.I.A.)

WSR/ir

R
8449
12/1/46

0945

Declassified E.O. 12356 Section 3.3/NND No. 785020

GENERAL HEADQUARTERS
CENTRAL MEDITERRANEAN FORCE
REME

FREEDOM 522

Subject: Ford Engine Case MarkingsTo: DIME HQ BTA - 100 copies
List F

less: A9(i)
BTL units
OC Tyre Repair Wksp RME
OC 620 Med Engt Wksp RME
OC Chem & Met Lab RME
OC Civil Labour Office RME

RECEIVED
231

11/11/46 ME/3B/3830

EME/1752

10 Jan 46

1. Due to the cessation of overhaul of certain types of Ford Engines in Base Workshops, it has been found necessary to revise the identification markings on engine cases after reconditioning.
2. The following markings are now applicable to Ford engine cases, and assemblies should be demanded stating the "Code No." plus any relevant details applicable under "Remarks".

Code	Case Markings	Remarks
FD/1	Canadian Ford V8/85 (or 95) Engine for "B" Vehicles only	(a) 85 or 95 HP engine will be supplied (b) Demands must state whether double or single pulley, water pump required
ED/3	Ford V8/85 British for "B" Vehicles only	(a) Demands must state whether 6 or 12 volt required
EH/28	Ford V8 Canadian Carrier Engine	
EA/32	Ford V8 British Carrier Engine	

J.B. MITCHELL. Capt.
for Brigadier,
Director of Mechanical Engineering.

Copy to: Ord (B) GHQ CEF
CMT RASC CEF

8448

12/1/46

Declassified E.O. 12356 Section 3.3/NND No.

785020

Subject: Distribution Lists.HQ No. 2 District CMT
BLENHEIM Ext 341
REME 6043

4 Jan 46

Lists 'B' 'C' & 'D'RECEIVED 9/1/46
103

1702

1. Further to this office letter REME 6043 dated 16 Nov 45, herewith amendment No. 2:-

List 'A'

Delete: ADME 218 (Special) Area
EME HQ 7 AGRA

reme 19

List 'B'

Delete: EME 2 BLU
EME 6 BLU

List 'C'

Add: DAG (AG9) GHQ CMT
DAG GHQ 2nd Echelon CMT
'A' No. 2 District
CSO No. 2 District
AAC, Adv Rpts Sub Sec. c/o 1 CRU

Delete: 'A' Branch, No. 2 District.

P.D. Adams
(P. D. ADAMS) Capt
SO REME
for Colonel

Deputy Director of Mech Engineering.

0947

Declassified E.O. 12356 Section 3.3/NND No. 785020

RECEIVED 24 DEC 45
537

GENERAL HEADQUARTERS
Central Mediterranean Force
REME

FREEDOM 363

ME/1A/1509

Subject:- Assessment of Wksp Repair Charges

To:- Distribution as below

19 Dec 45

Reference DME Adm Instruction No. 21 as amended
by letter ME/1A/1509 dated 22 Oct 45.

1. Please amend the a/m instruction as follows:-

Delete existing para 3 (b)

Substitute new para 3 (b) below:

Para 3(b) "Repayment price will be assessed by the workshop officer, but when the workshop officer considers he is unable to make a fair assessment he will ask the Senior Ord Rep of the area to obtain a price for him. Ord Reps have been instructed accordingly by DOS GHQ."

3(c) Add afterassessed by Workshops (see para 4)

"Now price will be assessed if necessary in accordance with para 3 (b) above."

R. Tilney

R. TILNEY, Major,
DADME,

for Major-General,

Director of Mechanical Engineering.

Distribution:- List "F"

Plus :-

Financial Adviser (Br) GHQ

DOS GHQ - ref conversation Brig HOLT -

Lt Col GODDARD.

Less:-

Civil Labour Office REME

A9

8446

0948

Declassified E.O. 12356 Section 3.3/NND No. 785020

GENERAL HEADQUARTERS, C.M.F.
REME INSPECTORATE

RECEIVED 19/12/45
351
1702
17
RECEIVED 969

RECEIVED/10

17 Dec 45

ADMINISTRATIVE INSTRUCTION No.1.

Amendment No.37.

file

1. Amend para.11, line 3, as follows:-

After: "engine"

Add: "except where otherwise specified".

John H. Mansour
Lieut. for
Colonel,
Chief Inspector,
REME INSPECTORATE, C.M.F.
(J.H. HANSON)

8445

Distribution: Lists 'C' and 'G'.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Subject: Civilian Labour Returns.

REME
HQ No. 2 District CMF.
BLENNHEIM Ext 341
REME 6303
10 Dec 45.

List 'B' and 'D'

Reference this office letter REME 6303 dated 28 Nov 45, the following amendment to DME GHQ CMF letter ME/1A/220C dated 17 Nov 45 is notified for information and necessary action.

Para 3

Add after "with copies to" "by the 25th of each month."

Para 3 (2) & 4

After "Civil Labour Office"

Add "REME"
in each case.

Para 5

Amend whole para to read:-

"L of C Units will forward any additional returns to those set out in para 3 above as directed by District etc. DDSME or ADSME"

P.D. Adams
(P.D. ADAMS) Cpt.
SO REME
for Brigadier,
Deputy Director of Mech Engineering.

8444

0950

Declassified E.O. 12356 Section 3.3/NND No. 785020Subject :- EME I's - Distribution.

Land Forces Sub Comm.
A.C.(M.M.I.A.)
ROME
EME/1702
14 Dec.45.

To : D.M.E.

A.F.H.Q.

It is understood that in the past you distributed the above for the Italian Gruppi di Combattimento to the EME's attached to the Gruppi.

Consequent upon a change in the allocation of the BLU's the Gruppi are now sited in the areas covered by the EME's as under :-

CREMONA)			
MANTOVA)	Gruppi	-	N°1 BLU.
LEGNANO	"	-	N°3 BLU.
FRIULI	"	-	N°4 BLU.
FOLGORE	"	-	N°7 BLU.

It is requested that copies for record purposes be distributed to 5 BLU and 10 BLU. in addition to issues of appropriate quantities to the four BLU's quoted above.

AB/fr

Land Forces Sub Comm.A.C.(M.M.I.A.)
Lt Col.
A.D.M.E.

8443

GENERAL HEADQUARTERS
CENTRAL MEDITERRANEAN FORCE
REME

RECEIVED 14/12/45
119

PRECEDOM 506

ME/A/3/3476/1

Subject: Return of defective engines to workshops

To: DOME HQ BTA - 100 copies

1st F

less:

A9(i)
Q(AE)

BTA Units

OC Tyre Repair Wkps

OC 620 Med Emt Wkps

OC Chemical and Metallurgical Lab

OC 711 Telecom Wkps

OC Civil Labour Office

Leve

5 Dec 45

1. Considerable trouble is being experienced in tracing defective reconditioned engines which have been returned to Base Workshops for examination and rectification. Due to the absence of easily identifiable external markings on the engine cases, many of these engines are reworked before REME Inspectorate personnel have an opportunity of examining them.
2. To prevent this occurring the following procedure will be adopted:
 - (a) The defective engine will be cased, together with all components with which it was originally received, and properly preserved against rust.
 - (b) The case will be marked with a red diagonal line on the top and one side. The line to be 2" wide.
 - (c) The case will be clearly addressed
 REME Inspectorate
 Attd * X Sub Workshops
 * Y Base Workshops OMT
 - * These details are available from the engine overhaul plate.
 - (d) A copy of the relevant defect report will be enclosed with the engine, together with any documents or labels originally received with the engine indicating the components with which it was supplied.

Declassified E.O. 12356 Section 3.3/NND No. 785020

2. To prevent this occurring the following procedure will be adopted:

(a) The defective engine will be cased, together with all components with which it was originally received, and properly preserved against rust.

(b) The case will be marked with a red diagonal line on the top and one side. The line to be 2" wide.

(c) The case will be clearly addressed
REME Inspectorate
Attd # X Sub Workshops
Y Base Workshops CMF

* These details are available from the engine overhaul plate.

(d) A copy of the relevant defect report will be enclosed with the engine, together with any documents or labels originally received with the engine indicating the components with which it was supplied.

3. Normal defect report procedure will also be carried out in addition to the above so that the workshops concerned are aware that the engine is being returned.

4. Base Workshops will ensure that the diagonal red line on the engine case, para 2(b) refers, is painted out after examination of the engine by REME Inspectorate.

Gunter R. L. H.

D.M. CAMPBELL, Major,
DAME,

for Major-General,
Director of Mechanical Engineering.

8442

Copy to: CMT (Conversation Mallon - Campbell refers)

14/12/45

0953

Declassified E.O. 12356 Section 3.3/NND No. 785020

• FR471702 PLA

CONFIDENTIAL
EXCLUDED FROM AUTOMATIC
DOWNGRADING AND
DECLASSIFICATION

Reve.

(13)

DECLASSIFIED
DATE 05/20/2008

15 Nov. 45

Subject: Warren and wife (Liz)

- Not
- 1. 1945 (2)
 - 2. 1945 (2)
 - 3. 1945 (2)
 - 4. 1945 (2)
 - 5. 1945 (2)
 - 6. 1945 (2)
 - 7. 1945 (2)
 - 8. 1945 (2)
 - 9. 1945 (2)
 - 10. 1945 (2)
 - 11. 1945 (2)
 - 12. 1945 (2)
 - 13. 1945 (2)
 - 14. 1945 (2)
 - 15. 1945 (2)
 - 16. 1945 (2)
 - 17. 1945 (2)
 - 18. 1945 (2)
 - 19. 1945 (2)
 - 20. 1945 (2)
 - 21. 1945 (2)
 - 22. 1945 (2)
 - 23. 1945 (2)
 - 24. 1945 (2)
 - 25. 1945 (2)
 - 26. 1945 (2)
 - 27. 1945 (2)
 - 28. 1945 (2)
 - 29. 1945 (2)
 - 30. 1945 (2)
 - 31. 1945 (2)
 - 32. 1945 (2)
 - 33. 1945 (2)
 - 34. 1945 (2)
 - 35. 1945 (2)
 - 36. 1945 (2)
 - 37. 1945 (2)
 - 38. 1945 (2)
 - 39. 1945 (2)
 - 40. 1945 (2)
 - 41. 1945 (2)
 - 42. 1945 (2)
 - 43. 1945 (2)
 - 44. 1945 (2)
 - 45. 1945 (2)
 - 46. 1945 (2)
 - 47. 1945 (2)
 - 48. 1945 (2)
 - 49. 1945 (2)
 - 50. 1945 (2)
 - 51. 1945 (2)
 - 52. 1945 (2)
 - 53. 1945 (2)
 - 54. 1945 (2)
 - 55. 1945 (2)
 - 56. 1945 (2)
 - 57. 1945 (2)
 - 58. 1945 (2)
 - 59. 1945 (2)
 - 60. 1945 (2)
 - 61. 1945 (2)
 - 62. 1945 (2)
 - 63. 1945 (2)
 - 64. 1945 (2)
 - 65. 1945 (2)
 - 66. 1945 (2)
 - 67. 1945 (2)
 - 68. 1945 (2)
 - 69. 1945 (2)
 - 70. 1945 (2)
 - 71. 1945 (2)
 - 72. 1945 (2)
 - 73. 1945 (2)
 - 74. 1945 (2)
 - 75. 1945 (2)
 - 76. 1945 (2)
 - 77. 1945 (2)
 - 78. 1945 (2)
 - 79. 1945 (2)
 - 80. 1945 (2)
 - 81. 1945 (2)
 - 82. 1945 (2)
 - 83. 1945 (2)
 - 84. 1945 (2)
 - 85. 1945 (2)
 - 86. 1945 (2)
 - 87. 1945 (2)
 - 88. 1945 (2)
 - 89. 1945 (2)
 - 90. 1945 (2)
 - 91. 1945 (2)
 - 92. 1945 (2)
 - 93. 1945 (2)
 - 94. 1945 (2)
 - 95. 1945 (2)
 - 96. 1945 (2)
 - 97. 1945 (2)
 - 98. 1945 (2)
 - 99. 1945 (2)
 - 100. 1945 (2)

1. Research please find 1 copy of Warren Bulletin (inf) No. 20, furnished for your information and retention.
2. It is especially requested that you be given the opportunity of reading this publication.
3. Please align and return the Bulletin at 11, to the care of the lower half of the first sheet in the book.

W. C. H. G. Capt. Air.
for information
Director of National Engineering

Copy to: Warren (inf) as used by G. (1)

Declassified E.O. 12356 Section 3.3/NND No. 785020

1. Do you get a copy of this.
2. It has some through REME channels and is secret, as it is difficult to see how it can be applied to the Italian Army

19 | RGME
No - I have not a copy
want! keep this please!
HLL

0955

Declassified E.O. 12356 Section 3.3/NND No. 785020

M. M. I. A.

CENTRAL AMERICAN MOTOR

Class I

C.I.M.A. (PASC) Monthly Summary of Defects No. 48.

The following information is circularised to assist Units.

(H. J. Mallon)
(E. J. Mallon).
Major, S. A. G.
Lt. Col. P. S. G.
C. I. M. I. (PASC) C. M. F.

Issued: 4 Nov 1945.

PART I

Results of investigation into defects.

Serial.	Equipment.	Defect.	Remarks.
78	Dodge, (Canadian).	Failures of Ignition Condensers.	The manufacturers state that in every case investigated the trouble was due to improper maintenance and that when the distributors were properly serviced failures did not occur.

PART II

Reports have been received on the undermentioned defects
and further reports are required.

Serial.	Equipment.	Defect.
296.	Dodge - all Types.	Cylinder block - cracks in cylinder block in valve chamber.

Condensers.
 Since each in every case investigated the trouble was due to improper adjustment and that when the distributors were properly serviced failures did not occur.

PART II

Reports have been received on the undermentioned defects and further reports are required.

Serial.	Equipment.	Defect.
296.	Police - All Types.	Cylinder block - cracks in cylinder block in valve chamber.
297	Armourance 4 x 2 Ford C.298 "HS"	Pan blade Assy. broken away from rear mounting flange.
298	Thornycroft DOL Diesel.	Cylinder head gasket faulty in two places.
299	Car 5cvt. 4 x 4 Willlys and Ford.	Screw, rear axle driving gear to differential case 559941-5 - shearing of screw.

2/...
 R 12/1/58

L 8440

785020

PART III

2.M.S.In. applicable to R.C.O. Units. To be noted upon by all concerned.

Serial.

15 Engine Oil Filters (External).

When a replacement engine is received less engine oil filter, the filter assembly from the u/s engine will be used only after a new element and gasket have been fitted.

Where, however, the old filter does not have a replaceable element, a complete new filter will be fitted.

(2.M.S.In. Vols. Gen. O.904 dated 18 Sept 1945).

16 Cancellation of 2.M.S.In.

The following 2.M.S.In. which were issued to Units by this R.C.O. will be cancelled:-

2.M.S.In. No.	Date.	Subject.
Whd. Vols. E. 916 (Pages 4 - 5).	6.4.44.	Battery Mounting (Dennis 3-ton 4 x 2 Tipper).
Vols. Gen. A. 902 (Pages 1 - 2).	9.3.44.	Headlamp lens's (all vehicles).

Cancellation of C.I.M. 2. (1930) Memoranda.

The following C.I.M. 2. Memoranda are cancelled:-

No.	Class.	Date.	Subject.
7	I	29.9.43.	Miscellaneous Information.
12	I	25.10.43.	Tyre Pressures.
14	III	6.11.43.	Libion CX.24S Tank Transporter - Rubber connection, bottom, rear, at water pump.
27	II	4.12.43.	Frost Precautions - Retention of Thermostats.
30	III	10.12.43.	Brake Booster Vacuum Line Check

Declassified E.O. 12356 Section 3.3/NND No. 785020

<u>Doc. No.</u>	<u>Class.</u>	<u>Date.</u>	<u>Subject.</u>
Whd. Vehs. 2, 916 (Pages 1 - 3).		6.4.44.	Battery Mounting (Dennis 3-ton 4 x 2 Tipper).
Vehs. Gen. A. 902 (Pages 1 - 2).		9.3.44.	Headlamp Assemblies (All vehicles).
Cancellation of C.I.M.T. (RISC) Memoranda.			
The following C.I.M.T. Memoranda are cancelled:-			
<u>No.</u>	<u>Class.</u>	<u>Date.</u>	<u>Subject.</u>
7	I	29.3.43.	Miscellaneous Information.
12	I	25.10.43.	Tyre Pressures.
14	III	5.11.43.	Allocation C.I. 24S Tank Transporter - rubber connection, bottom, rear, at water pump.
27	II	4.12.43.	Frost Precautions - Retention of Thermostats.
30	III	10.12.43.	Brake Booster Vacuum Line Check Valve.
33	II	17.12.43.	Faulty Assembly of Screwed Shackle Pins.
34	III	19.12.43.	Petroliferous Tubing.
35	III	5.1.44.	Spring towing hook attachment.
63	III	18.2.44.	Lubrication of front prop. shaft. Forward U.J. (Dulws).
64	III	16.5.44.	Removal of axle prop. shaft water baffles (Dulws).
65	III	16.8.44.	Lubrication Charts (Dulws).
66	III	16.8.44.	Installation of Flood Lighting (Dulws).
67	I	1.9.44.	Petrol System (Ford WOT.6).
90	II	22.10.44.	Workshop Technical Equipment.
	(Pages 1 and 2 only cancelled).		
96	III	15.11.44.	Booster gear lever and foot brake pedal (Mack 115).

3/...

U.K.P. 1

PART III (contd).

Serial.

16 Cancellation of C.I.M.T. Memoranda (contd).

Sl. No.	Class.	Date.	Subject.
98	II	23.11.44.	Engine Life.
106	III	15.12.44.	Securing Sherman Tanks to Tank Transporter Trailers.
112	I	11. 1.45.	Washing out of Vehicle Cooling Systems.
120	II	25. 2.45.	Fuel filter connections (Ford Canadian Models).

PART IV

Serial.

38 SPARES INFORMATION.

Workshop Machinery - Demands.

1. Consequent upon a reduction in S.I., it will unfortunately, be necessary to terminate the present system whereby Unit demands and subsequent deliveries are dealt with by this Branch.
2. The following arrangements have therefore been made and come into effect on the dates stated:-

- (a) Commencing Nov 1st, ALL demands for controlled Machinery and Equipment items will be submitted through DOS etc., who will obtain the necessary releases.
- (b) Demands for non-controlled items will be submitted by Formations through CWP's - by Districts direct on the Sub-Depot concerned in accordance with current instructions, as heretofore.
- (c) Demands already received or likely to be received at this date, up to October 31st inclusive will be considered current and issues will be made or "ques-out" created for them. Such demands should therefore NOT be resubmitted.

SPARE PARTS INFORMATION.Workshop Machinery - Demands.

1. Consequent upon a reduction in N.S., it will unfortunately, be necessary to terminate the present system whereby Unit demands and subsequent deliveries are dealt with by this Branch.
2. The following arrangements have therefore been made and come into effect on the dates stated:-

- (a) Commencing Nov 1st. All demands for controlled machinery and equipment items will be submitted through MOS etc., who will obtain the necessary releases.
- (b) Demands for non-controlled items will be submitted by Formations through Offices - by Districts direct on the Sub-Depot concerned in accordance with current instructions, as heretofore.
- (c) Demands already received or likely to be received at this N.S. up to October 31st inclusive will be considered current and issues will be made or "dues-out" created for them. Such demands should therefore NOT be resubmitted.
- (d) Demands received at this N.S. after October 31st will be returned to Unit for submission through ORD channels.
- (e) Units will be advised and delivery arranged by C.I.M.T. as heretofore of all items released up to October 31st. W.E.P. November 1st, this function will be undertaken by ORD.

3. C.I.M.T. (RASC) Memo. No. 90 (paras 1 and 2) dated 22.10.44 may now be considered cancelled.
4. No Stores will be accepted at C.I.M.T. Adv. Stores Section, located with 1763 Inf. W/Shop Platoon R.A.S.C., Florence, after October 31st, on which date it will close down.
5. C.I.M.T. (RASC) will continue to liaise with ORD, on all matters appertaining to the Equipment of R.A.S.C. Workshops.
6. It is hoped that the high standard reached by Units in the compilation of Demands for Machinery will be maintained under the new scheme.

4/...

E 8439

0961

Declassified E.O. 12356 Section 3.3/NND No. 785020

PART IV (cont'd).

Serial.

Jeep Wheels.

39

Owing to the non-availability of replacement Jeep wheels, local manufacture is being arranged. The locally manufactured wheel, Part No. IVS/MT4L/ML 265 will shortly be available.

Owing to the well of these wheels being slightly wider, it will be necessary, when fitting the standard Jeep tyres, to inflate to a pressure some 20 lbs. in excess of standard, to allow the tyre to take up its correct position, after which pressure should be dropped to normal before use.

40

C.I.M.T. Memoranda issued during the month of October.

No. 135 (Class I) - Road Wheels - correct positioning of.

PA / 1702

GENERAL INFORMATION
GENERAL INFORMATION
GENERAL INFORMATION

DATE RECEIVED
SPECIAL AGENT
GEO. W. BROWN

Review

Subjeet: Process of Learning

1948 251 (4)
 1948 253 Georgia (2)
 1948 254 13 (6) (2)
 1948 254 254 (2)
 1948 254 254 (2)
 1948 254 (2)
 1948 254 (2)
 1948 254 254 (2)
 1948 254 254 (2)
 1948 254 254 (2)
 1948 254 254 (2)

1. Herewith please find ~~one~~ copy of proposed Bulletin (Inf) No. 12, forwarded for your information and comment.
2. It is especially requested that all A.S.A.s, desirous to advance the opportunity of reading this publication.
3. It is intended to make a similar distribution of all future issues. If any further copies are required, will you please inform this Directorate, so that where possible these demands may be met.
4. Please sign and return the attached A.S.A. 15.

Declassified E.O. 12356 Section 3.3/NND No. 785020

1. Enclosed please find 1 copy of Progress Bulletin (Inf) No. 12, containing for your information the following information.
2. It is especially requested that all A.S.s. should be given the opportunity of reading this publication.
3. It is intended to make a similar publication of all future issues. If any further copies are required, will you please inform this Directorate, so that more parcels than those sent may be sent.
4. Please sign and return the attached acknowledgment.

Umpy, N. J., D. J. W. Sims, & D. A. R. 1993. 1993. 1993.

8678

0964

Declassified E.O. 12356 Section 3.3/NND No. 785020

EME 1702
Rene

10

D.R.E., A.F.H.Q. INFORMATION AND DEFECT SUMMARY - No. 29

To facilitate action in this Directorate, it would be appreciated if comments and reports on defects asked for in this Summary could be sectionised on separate sheets as follows:-

1. 'A' Vehicles
2. 'B' Vehicles
3. Armaments and General (including Small Arms & M.G.)
4. Telecommunication (including Instruments & S/L.)

It is noted, with appreciation, that a decided increase in response is being received to the queries put forward in these Defect Summaries, and it is for this reason that the sectionising called for above is necessary.

Issued
1 Aug. 45:

D. G. S. J. C.
Lieut-Colonel,
for Major-General,
Director of Mechanical Engineering.

P/A - RENE LUSHO R

8437

16/10/45

Declassified E.O. 12356 Section 3.3/NND No.

785020

Table 2 - WHEELED VEHICLES (cont'd)

Serial Previous No.	Serial No.	Equipment	Faulty Component & Part Nos.	Nature of Defect
336	320	Jeep, Willys & Ford 5-cwt. 4 x 4	Screw, rear axle driving gear to differential case 355511-S	Shearing of screw
337	321	do	Valves	Sticking, and corrosion of stems.
338	322	All 'B' Vehicles fitted with Solex Carburetors	Neoprene diaphragm.	Failure of Neoprene diaphragm in carburetor through action of M.T.80 petrol.
339	323	Chevrolet - all marks.	Clutch & transmission	Clutch or transmission failures which could be attributed to misalignment of gearbox and engine.
340	324	All Vehicles	Steering arms	Fracture or bending of steering arms
341	325	Dodge - all types	Cylinder block	Cracks in cylinder block in valve chamber
342	-	do	Connecting rod bearing 956204	Failure of bearings

0966

Declassified E.O. 12356 Section 3.3/NND

No.

785020

Table 2 - WHEELED VEHICLES (cont'd)

Faulty Component & Part Nos.	Nature of Defect	Remarks & Action required
Screw, rear axle driving gear to differential case 355511-S	Shearing of screw	Further reports required
Valves	Sticking, and corrosion of stems.	Further reports required
Neoprene diaphragm.	Failure of Neoprene diaphragm in carburettor through action of M.T.80 petrol.	Reports required. Trouble probably in vehicles which have been stored for long periods without draining carburettor.
Clutch & transmission	Clutch or transmission failures which could be attributed to misalignment of gearbox and engine.	Further reports required
Steering arms	Fracture or bending of steering arms	Immediate reports required on <u>all</u> vehicles.
Cylinder block	Cracks in cylinder block in valve chamber	Further reports required
Connecting rod bearing 956204	Failure of bearings	Reports required indicating circumstances under which bearing failed.

8436

0967

Declassified E.O. 12356 Section 3.3/NND No. 785020

Table 2 - WHEELED VEHICLES DEFECTS

Serial Previous No.	Serial No.	Equipment	Faulty Component & Part Nos.	Nature of Defect
328	314	Humber Scout Car	Wheel brake cylinder rubber cups.	Shrinkage of rubber cups
329	315	Daimler Scout Car	Wheel brake cylinder rubber cups.	Shrinkage of rubber cups
330	317	Humber Scout Car	Engine	Suspected big end failure at early mileage.
331	318	Humber Scout Car	Front hub	Oil seal (Perfect) leaking.
332	-	Daimler Scout Car II	Steering drop arm	Broken
333	-	Humber Scout Car I	Axle stub L & R oil catcher hub and distance piece hub inner.	Oil leaking on to brake linings through L & R axle stub breather holes and slot in distance piece, hub bearing inner, failing to be caught in the oil catcher hub and overflowing on to brakes and shoes.
334	-	Humber Scout Car I	Column inner including main nut.	Bushing for rocker arm in main nut cracked, and main nut damaged.
335	-	Humber Scout Car I & II	Housing tractor fork (Front axle)	Shears at one of two places.

0968

Declassified E.O. 12356 Section 3.3/NND No. 785020

Table 2 - WHEELED VEHICLES DEFECTS

Faulty Component & Part Nos.	Nature of Defect	Remarks & Action required
Wheel brake cylinder rubber cups.	Shrinkage of rubber cups	Further reports still required.
Wheel brake cylinder rubber cups.	Shrinkage of rubber cups	Further reports still required.
Engine	Suspected big end failure at early mileage.	Further reports required.
Front hub	Oil seal (Perfect) leaking.	Further reports required.
Steering drop arm	Broken	Further reports and samples required.
Axle stub L & R oil catcher hub and distance piece hub inner.	Oil leaking on to brake linings through L & R axle stub breather holes and slot in distance piece, hub bearing inner, failing to be caught in the oil catcher hub and overflowing on to brakes and shoes.	Further reports required.
Column inner includ- ing main nut.	Bushing for rocker arm in main nut cracked, and main nut damaged.	Further reports required.
Housing track fork (Front axle)	Shears at one of two places.	Further reports required.

Declassified E.O. 12356 Section 3.3/NND No. 785020

Table 2 - WHEELED VEHICLES (cont'd)

Serial Previous No.	Serial No.	Equipment	Faulty Component & Part Nos.	Nature of Defect	Remarks & Action
343	326	Ford 3-ton 4 x 2 158". SN/2972	Chassis frame C.298TFS50058	Bending of chassis between body and cab.	Reports required. Contract No.166323 reinforcement at t
344	327	Ford 3-ton 4 x 4 (Canadian)	Chassis frame	Fracture of frame between spring hanger and control pedal shaft.	Further reports re
345	-	Mack 6-ton 6 x 6	Winch gear 1901	Failure of end thrust washers on Gar Wood winch drives.	Reports required
346	-	Standard 4 x 2 Light Utility	Water pump 37275	Disintegration of water pump carbon gland.	Reports required
347	-	Bedford 3-ton 4 x 2 (OY)	Stub axle 7057393	Shearing of stub axle at shoulder.	Reports required.

0970

Declassified E.O. 12356 Section 3.3/NND No. 785020

Table 2 - WHEELED VEHICLES (cont'd)

Faulty Component & Part Nos.	Nature of Defect	Remarks & Action required
Chassis frame C.298TFS50058	Bending of chassis between body and cab.	Reports required. Vehicles after Contract No.166323 now fitted with reinforcement at this point.
Chassis frame	Fracture of frame between spring hanger and control pedal shaft.	Further reports required.
Winch gear 1901	Failure of end thrust washers on Gar Wood winch drives.	Reports required
Water pump 37275	Disintegration of water pump carbon gland.	Reports required
Stub axle 7057393	Shearing of stub axle at shoulder.	Reports required.

8435

0971

Declassified E.O. 12356 Section 3.3/NND No.

785020

Table 4 - TELECOMMUNICATION DEFECTS

Serial Previous No. * Serial No.	Equipment	Faulty Component & Part Nos.	Nature of Defect
358. 331	W.T. Set No.19 Mk.II	Switches S9A & S10A	Intermittent action due to dust and grit penetrating into switch and fouling contacts.
359 332	W.T. Set No.22	Connectors Flex 5-pt No.5. 2A 15403	On receipt from Ord, spares have been found to have the rubber grommet at the 'non pin' end of the connector parted from the 5-core cable.
360 202	W.T. Set No.48	Meters M1A Model 2 AU.183 Pt.No.6-X-3	Internal wire-wound resistance open circuit.

Declassified E.O. 12356 Section 3.3/NND No.

785020

Table 4 - TELECOMMUNICATION DEFECTS

Faulty Component & Part Nos.	Nature of Defect	Remarks & Action required
K.II Switches S9A & S10A	Intermittent action due to dust and grit penetrating into switch and fouling contacts.	Confirmatory reports have been received and the matter raised with War Office. The OC 711 L of C Tels Wksp forwards the following suggested remedy pending WO reply: "Experience in the past has shown that when switches S9A & S10A give intermittent contact, it is a relatively simple matter to knock out the two pins holding the switch components together. This enables the switch to be cleaned thoroughly and re-assembled by the use of new pins. The switch is then as good as new".
Connectors Flex 5-pt No.5. ZA 15403	On receipt from Ord, spares have been found to have the rubber grommet at the 'non pin' end of the connector parted from the 5-core cable.	Confirmatory reports and samples required.
Meters M1A Model 2 AU.183 Pt.No.6-X-3	Internal wire-wound resistance open circuit.	This defect was reported to DDME BAS Washington who replied as follows:- "The defect was confined to meters manufactured by the Sun Mfg. Co. Chicago who forward the following comments 'The early production of this 500 microammeter was supplied with a Steel instrument case, and the armature was approximately 340 ohms with a 10 ohm pigtail resistor. The later production was supplied in a black painted brass instrument case. All brass/

8434

0973

Declassified E.O. 12356 Section 3.3/NND No.

785020

Table 4 - TELECOMMUNICATION (cont'd)

Serial Previous No.	Serial No.	Equipment	Faulty Component & Part No.	Nature of Defect
360 (cont'd)				
361	338	Receivers Broadcast Type 'C'	Wave change switch	Paxolin disc holding fixed contacts broken.
362	-	Receivers Broadcast Type 'B' No. 3	Trimmers I.F. Primary sides of transformer.	Perforated mica dielectric, causing short circuit between plates of condenser under voltage.

0974

Declassified E.O. 12356 Section 3.3/NND No. 785020

4 - TELECOMMUNICATION (cont'd)

Faulty Component & Part Nos.	Nature of Defect	Remarks & Action required
		All brass case instruments were supplied with approximately 175 ohms in the armature and 175 ohms on individually wound resistors to raise the total resistance of each meter to 350 ohms. Both wood and ceramic spools were used. Is this confirmed by experience or is the defect found on other types of meter than those described above?
Wave change switch	Paxolin disc holding fixed contacts broken.	DDME 8th Army offers the following comment:- "Over a period of four months an average of one set in seven has been fitted with a modified wave-change switch from W/T Set No.22. It is suggested that the thin paxolin disc is broken by attempts to bend the contact arms, which do not appear to have sufficient temper to enable a positive connection to be made in each position after a short period of usage". Defect Reports, quoting Serial Nos., frequency of occurrence, are required from units who have experienced this defect.
Trimmers I.F. primary sides of transformer.	Perforated mica dielectric causing short circuit between plates of condenser under voltage.	Confirmatory reports required.

0973

Declassified E.O. 12356 Section 3.3/NND No.

785020

Table 4 - TELECOMMUNICATION (cont'd)

Serial Previous No.	Serial No.	Equipment	Faulty Component & Part No.	Nature of Defect
363	311	Reception Set R107	Slow movement control.	Stiff and jumpy.
364	-	Radar A.A.No.3 Mk.II	Twin Line & Transformer Unit. ZC 10155	Low resistance reading between terminal A11 and earth, due to breakdown of condenser in one of the artificial lines.
365	-	Radar A.A.No.3 Mk.II Rotor Units Radar No.1	Condenser Sections consisting of six .002 mfd (approx.) condensers in series forming part of ZC 10155. Transformer and Twin Cable Units No.1.	Short circuit of one or more sections. The fault appears to start with the failure of one of the six condensers forming the section, thus increasing the potential across the remainder until all fail, when T & TCU No.1 will of course cease to function.

Declassified E.O. 12356 Section 3.3/NND No.

7850120

Table 4 - TELECOMMUNICATION (cont'd)

Faulty Component & Part No.	Nature of Defect	Remarks & Action required
07 Slow movement control.	Stiff and jumpy.	One unit, in confirming this report, suggests the following:- "The fault is due to the fluid in the slow motion mechanism. When new, the fluid has too high viscosity, rendering the tuning knob immovable in cold weather. When this occurred, it was found necessary to loosen the screws on the face of the slow motion unit approx. two turns; this was found to be not an entirely satisfactory remedy. In hotter climates, the fluid seeps out and the dial is then too slack or jumpy".
II Twin Line & Transformer Unit. ZC 10155	Low resistance reading between terminal A11 and earth, due to breakdown of condenser in one of the artificial lines.	This defect was reported to War Office who replied as follows:- "It is considered that, since the defect concerned thyatron modulators which are being replaced by spark gap modulators having a different type of artificial line, no further action will be taken."
II No.1 Condenser Sections consisting of six .002 mfd (approx.) condensers in series forming part of ZC 10155. Transformer and Twin Cable Units No.1.	Short circuit of one or more sections. The fault appears to start with the failure of one of the six condensers forming the section, thus increasing the potential across the remainder until all fail, when T & TCU No.1 will of course cease to function.	Confirmatory reports are required.

6678

Declassified E.O. 12356 Section 3.3/NND No.

785020

Table 4 - TELECOMMUNICATION (cont'd)

Serial Previous No.	Serial No.	Equipment	Faulty Component & Part Nos.	Nature of Defect	Re
366	347	Teleprinters	-	-	Re to sh Al li be fo le on
367	348	Repeater Telephone 2 circuit No. 1 C	Filter Unit 'A' condenser marked 3200/D Part No. of filter YB 00417.	3200 pfd condensers inside the filter become short circuit.	Co
368	350	Teleprinter 7B (WD) 18x.1XX	Motor Unit 24V	When in transit motor becomes loose due to faulty assembly of end plate.	On wh ma Mo -A 24V
369	351	Teletype TG 7B	Ribbon spool, Part No. Section USSC71661	Outer fibre discs break away from the centre.	Co re
370	-	Apparatus S+Dx Type 1C	Transformer T3. Part No. C1147 & C1044.	Internal disconnection between pins 9 & 10 on equipment which had not been used before.	Co

Declassified E.O. 12356 Section 3.3/NND No.

785020

TELECOMMUNICATION (cont'd)

Component Nos.	Nature of Defect	Remarks & Action required
		The following precautions shall be taken to teleprinters before being shipped to Tropical Theatres:- All exposed metal parts are to have a light coating of preservative applied before passing to Ordnance. The following may be used for this purpose: Lanolin solution, Oil rust preventative or mineral jelly.
Unit 'A' Per marked Part No. of YB 00417.	3200 pfd condensers inside the filter become short circuit.	Confirmatory reports are required.
Unit 24V	When in transit motor becomes loose due to faulty assembly of end plate.	One case was reported by 8th Army when it was ascertained that the machine had not passed through Base Wkups. Reports are required, with full particulars, of any details regarding package and previous examinations.
spool, Part No. n USSC71681	Outer fibre discs break away from the centre.	Confirmatory reports and samples are required.
corner T3. Part 147 & C1044	Internal disconnection between pins 9 & 10 on equipment which had not been used before.	Confirmatory reports required.

Declassified E.O. 12356 Section 3.3/NND No.

785020

Table 4 - TELECOMMUNICATION (cont'd)

Serial Previous No.	Serial No.	Equipment	Faulty Component & Part Nos.	Nature of Defect	Remarks & A
371	352	Bridge Test Avo No.1	Electrolytic condenser 4 mfd.	Insulation breakdown of condenser causing HT voltage drop. Leakage test circuit rendered inoperative.	This matter War Office, be publish. Confirmator
372	353	Oscillograph OR No.1 k.II	Condenser 0.25 mfd (450 V DC wkg)	Insulation breakdown causing leakage of HT to the Y plates and consequent deflection of the beam.	Confirmator
373	354	Valves W.T.Type ARTP 2	Za 3062	Low resistance short between mixer grid (top cap) and mixer screen (pin 7).	Confirmator also wheth have been
374	-	Valves W.T. Type AS70	Za 7138	Plates broken internally, probably due to poor construction.	Confirmator required.

Declassified E.O. 12356 Section 3.3/NND No.

785020

le 4 - TELECOMMUNICATION (cont'd)

Faulty Component & Part Nos.	Nature of Defect	Remarks & Action required
Electrolytic condenser A mfd.	Insulation breakdown of condenser causing HT voltage drop. Leakage test circuit rendered inoperative.	This matter has now been taken up with War Office, and further details will be published when available. Confirmatory reports are still required.
Condenser 0.25 mfd (450 V DC wkg)	Insulation breakdown causing leakage of HT to the Y plates and consequent deflection of the beam.	Confirmatory reports required.
ZA 3062	Low resistance short between mixer grid (top cap) and mixer screen (pin 7).	Confirmatory reports are required, also whether the valves are new or have been used.
ZA 7138	Plates broken internally, probably due to poor construction.	Confirmatory reports and samples required.

8432

Declassified E.O. 12356 Section 3.3/NND No.

785020

Amendments and cancellations cont'd.

No.	Pages	Date	Details
<u>TELECOMMUNICATIONS</u>			
B 911	1	16. 1.45	Reception Set R.109B - Valve holder of R.F. stage
B 923	1-2	13. 8.44	Reception Set R.208 - Case, metal, No.59
C 916	1	13. 8.44	Wavemeter Class 'C' - Plug, 4-point No.15. (a)
E 903	2	2. 2.45	Wireless Set No.12 - Power supply unit No.1
E 903	6-7	1. 4.45	Wireless Set No.12 - Mod. to resistor panels
E 905	4-6	1. 2.45	Wireless Set No.12 - Transformer T5A (b)
E 917	6	14. 5.45	Wireless Set No.38 - Test Indicator No.1 (a)
F 945	5-7	15. 9.44	Wireless Set No.19 - Drive, slow motion No.14 (a)
F 945	8-9	18. 9.44	Wireless Set No.19 - Condenser, circuit ref. C4T
F 945	10-11	15.10.44	Wireless Set No.19 - Inductances R.F. 11 uH No.1(a)
F 945	12	9. 2.45	Wireless Set No.19 - Relay W.T. No.4
F 946	4	20.10.44	Wireless Set No.19 - Calibration
F 947	4-6	22. 5.44	Wireless Set No.19 - Maintenance of plugs and sockets 5-pt No.5
F 962	5	12. 8.44	Wireless Set No.21 - Condenser Q25A, circuit ref. C31A.
F 980	10	5. 5.45	Wireless Set No.22 - Rectifier selenium No.38 (a)
F 982	3	13. 4.45	Wireless Set No.21 - Clamps, set retaining No.21 (a)
I 931	2-3	28. 2.45	Amplifier R.F. No.2 - Fitting Ceramic condensers Y24B. (a)

(a) If stores have already been received they will be returned to the nearest which holds similar stores, and used for maintenance purposes.

(b) If stores have already been obtained, the modification will be completed.

0982

Declassified E.O. 12356 Section 3.3/NND No. 785020

Amendments and cancellations cont'd.

Details		Remarks
<u>TELECOMMUNICATIONS</u>		
at R.107B	- Valve holder of R.F. stage	8431 CANCELLED. Equipments already modified will not be restored to their previous condition, but no other equipments will be modified,
at 7.203	- Case, metal, No.59	
Class 'C'	- Plug, 4-point No.15. (a)	
at No.12	- Power supply unit No.1	
at No.12	- Mod. to resistor panels	
at No.12	- Transformer T5A (b)	
at No.38	- Test Indicator No.1 (a)	
at No.19	- Drive, slow motion No.14 (a)	
at No.19	- Condenser, circuit ref.C4T	
at No.19	- Inductances R.F. 11 uH No.1(a)	
at No.19	- Relay W.T. No.4	
at No.19	- Calibration	
at No.19	- Maintenance of plugs and sockets 5-pt No.5	
at No.21	- Condenser Q25A, circuit ref. C31A.	
at No.22	- Rectifier selenium No.38 (a)	
at No.21	- Clamps, set retaining No.21 (a)	
P. No.2	- Fitting Ceramic condensers Y24B. (a)	

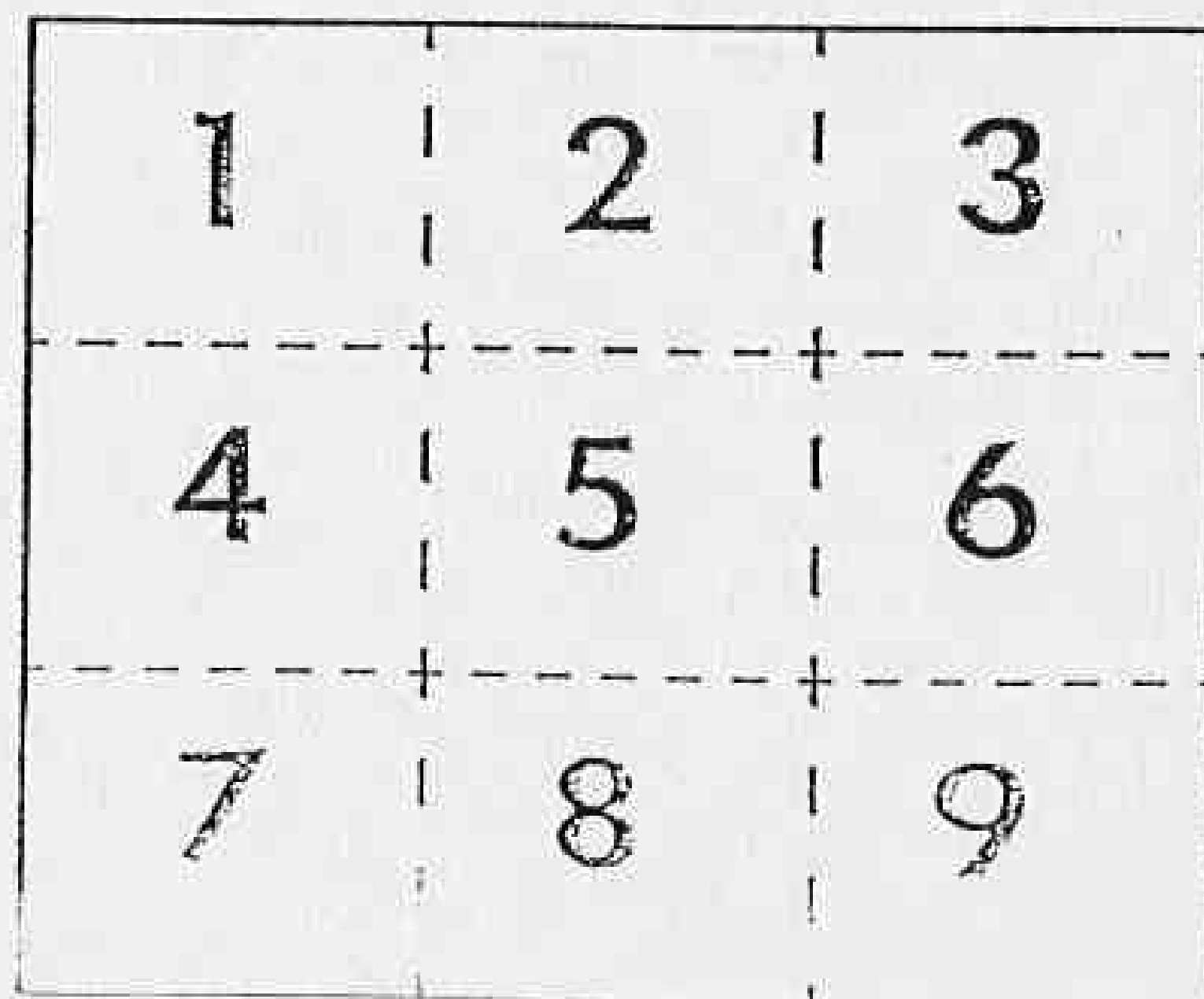
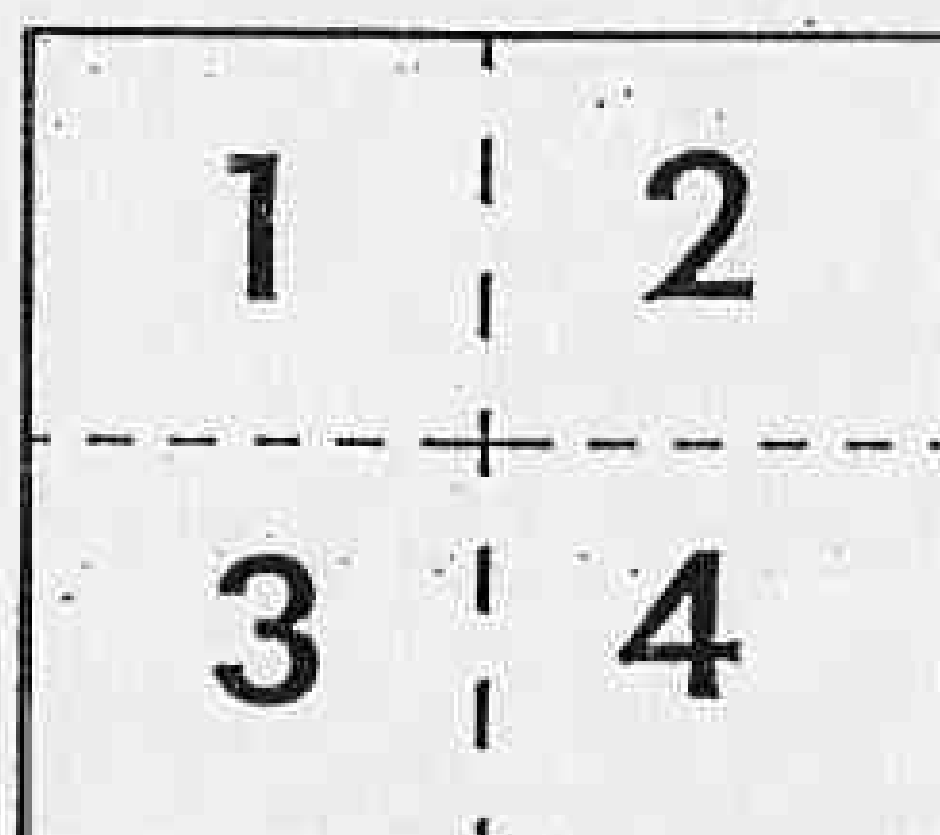
been received they will be returned to the nearest Ordnance Depot
res, and used for maintenance purposes.
been obtained, the modification will be completed.

0983

Declassified E.O. 12356 Section 3.3/NND No. 785020

MAPS AND CHARTS TOO LARGE TO FILM
ON ONE EXPOSURE ARE FILMED CLOCKWISE
BEGINNING IN THE UPPER LEFT CORNER,
LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.



Declassified E.O. 12356 Section 3.3/NND No. 785020INDEX TO ELECTRICAL AND MECHANICAL ENGINEERING INSTRUCTIONS

List No. 29 - Instructions issued during July, 1945

The appended list of E.M.E. Instructions issued during July, 1945, is published for the information and guidance of all

E.M.E.s are only issued to R.E.M.E. Units and Formations selected Staff Branches (See D.M.E., A.F.H.Q. letter ME.3f/445 1944) who will check this list on receipt to ensure that all regulations applicable to them are in their possession. The instructions and regulations required and not received will be the senior EME of formations in the case of Divisional and Brigade direct to D.M.E., A.F.H.Q., C.M.F. in the case of all other units.

S. C. Flinders

for

Director of Mechanical

1st August, 1945:

No.	Page	Issued	Equipment	Details
<u>PART - TRACKED VEHICLES</u>				
H 916	34	6.7.45	Churchill V, VI, VII	New type buffer piston
I 923	32-33	24.7.45	Sherman Tanks	Fitting of 'Alidade' Sight.
I 924	11-16	2.7.45	do	Immersion heater
I 942	11-12	9.7.45	Sherman V	Special ventilation equipment
I 964	9-10	13.7.45	Sherman IB & IIA	Commander's vision cupola
I 972	1	24.7.45	Sherman III DD & VDD	Removal of sprocket rings
I 973	6-13	24.7.45	Sherman III & V & DD Mk.3	All-round vision cupola
I 974	3-4	17.7.45	Sherman III & V	Commander's & Loader's seat brackets
<u>PART - WHEELED VEHICLES</u>				
A 913	1-2	11.7.45	Car 5-cwt. Ford GPW & Willys MB	Adjustment of engine stay cable
A 963	1-2	21.7.45	Lorries 3-ton & Loading Ramps	'On' & 'Off' loading operations
A 991	1-4	6.7.45	Humber, Daimler Arm'd & Scout Cars	Distributor head & cable connectors
D 930	1	26.7.45	Trailer 2-ton 4-wild. G.S.	Fitting Bowdenex brake operating cable
M 993	1-3	22.7.45	Ford & Chevrolet 4 x 4 Canadian	Preventing loss of lubrication oil
O 983	3-5	17.7.45	Humber Cars & Trucks	Front road spring
R 900	2	14.7.45	Bedford W.D. Vehicles	Shackle pins and bushes
T 952	12-13	9.7.45	Staghound Armoured Car	Redesign of wheel rim clamping bolts
T 959	12-17	11.7.45	do	Periscopes Mk.

Declassified E.O. 12356 Section 3.3/NND No. 7850120TO ELECTRICAL AND MECHANICAL ENGINEERING INSTRUCTIONS

st No. 29 - Instructions issued during July, 1945

Appendix list of E.M.E. Instructions issued during the month of
 1945, is published for the information and guidance of all concerned.

E.M.E.s are only issued to R.E.M.E. Units and Formations and certain
 Staff Branches (See D.M.E., A.F.H.Q. letter ME.3f/4450 dated 13 May
 1945). It will check this list on receipt to ensure that all instructions and
 demands applicable to them are in their possession. Demands for those
 instructions and regulations required and not received will be submitted to
 the E.M.E. of formations in the case of Divisional and Brigade Units, and
 D.M.E., A.F.H.Q., C.M.F. in the case of all other units.

T. C. Flavel
 Colonel,
 for Major-General,
 Director of Mechanical Engineering.

, 1945:

DetailsPriority
Class'n.Required byPART - TRACKED VEHICLES

Mc.3	New type buffer piston	Restr'd	REME all line workshops
	Fitting of 'Alidade' Sight.	-	do
	Immersion heater	-	REME 1st to 3rd line wksp.
	Special ventilation equipment	Restr'd	REME all line workshops
	Commander's vision cupola	Important	REME 1st to 3rd line wksp.
	Removal of sprocket rings	Restr'd	REME all line workshops
	All-round vision cupola	do	do
	Commander's & Leader's seat brackets	do	do

PART - WHEELED VEHICLES

Willis MB Eng Ramps & Scout Cars G.S. 4 Canadian ar	Adjustment of engine stay cable		REME all line & RASC wksp
	'On' & 'Off' loading operations		REME all line workshops
	Distributor head & cable connectors		do
	Fitting Bowdenex brake operating cable		REME 1st line & RASC wksp
	Preventing loss of lubrication oil		REME all line & RASC wksp
	Front road spring		REME all line workshops
	Shackle pins and bushes		do
	Redesign of wheel rim clamping bolts	X & M. Imp	do
	Periscopes M4		REME 2-4th line workshops

8430

0986

785020

Declassified E.O. 12356 Section 3.3/NND No.

A 963	1-2	21.7.45	Lorries 3-ton & Loading Ramps	'On' & 'Off' loading operations
A 991	1-4	6.7.45	Humber, Daimler Arm'd & Scout Cars	Distributor head & cable connectors
D 930	1	26.7.45	Trailer 2-ton 4-whld. G.S.	Fitting Bowdenex brake operating cable
M 993	1-3	22.7.45	Ford & Chevrolet 4 x 4 Canadian	Preventing loss of lubrication oil
O 983	3-5	17.7.45	Humber Cars & Trucks	Front road spring
R 900	2	14.7.45	Bedford W.D. Vehicles	Shackle pins and bushes
T 952	12-13	9.7.45	Staghound Armoured Car	Redesign of wheel rim clamping bolts
T 959	12-17	11.7.45	do	Periscopes Mk.
T 970	1-5	2.7.45	Greyhound Armoured Car M8	Wireless for Command & Rear Link
T 971	10-11	12.7.45	do	M9 Periscope
T 971	12-13	21.7.45	do	Clutch pedal footrest
T 975	3-5	1.7.45	do	Steering gears - Adj't. & maintenance
T 982	8-12	4.7.45	Armoured Car Humber IV	37mm Gun. Increasing efficiency

PART - ARMAMENT

T 940	1-6	2.7.45	Mountings 3-in Mortar Mk.2*	Stripping of elevating mechanism
T 982	3	25.7.45	Mtgs. 4.2-in Mortar SB Mks.1,1*,2	Cradle frame

PART - SMALL ARMS & MACHINE GUNS

A 900	7-12	20.7.45	Small Arms, M.Guns & Mortars	Lubrication and preservation
D 916	1-3	25.7.45	Gun Sub Machine .45 M3	Fitting magazine catch shield
E 951	2	1.7.45	Guns M/C Bren .303-in Mks.1 & 3	Modification of Mark 1 triggers

PART - TELECOMMUNICATION

D 909	1-2	2.7.45	Microphone T-30	Modification to neck-piece
E 955	10-14	1.7.45	Radio Set SCR-299	Roof ventilating fan in Truck K-51
E 956	3-5	14.7.45	Radio Set SCR-299 A, B, C & D.	Ventilating fan on roof of SCR-299
E 971	1-2	12.7.45	Radio Set SCR-536 A, B & C	Press-to-talk switch
F 956	1-3	12.7.45	Wireless Set No.19 Mk.II (U.S.)	Supply Unit No.1 Fuse holders
F 923	2	20.7.45	Wireless Station No.10	Fitting spiral springs over valves
F 991	1	1.7.45	Wireless Set No.53	Amplifiers R.F. No.4
G 921	1-7	14.7.45	High-Speed Telegraph Equipment	Morse Reperforator No.7W - Speed Indi
G 921	8-9	3.7.45	Morse Reperforator 7W & 7W.3	Cam bearing
H 911	1-2	6.7.45	Switchboard F & F Mks.I,I* & II	Operators telephone circuit

PART - POWER

E 931	1-3	16.7.45	Charging Set 550 watt No.2 JAP	Use of Panel Type Air Cleaners
E 932	1-2	12.7.45	do No.2 JAP-GARNER	Instruction Book
E 936	1-3	16.7.45	do No.1 Norman	Use of Panel Type Air Cleaners
E 937	1-2	12.7.45	do No.1 Norman	Instruction Book
E 976	1-3	20.7.45	Charging Set 1260 watt No.1 Norman	Panel Type Air Cleaners - use of

PART - MISCELLANEOUS

B 940	4-5	17.7.45	Pontoons Mk.V, V* & VI	Side frames, R.H. & L.H.
-------	-----	---------	------------------------	--------------------------

Declassified E.O. 12356 Section 3.3/NND No.

785020

aps	'On' & 'Off' loading operations		REME all line workshops
out Cars	Distributor head & cable connectors		do
	Fitting Bowdenex brake operating cable		REME 1st line & RASC wksp
adian	Preventing loss of lubrication oil		REME all line & RASC wksp
	Front road spring		REME all line workshops
	Shackle pins and bushes		do
	Redesign of wheel rim clamping bolts	X & M. Imp	do
	Periscopes M.		REME 2-4th line workshops
	Wireless for Command & Rear Link	Special	REME 3rd & 4th line wksp
	M9 Periscope	Important	REME 1st to 3rd line wksp
	Clutch pedal footrest	X & M. Imp	REME all line workshops
	Steering gears - Adj. & maintenance	-	do
	37mm Gun. Increasing efficiency	X & Imp.	do
 <u>PART - ARMAMENT</u>			
*	Stripping of elevating mechanism	Important	REME all line workshops
.1, 1*, 2	Cradle frame	do	REME Armourers & all line w/s
 <u>PART - SMALL ARMS & MACHINE GUNS</u>			
rs	Lubrication and preservation		REME Armourers
	Fitting magazine catch shield		do
1 & 3	Modification of Mark 1 triggers		do
 <u>PART - TELECOMMUNICATION</u>			
& D.	Modification to neck-piece		REME & R. Signals concerned
C	Roof ventilating fan in Truck K-51		REME 2-4th line workshops
(U.S.)	Ventilating fan on roof of SCR-299		REME & R. Signals concerned
	Press-to-talk switch		do
	Supply Unit No. 1 Fuse holders		REME 2-4th line workshops
	Fitting spiral springs over valves	Restr'd	REME & R. Signals concerned
	Amplifiers R. P. No. 4		REME personnel concerned
oment	Horse Reperforator No. 7W - Speed Indicator		do
W. 3	Cam tearing		REME & R. Signals concerned
* & II	Operators telephone circuit		do
 <u>PART - POWER</u>			
2 JAP	Use of Panel Type Air Cleaners		REME all line workshops
P. GARNER	Instruction Book		Units holding
erman	Use of Panel Type Air Cleaners		REME all line workshops
erman	Instruction Book		Units holding
.1 Norman	Panel Type Air Cleaners - use of		REME all line workshops
 <u>PART - MISCELLANEOUS</u>			
	Side frames, R.H. & L.H.		ESD and ESDs.

0988

Declassified E.O. 12356 Section 3.3/NND No.

785020

Sheet 2.

No.	Page	Issued	Equipment	Details
<u>PART - WAR OFFICE E.M.E.Rs.</u>				
<u>Vehicles General</u>				
A 801	1-4	28. 4.45	Tropicalisation of Army Vehicles	Counter measures to minimise deterioration.
A 801	3-4	3. 5.45	do	do (Issue 2)
M 306	1-2	3. 5.45	Tropicalisation of Brake Equipment	General information
<u>General</u>				
A 050	1-4 } 1001-5 }	16. 4.45	E.M.E.Rs.	Instructions to Units
A 050	3-4	16. 6.45	do	do (Issue 4)
J 011	1-8	2. 5.45	Tropical conditions which adversely affect Army Equipment.	Its operation and maintenance
J 015	1-11	22. 5.45	Materials and their uses from the tropical aspects.	General
J 016	1-2	5. 5.45	General engineering considerations from the tropical aspect.	General
J 030	1-6	22. 5.45	Treatment of Electrical and Telecommunication Equipment from the tropical aspects.	
<u>Power</u>				
F 110	1-2	22. 1.45	Charging Set, Lightweight 80W	Data Summary
<u>Instruments & Searchlights</u>				
B 734	5-6	25. 4.45	Theodolite Optical Scale 3 $\frac{1}{2}$ -in No.2	Second to fourth echelon work
S 048/1	1-10	31. 1.45	Telescopes Sighting	do
S 600	1	10. 1.45	Sighting Telescopes with Range	Data Summary

Declassified E.O. 12356 Section 3.3/NND No.

785020

Sheet 2.

8429

ment

Details

Required by

PART - WAR OFFICE E.M.E.Rs.

on of Army Vehicles	Counter measures to minimise deterioration.	REME all line workshops
	do (Issue 2)	do
on of Brake Equipment	General information	do
	Instructions to Units	All personnel concerned
	do (Issue 4)	do
tions which adversely equipment.	Its operation and maintenance	REME all line workshops
their uses from the ts.	General	do
ering considerations	General	do
cal aspect.		
lectrical and Telecommunication Equipment from the ts./		do
Lightweight 80W	Data Summary	REME & R.Signals concerned
cal Scale 3 $\frac{1}{2}$ -in No.2	Second to fourth echelon work	REME 2-4th line workshops
ting	do	do
opes with Range	Data Summary	REME all line workshops

Declassified E.O. 12356 Section 3.3/NND No.

785020

F 110 1-2 22. 1.45 Charging Set, Lightweight 80W Data Summary

Instruments & Searchlights

F 734	5-6	25. 4.45	Theodolite Optical Scale 3 $\frac{1}{2}$ -in No.2	Second to fourth echelon work
S 048/1	1-10	31. 1.45	Telescopes Sighting	do
S 600	1	10. 1.45	Sighting Telescopes with Range Setting Head	Data Summary
S 600/4	1-4	31. 1.45	Telescopes Sighting No.29 Mks.1 & 1A	do
S 610	1-2	5. 3.45	Sighting Telescopes with Range and Deflection Setting Heads	do
S 610/1	1-6	5. 3.45	Telescope Sighting No.39 Mk.4S	do
S 610/2	1-20	17. 3.45	Telescopes Sighting No.43 x 3 M.L. Mks. 1, 2, 3 and 3/1	do
S 610/3	1-11	5. 3.45	Telescopes Sighting No.50 x 3 M.L. Mks.1 & 2	do
S 610/4	1-6	5. 3.45	Telescope Sighting No.54 x 3 M.L. Mk.1	do
S 610/5	1-9	17. 3.45	Telescope Sighting No.57 x 3 M.L. Mk.1	do
S 630/1	1-3	31. 1.45	Telescopes Sighting No.35 Mks. S & 2S	do
S 634/1	1-5	4. 5.45	Telescope Sighting No.35	Second to fourth echelon work
X 571/1	1-2	4. 6.45	Apparatus Desiccating No.1 Mks.1 and 1A	Operator's Instructions
X 571/2	1-2	4. 6.45	Apparatus Desiccating No.2 Mk.1	do
X 572/1	1-3	24. 6.45	Apparatus Desiccating No.1 Mks.1 and 1A	Brief Description
X 572/2	1-2	24. 6.45	Apparatus Desiccating No.2 Mk.1	do

Declassified E.O. 12356 Section 3.3/NND No.

785020

Lightweight ROW

Data Summary

REME & R. Signals concerned

Scale 3 $\frac{1}{2}$ -in No.2
 ting
 opes with Range

Second to fourth echelon work
 do
 Data Summary

REME 2-4th line workshops
 do
 REME all line workshops

ting No.29 Mks.1 & 1A
 ties with Range and
 ing Heads
 ing No.39 Mk.4S
 ting No.43 x 3 M.L.
 and 3/1
 ting No.50 x 3 M.L.

do
 do
 do
 do
 do

do
 do
 do
 do
 do

ing No.54 x 3 L.L. Mk.1
 ing No.57 x 3 L.L. Mk.1
 ing No.35 Mks. S & 2S
 ing No.35
 ating No.1

Second to fourth echelon wrk
 Operator's Instructions

REME 2-4th line workshops
 REME all line workshops

ating No.2 Mk.
 ating No.1

do
 Brief Description

do
 do

ating No.2 Mk.

do

do

Declassified E.O. 12356 Section 3.3/NND No.

785020

Sheet 3.

No.	Page	Issued	Equipment	Details
PART - WAR OFFICE E.M.E.Rs. (cont'd)				
<u>Telecommunications</u>				
A 484	1	28. 2.45	Battle Batteries	Second to fourth echelon work
B 324	1-20	24. 5.43	Mine Detector No.2 (Polish)	do
B 332	1-4	30.11.44	Mine Detector No.3 (Polish)	General Description
B 812	1-4)	5. 1.44	Radio Link S.R. Mk.II	do
	1001-5)			
B 852	1-8)	15. 2.45	Carrier Link S.R.	do
	1001-2)			
B 853	1-2	21. 5.45	do	First echelon work
C 110/5	1	30. 1.45	Telephone Loudspeaking No.4	Data Summary
C 114/5	1-2	10. 3.45	do	Second to fourth echelon work
C 150/4	1	5. 3.45	Apparatus Loudspeaking No.1	Data Summary
C 152/2	1-2)	7. 5.45	Apparatus Loudspeaking No.6 (Tannoy)	General Description
	1001-2)			
C 152/4	1-2)	28. 2.45	Apparatus Loudspeaking No.3	do
	1001-3)			
C 152/5	1-2)	3. 3.45	Apparatus Loudspeaking No.4	do
	1001-2)			
C 153/5	1-2	3. 3.45	do	First echelon work
C 154/3	1-2	28. 2.45	Apparatus Loudspeaking No.2	Second to fourth echelon work
C 400	1-2	24. 4.45	Wireless Film Recording Equipment	Data Summary
D 152	1-6)	18. 2.45	Wireless Set No.12 H.P.	General Description
	1001-8)			
D 363	1-24)	1. 4.45	Wireless Sender No.53	First echelon work
	1001-7)			
D 454	1-4	30. 4.45	Wireless Set No.76	Second to fourth echelon work
D 459/1	1-4	28. 2.45	do	Service Data - First echelon
D 710	1-2	7. 5.45	Wireless Set H31	Data Summary
D 760	1-2	11. 5.45	Wireless Set T 1154	do
E 180	1	12. 5.45	Reception Set R 100	do
E 193	1-20)	30.10.44	Reception Sets R109, R109A, B & C	First echelon work
	1001-4)			
E 213	1-12)	22. 3.45	Reception Set R 201	do
	1001-9)			
E 283	1-10)	28. 2.45	Reception Set R 206 & Power Supply	do
	1001-3)		Unit No.15	
E 302	1-2)	30. 1.45	Reception Set R 202	

Declassified E.O. 12356 Section 3.3/NND No.

785020

Sheet 3.

8428

Equipment

Details

Required by

PART - WAR OFFICE E.M.E.ics. (cont'd)

As Batteries	Second to fourth echelon work	REME 2-4th line workshops
Detector No.2 (Polish)	do	REME personnel (Restricted)
Detector No.3 (Polish)	General Description	Units holding
Link S.R. Mk.II	do	REME all line workshops
Link S.R.	do	do
do	First echelon work	do
Telephone Loudspeaking No.4	Data Summary	REME & R.Signals concerned
do	Second to fourth echelon work	REME 2-4th line workshops
Apparatus Loudspeaking No.1	Data Summary	REME & R.Signals concerned
Apparatus Loudspeaking No.6 (Tannoy)	General Description	do
Apparatus Loudspeaking No.3	do	do
Apparatus Loudspeaking No.4	do	do
do	First echelon work	do
Apparatus Loudspeaking No.2	Second to fourth echelon work	REME 2-4th line workshops
Glass Film Recording Equipment	Data Summary	REME & R.Signals concerned
Glass Set No.12 H.P.	General Description	do
Wireless Sender No.53	First echelon work	do
Wireless Set No.76	Second to fourth echelon work	REME 2-4th line workshops
do	Service Data - First echelon	REME & R.Signals concerned
Wireless Set H31	Data Summary	do
Wireless Set T 1154	do	do
Reception Set R 100	do	do
Reception Sets R109, R109A, B & C	First echelon work	do
Reception Set R 201	do	do
Reception Set R 206 & Power Supply	do	do
Unit No.15	General Description	do
Wireless Set No. 208		

Declassified E.O. 12356 Section 3.3/NND No.

785020

D 110	1-2	7. 5.45	Wireless Set No. 110	Data Summary
D 760	1-2	11. 5.45	Wireless Set T 1154	do
E 180	1	12. 5.45	Reception Set R 100	do
E 193	1-20 } 1001-4)	30.10.44	Reception Sets R109, R109A, B & C	First echelon work
E 213	1-12 } 100-9)	22. 3.45	Reception Set R 201	do
E 283	1-10 } 100-3)	28. 2.45	Reception Set R 206 & Power Supply Unit No.15	do
E 302	1-2 } 1001-4)	30. 4.45	Reception Set R 208	General Description
E 303	1-2 } 100-4)	30. 4.45	do	First echelon work
E 803	1-3 } 100-4)	5. 5.45	Reception Set D.F.G. 20/10	do
E 813	1-2 } 100-2)	12. 5.45	Reception Set (Marconi) R.G.35	do
E 830	1-2	3. 3.45	Reception Set D.F.P.4	Data Summary
E 880/1	1	11. 5.45	Receiver Broadcast Type C No.3	do
F 252	1-18	25. 3.45	Wireless Set No.19	General Description (cont'd)
F 259/1	1-9 } 1001-10)	3. 5.45	Wireless Set No.19 Mk.II	Service Data- First echelon work
F 274	1-17	20. 3.45	Wireless Set No.21	Second to fourth echelon work
F 412/2	1-2 } 1001-4)	16. 3.45	Wireless Set No.38 A.F.V.	General Description
F 419/2	1	23. 3.45	Wireless Set No.38	Change of EMER numbering
F 450	1-2	24. 5.45	Wireless Set H-42	Data Summary
F 464	1-5	15. 2.45	Wireless Set No.46	Second to fourth echelon work
F 469/2	1-2	3. 3.45	do	Service Data- 2-4th echelon
F 512	1-1 } 1007)	24. 5.45	Wireless Set No.62	General Description (cont'd)
F 712	1-6 } 1001-15)	31. 3.45	Transmitter-Receiver T.R.1143	General Description
K 223/2	1 } 1001)	30. 4.45	Supply Unit, Rectifier No.6	First echelon work
K 224/2	1-2	31. 3.45	do	Second to fourth echelon work
K 224/3	1-2	21. 5.45	Supply Unit, Rectifier No.11	do
K 226/1	1-2 } 1001-3)	3. 3.45	Supply Unit Rectifier No.13 and Smoothing Unit No.1	Identification List and Echelon Repair Schedule
K 293/1	1-2	5. 5.45	Supply Unit Rectifier No.7	First echelon work
K 294/1	1	12. 4.45	do	Second to fourth echelon work
K 532/1	1	3. 3.45	Rejector Unit No.1 Mks.I & II	General Description
K 534/1	1	28. 2.45	do	Second to fourth echelon work
L 260/3	3-4	7. 5.45	Lorry 3-ton Wireless HP.Type E,F,K	Data Summary (cont'd)
L 313/1	1-6	3. 3.45	Lorry 3-ton Command (HP) Type A or C	First echelon work
L 313/2	1-6	5. 3.45	do do Type B, DC.610	do
L 500/1	1-3	3. 3.45	Golden Arrow Mk.I	Data Summary
L 700	1-2	21. 4.45	Wireless Station No.63	do
M 103/1	1-4	20. 3.45	ACV - x 4 (LP) W.S. 19HP/19A	First echelon work

Declassified E.O. 12356 Section 3.3/NND No.

785020

154	Data Summary	do
100	do	do
109, R109A, B & C	First echelon work	do
201	do	do
206 & Power Supply	do	do
20.15	General Description	do
208	First echelon work	do
F.G. 20/10	do	do
Marconi) R.G.35	do	do
F.P.4	Data Summary	do
st Type C No.3	do	do
19	General Description (cont'd)	do
9 Mk.II	Service Data- First echelon work	do
21	Second to fourth echelon work	REME 2-4th line workshops
38 A.F.V.	General Description	REME & R.Signals concerned
38	Change of REME numbering	do
42	Data Summary	do
46	Second to fourth echelon work	REME 2-4th line workshops
62	Service Data- 2-4th echelon	do
	General Description (cont'd)	REME & R.Signals concerned
iver T.R.1143	General Description	do
tifier No.6	First echelon work	do
tifier No.11	Second to fourth echelon work	REME 2-4th line workshops
tifier No.13 and	do	do
o.1	Identification List and	REME & R.Signals concerned
tifier No.7	Echelon Repair Schedule	
.1 Mks.I & II	First echelon work	do
	Second to fourth echelon work	REME 2-4th line workshops
	General Description	REME & R.Signals concerned
less HP.Type B,F,K	Second to fourth echelon work	REME 2-4th line workshops
and (HP) Type A or C	Data Summary (cont'd)	REME & R.Signals concerned
o Type B, PC.610	First echelon work	do
	do	do
	Data Summary	do
No.63	do	do
S. 19HE/19/A	First echelon work	do

Sheet 4.

No.	Page	Issued	Equipment	Details
Telecommunications (cont'd)				
O 132	1-68) 1001-1144)	1. 8.44	Equipment Radar A.A. No.3 Mk.II	General Description
O 200	1-2	26. 4.45	Eqpt. Radar A.A. No.4 Mk.II & III(LW)	Data Summary
O 203	15-18	26. 4.45	Eqpt. Radar A.A. No.4 Mk.II & III	First echelon work (Issue 2)
O 203	45-46	12. 3.45	do	do
O 204	25-38	29. 1.45	do	Second to fourth echelon work
O 210	1-2	9. 5.45	Eqpt. Radar A.A. No.4 Mk.V	Data Summary
O 260	1-2	26. 4.45	Eqpt. Radar A.A. No.6 Mk.III	do
O 383/1	1-2	19. 3.45	Eqpt. I.F.F. Mk.III (Radar No.1 Mk.II)	First echelon work
O 400	1	30. 5.45	Identification Eqpt. Radar No.1C & 1D	Data Summary
O 412/2	1-2) 1001-2)	5. 3.45	Eqpt. I.F.F. Mk.III (Radar No.2 Mk.8)	General Description
O 482	1-8) 1001-33)	19. 3.45	Eqpt. Radar N.T. 271 Q	do
P 123	1-2	23.10.44	Eqpt. Radar AA No.1 Mk.II Receiver	First echelon work
P 123	3-4	19. 3.45	A.A. No.1 Mk.II RX	do
P 123	5	15. 1.45	do	do
S 140	1-2	16. 5.45	Trainer Radar AA Nos.10 & 10A	Data Summary
S 630	1	30. 5.45	Trainer Radar A.A. No.201	do
S 643	1-2	26. 5.45	Trainer Radar A.A. No.202	First echelon work
T 102/3	1-2) 1001)	20. 3.45	Telephone Set L	General Description
T 130/1	1-2	12. 4.45	Keyboards Multiphone AD 569 & AD 1316	Data Summary
T 132/1	1-5) 1001-7)	1. 4.45	do	General Description
T 200/2	1-2	7. 5.45	Fullerphones Mk.IV, IV ^x , V & VI	Data Summary
T 203/2	1-2) 1001)	7. 5.45	do	First echelon work
T 204/2	1-2) 1001)	7. 5.45	do	Second to fourth echelon work
T 220/1	1	18. 5.45	Telewriter	Data Summary
T 283/3	1-2) 1001-2)	10.11.44	Wheatstone Transmitter (Elliott)	First echelon work
T 283/6	1-7) 1001)	3. 3.45	Morse Page Printer	do
T 284/8	1-2	20.12.44	Recording Bridge (Marconi) RB 150	Second to fourth echelon work
T 284/11	1-3	4. 1.45	Speed Relay No.27	do

0997

Declassified E.O. 12356 Section 3.3/NND No.

785020

Sheet 4.

8427

Equipment	Details	Required by
Cent Radar A.A. No.3 Mk.II	General Description	REME all line workshops. (Restricted)
Radar A.A. No.4 Mk.II & III(LW)	Data Summary	REME all line workshops
Radar A.A. No.4 Mk.II & III	First echelon work (Issue 2)	do
do	do	do
do	Second to fourth echelon work	REME 2-4th line workshops
Radar A.A. No.4 Mk.V	Data Summary	REME all line workshops
Radar A.A. No.6 Mk.III	do	do
I.F.F. Mk.III (Radar No.1 Mk.II)	First echelon work	do
ification Eqpt. Radar No.10 & 1D	Data Summary	do
I.F.F. Mk.III (Radar No.2 Mk.8)	General Description	do
Radar N.T. 271 Q	do	do
Radar AA No.1 Mk.II Receiver	First echelon work	do
No.1 Mk.II RX	do	do
do	do	do
ner Radar AA Nos.10 & 10A	Data Summary	do
ner Radar A.A. No.201	do	do
ner Radar A.A. No.202	First echelon work	do
phone Set L	General Description	REME & R.Signals concerned
boards Multiphone AD 569 & AD 1316	Data Summary	do
do	General Description	do
erphones Mk.IV,IV ^x , V & VI	Data Summary	do
do	First echelon work	do
do	Second to fourth echelon work	REME 2-4th line workshops
ewriter	Data Summary	REME & R.Signals concerned
ystone Transmitter (Elliott)	First echelon work	do
Page Printer	do	do
rding Bridge (Marconi) RB 150	Second to fourth echelon work	REME 2-4th line workshops
do	do	do

Declassified E.O. 12356 Section 3.3/NND No. 785020

T 204/2	1001) 1-2) 1001)	7. 5.45	do	do	Second to fourth echelon work
T 220/1	1	18. 5.45	Telewriter		Data Summary
T 283/3	1-2) 1001-2) 1-7) 1001)	10.11.44	Wheatstone Transmitter (Elliott)		First echelon work
T 283/6	1-7) 1001)	3. 3.45	Morse Page Printer		do
T 284/8	1-2	20.12.44	Recording Bridge (Marconi) RB 150		Second to fourth echelon work
T 284/11	1-3	10. 4.45	Creed Relay No.27		do
T 300/4	1	23. 3.45	Switchboard A.A. 5-line		Data Summary
T 303/1	1-5) 1001-2)	28. 3.45	Switchboards U.C. 10-line & 6-line		First echelon work
T 304/3	1	21. 5.45	Switchboard Magneto 10-line (W.D)		Second to fourth echelon work
T 306/3	1-2) 1001-4)	12.44	do		Identification List and Echelon Repair Schedule
T 323/2	1-23) 1001-3)	14. 2.45	Exchange Magneto Unit Type N Positions		First echelon work
T 392/1	1-2) 1001-2)	28. 3.45	Frames D & P. 10-wire Mk.I ^x Sets		General Description
T 393/1	1-2	10. 3.45	do		First echelon work
T 393/4	1-2) 1001)	31. 3.45	Units Amplifying Nos.23A, 23B, 23D		do
T 423	1-21	9. 3.45	Exchange CB Multiple (WD) Unit Type		do
T 423/1	1-12	1. 3.45	Switchboard & Associated Equipment		do
T 524	1-11	30. 1.45	Repeater Telephone 8-circuit Mk.II		Second to fourth echelon work
T 572/1	1-7) 1001-5)	5. 5.45	Repeater Stabilized Two-Wire No.3		General Description
T 620/1	1	30. 4.45	Repeater Ringing No.1		Data Summary
U 103/1	6	30. 6.45	Apparatus Terminal Carrier Telephone		First echelon work (cont)
U 103/2	39	30. 6.45	Apparatus Carrier Telephone		do
U 152/1	1-11) 1001-16)	1. 4.45	Apparatus Carrier Telephone		General Description
U 153/1	1-12) 1001-7)	1. 4.45	Apparatus Carrier Telephone		First echelon work
U 190/1	1-4	28. 2.45	Apparatus Carrier Telephone (1+3)		Data Summary
U 200	1-2	10. 3.45	Apparatus VF Telegraph 6-Channel		Data Summary
U 220/1	1-2	10. 3.45	Apparatus VF Telegraph 3-Channel		do
U 260/2	1-2	7. 5.45	Apparatus VF Telegraph S+Dx No.2		do
U 303/1	4	30. 6.45	Repeater Carrier Telephone No.1 Mk.I		First echelon work (cont)
U 303/2	9	30. 6.45	do do No.1 T Mk.II		do
U 332/1	1-4) 1001-10)	20. 4.45	Repeater Carrier Telephone 1+1W Mk.I ^x		General Description
U 332/2	1003	21. 5.45	do do (1+1) Two-wire No.2		do
U 333/1	1-5) 1001-2)	5. 5.45	do do 1+1W Mk.I ^x		First echelon work
U 333/2	3-4	30. 5.45	do do (1+1) Two-wire No.2		do
U 392/1	1-2) 1001-4)	5. 3.45	Repeater VF Telegraph No.1		General Description
U 712/2	1-2) 1001)	15. 4.45	Balance & By-Pass Filter Unit		do

Declassified E.O. 12356 Section 3.3/NND No.

785020

do	Second to fourth echelon work	REME 2-4th line workshops
Transmitter (Elliott)	Data Summary	REME & R.Signals concerned
	First echelon work	do
Inter	do	do
Age (Marconi) RB 150	Second to fourth echelon work	REME 2-4th line workshops
6.27	do	do
A. 5-line	Data Summary	REME & R.Signals concerned
U.C. 10-line & 6-line	First echelon work	do
Magneto 10-line (W.D)	Second to fourth echelon work	REME 2-4th line workshops
do	Identification List and Echelon Repair Schedule	REME & R.Signals concerned
eto Unit Type N Positions	First echelon work	do
10-wire Mk.I ^x Sets	General Description	do
do	First echelon work	do
ing Nos.23A, 23B, 23D	do	REME all line workshops
Multiple (WD) Unit Type	do	REME & R.Signals concerned
Associated Equipment	do	do
phone 8-circuit Mk.II	Second to fourth echelon work	REME 2-4th line workshops
ilized Two-Wire No.3	General Description	REME & R.Signals concerned
ing No.1	Data Summary	do
iminal Carrier Telephone	First echelon work (cont'd)	do
rier Telephone	do	do
rier Telephone	General Description	do
rier Telephone	First echelon work	do
rier Telephone (1+3)	Data Summary	do
Telegraph 6-Channel	Data Summary	do
Telegraph 3-Channel	do	do
Telegraph S+Dx No.2	do	do
rier Telephone No.1 Mk.I	First echelon work (cont'd)	do
do No.1 T Mk.II	do	do
rier Telephone 1+1W Mk.I ^x	General Description	do
o (1+1) Two-wire No.2	do	do
o 1+1W Mk.I ^x	First echelon work	do
o (1+1) Two-wire No.2	do	do
elegraph No.1	General Description	do
Pass Filter Unit	do	do

Declassified E.O. 12356 Section 3.3/NND No.

785020

Sheet 5 .

No.	Page	Issued	Equipment	Details
<u>Telecommunications (cont'd)</u>				
Y 110/1	1	14. 1.45	Voltmeter, Valve, Acorn No.1	Data Summary
Y 126/1	1-3) 1001)	.10.44	Meters Output Power No.1 Mk.I	Parts List and Echelon Repair Schedule
Y 144/3	1-2	7. 5.45	Tester Transmission Measuring Set No.2	Second to fourth echelon work
Y 201/1	1-2	30. 4.45	Measuring Set Field Strength RF No.3	Operator's Instructions
Y 201/2	1-2	15. 6.45	Measuring Set Field Strength RF No.4	do
Y 202/1	1-2	30. 4.45	Measuring Set Field Strength RF No.3	General Description
Y 442/1	1-2) 1001)	5. 5.45	Test Set Insulation No.2	do
Y 500/1	1-2	12. 4.45	Meter Circuit Magnification No.1	Data Summary
Y 600/1	1-8) 1001-21)	28. 3.45	Wavemeter Standard No.2	General Description
Y 610/4	1	21. 5.45	Wavemeter G82A	Data Summary
Y 611/4	1-2	30. 4.45	Wavemeter G82 and G82A	Operator's Instructions
Y 612/4	4-5) 1003-4)	21. 5.45	Wavemeter G82A	General Description
Y 620/1	1	10. 7.44	Wavemeter No.3	Data Summary
Y 620/2	1	10. 7.44	Wavemeter No.4 Mk.I	do
Y 630/1	1-2	7. 5.45	Test Set Deviation P.M. No.1	do
Y 672/2	1-2	31. 3.44	Calibrator Crystal No.1	General Description
Z 102/5	1-2) 1001-3)	2. 4.45	Oscillator Alignment No.1 Mk.1/1	do
Z 312/1	1-3) 1001-8)	2. 4.45	Signal Generators No.6 Types A,B,C,D.	do
Z 476/1	1-4	1.12.44	Galvanometers No.24A	Parts List & Ech.Repair Sched
Z 516/1	1-2) 1001)	. 1.45	Testers Relay 299 A.N.	do do
Z 752/2	1-3) 1001-2)	17. 4.44	Test Set Transr.Output SLC No.1 Mks.I & I ^x	General Description
S 590	1	9. 5.45	Trainers Radar AA No.13, 13A & 13B	Data Summary

NORTH AMERICAN E.M.E.Rs

Telecommunications

BY 214	1-8	Nov.44	Detector Set SCR-625	Second to fourth echelon work
--------	-----	--------	----------------------	-------------------------------

Declassified E.O. 12356 Section 3.3/NND No.

785020

Sheet 5.

8426

Details	Required by
No.1 Mk.I Measuring Set No.2 Length RF No.3 Length RF No.4 Length RF No.3 2	REME all line workshops REME 2-4th line workshops do REME all line workshops REME 2-4th line workshops REME all line workshops do
tion No.1 2 Data Summary General Description Data Summary Operator's Instructions General Description	REME 2-4th line workshops do do REME all line workshops do
No.1 0.1 Mk.1/1 General Description do	do do REME 2-4th line workshops REME all line workshops do
Types A,B,C,D. do Parts List & Ech.Repair Schedule do do	REME 2-4th line workshops REME & R.Signals concerned do
SLC No.1 General Description	REME all line workshops
3, 13A & 13B Data Summary AMERICAN E.M.E.Rs	do
Second to fourth echelon work	REME 2-4th line workshops

1002

785020

Declassified E.O. 12356 Section 3.3/NND No.

Z 516/1	1-2 } 1001 }	. 1.45	Testers Relay 299 A.N.	do	do
Z 752/2	1-3 } 1001-2 }	17. 4.44	Test Set Transr.Output SIC No.1 Mks.I & I ^x	General Description	
S 590	1	9. 5.45	Trainers Radar AA No.13, 13A & 13B	Data Summary	

NORTH AMERICAN E.M.E.Re

Telecommunications

BY 214	1-8	Nov.44	Detector Set SCR-625	Second to fourth echelon	
OY 510/1	1-2	Dec.44	Wire Recorder Model 50 (Type 13-A-3D)	Data Summary	
GY 620	1-2	Dec.44	Reception Set AR-88	do	
IY 120	1-2	Dec.44	Generator Hand 10 watts Mk.II	do	
JY 100	1-2	Dec.44	Wireless Set No.48	do	
MY 200	1-2	Jan.45	Radio Set SCR-300	do	
MY 309/1	1-3	Dec.44	Radio Set SCR-536	Camouflage Measures	
MY 430	1-2	May 45	Radio Sets SCR-808 & SCR-828	Data Summary	
UY 430	1-2	May 45	Ringer TP-8 (Voice Frequency)	do	
ZY 742/1	1-13 } 1001-3 }	Mar.45	Line Testing Eqpt. Test Set EE-65	General Description	
ZY 743/1	1-2	Mar.45	do	do	First echelon work
FZ 520	1-4	Nov.44	Wireless Set Canadian No.52	Data Summary	
FZ 522	1-9 } 1001-11 }	Feb.45	do	do	Description
FZ 523	1-14 } 1001-22 }	Feb.45	do	do	First echelon work
FZ 524	1-84	Feb.45	do	do	Second to fourth echelon
KZ 200	1-2	Aug.44	Vibrator Power Unit SC-999-F	Data Summary	
KZ 202	1-2 } 1001 }	Aug.44	do	do	Description
KZ 242	1-4	31. 1.44	Supply Unit ZE 11	Technical Description	
YZ 661	1	14. 1.44	Crystal Calibrator for Wireless Set No.19.	Operating Instructions	

1003

Declassified E.O. 12356 Section 3.3/NND No. 785020

A.N.	do	do	do
Output SLC No.1	General Description	REME all line workshops	
No.13, 13A & 13B	Data Summary	do	
<u>NORTH AMERICAN E.M.E.Rs</u>			
625	Second to fourth echelon work	REME 2-4th line workshops	
el 50 (Type 15-A-3D)	Data Summary	REME & R.Signals concerned	
88	do	do	
watts Mk.II	do	do	
8	do	do	
	do	do	
	Camouflage Measures	do	
8 & SCR-828	Data Summary	do	
e Frequency)	do	do	
. Test Set EE-65	General Description	do	
do	First echelon work	do	
adian No.52	Data Summary	do	
do	Description	do	
do	First echelon work	do	
do	Second to fourth echelon work	REME 2-4th line workshops	
nit SC-999-F	Data Summary	REME & R.Signals concerned	
do	Description	do	
	Technical Description	do	
or for Wireless.	Operating Instructions	do	
19.			

ELECTRICAL AND MECHANICAL
ENGINEERING REGULATION

TELECOMMUNICATIONS
T 632/1

VIBRATOR, RINGING, 12V OR 24V

GENERAL DESCRIPTION

GENERAL

Purpose

1. The Vibrator, ringing, is designed to supply, from a D.C. power supply, ringing tone at 17c/s for operating magneto type telephone calling systems.

Facilities

2. The unit is self-contained, requiring a 12V or 24V battery for operation, and is started by a switch which may be remote-controlled. One type is made for 12V and another for 24V.

3. The performance figures of the unit are:—

(a) Voltage output, across 1,000 Ω non-inductive load: 65–70V.

(b) Frequency of output: 16–20c/s.

(c) Current consumption:—

(i) Off load: 12V, 340mA; 24V, 200mA.

(ii) On load: 12V, 650mA; 24V, 330mA.

CONSTRUCTION

4. The components are mounted on a baseplate and enclosed in a strong metal box with a hinged lid at the front.

5. Connections to the instrument are made to a row of terminals on the front of the unit, under the lid, the lid being kept open when the unit is connected up. (Fig. 1002).

6. The terminals are, reading from left to right, OUTPUT, START and BATT.

TECHNICAL DESCRIPTION

7. The unit consists of an oscillating relay A/3, driven from a D.C. source and feeding an interrupted supply to a centre-tapped transformer.

8. The schematic circuit of the vibrator is given in Fig. 1001. On shorting the start contacts together, the D.C. supply voltage energizes the windings of the relay A/3. This relay is slugged to make it slow in operation.

Declassified E.O. 12356 Section 3.3/NND No.

785020

TELECOMMUNICATIONS
T 632/1ELECTRICAL AND MECHANICAL
ENGINEERING REGULATIONS

9. The instant the relay operates, the contact A3 closes and a current flows in the one half of the primary of the transformer T1, which, on the instant of starting, induces a voltage in the secondary.

10. On operating, the contact A1 breaks the operating circuit of the relay and the armature falls back to the normal position, R2 and C2 acting as spark suppression.

11. When the relay goes back to normal, the contact A3 opens and the current flowing in the primary ceases suddenly, so giving another impulse in the secondary of the transformer. The condenser C1B and the resistor R1B act as a spark suppressor to absorb the energy left in the transformer winding when the contact opens.

12. With the relay in the normal position, a circuit is formed via the other half of the primary of the transformer, which, on the instant of making and breaking the circuit, induces a voltage in the secondary of the transformer, in the direction opposite to that under conditions detailed in para. 9.

13. The releasing of the relay closes the contact A1 in the operating circuit of the relay again and so the operating cycle (paras. 8-12) continues, the frequency depending on the natural operating frequency of the slugged relay, which is some 16-20c/s.

14. The 4 μ F condenser C3 tunes the secondary of the transformer to 17c/s, so allowing maximum voltage to be developed across the output terminals, and also to act as a by-pass for any higher harmonics of 17c/s in the output wave form.

OPERATION

15. As will be seen from the above description, the unit is self-starting as soon as the START contacts are short-circuited, and maintains its operation as long as the short exists.

16. The switch, or key, controlling the start conditions may be remote from the unit and mounted on the switchboard with which the vibrator is used.

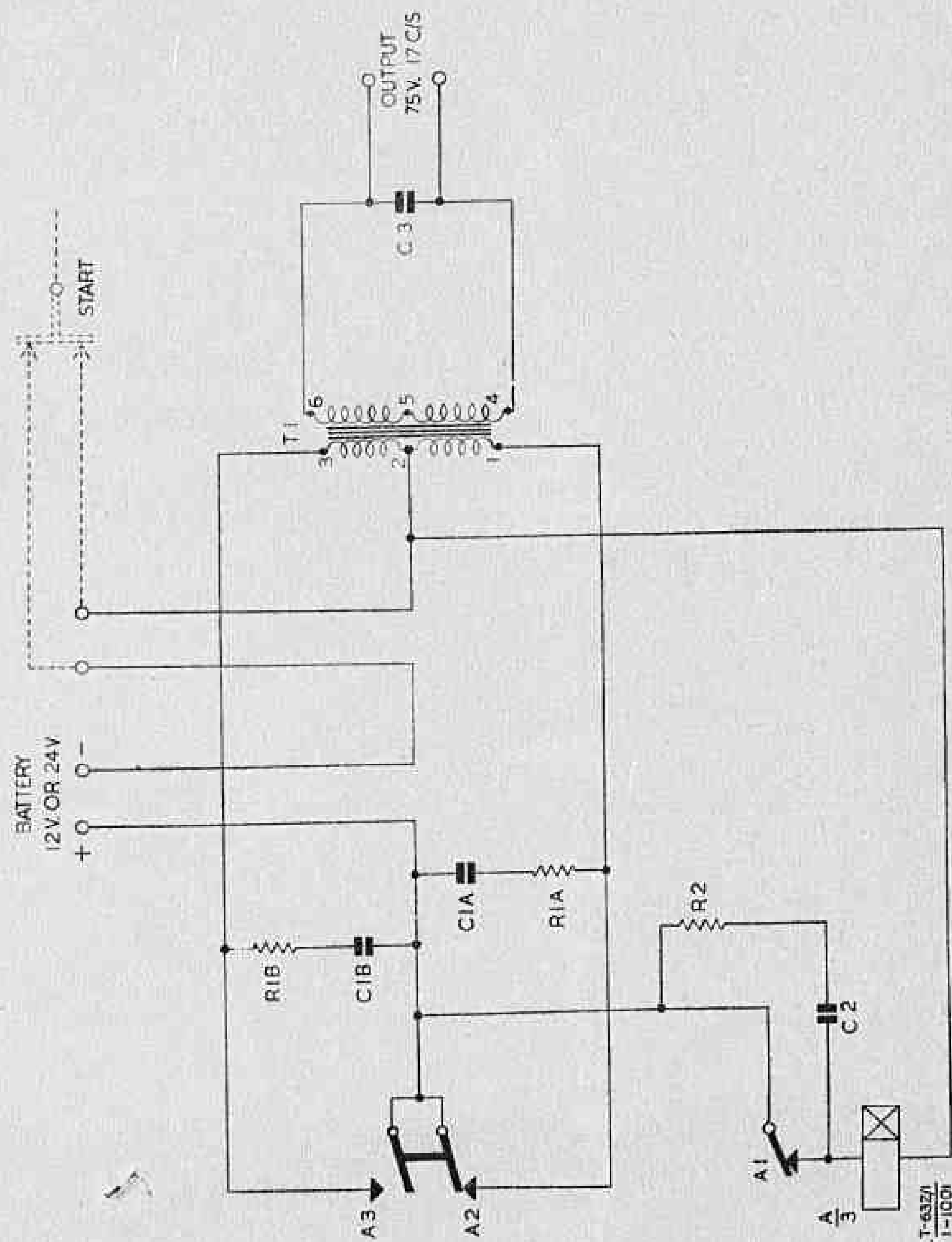
Declassified E.O. 12356 Section 3.3/NND No. 785020TELECOMMUNICATIONS
T 632/1ELECTRICAL AND MECHANICAL
ENGINEERING REGULATIONS

Fig. 1001—Circuit diagram,

1007

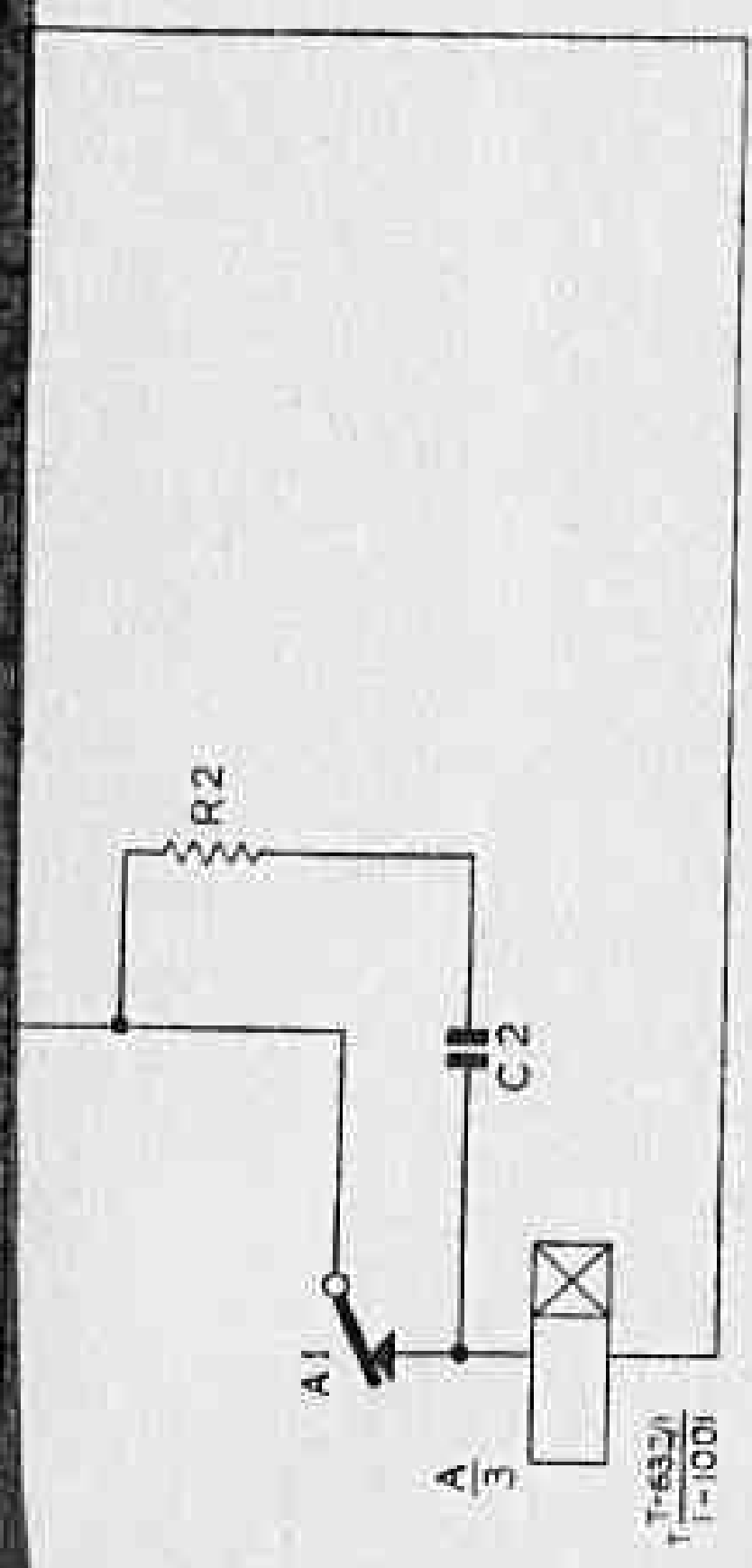


Fig. 1001—Circuit diagram,

Circuit reference	Value	Rating	Tolerance	Type
C1	2μF	350V D.C.	±15%	CONDENSERS
C2	0.1μF	350V D.C.	±15%	Condenser, paper, 2D
C3	4μF	350V D.C.	±15%	Condenser, tubular, PIM
R1	20Ω	1W	±10%	CONDENSERS
R2	15Ω	1W	±10%	Condenser, paper, 4A
T1				RESISTORS
				Resistor, type 3A
				Resistor, type 3A
				TRANSFORMERS
				Transformer 12V or
				Transformer 24V
Relay A/3				RELAYS
				Relay type 3000(W.D.)
				P for 12V.
				Relay type; 3000
				(W.D.), Q for 24V.

Table 1001—Component list for Vibrator, ringing, 12V and 24V.

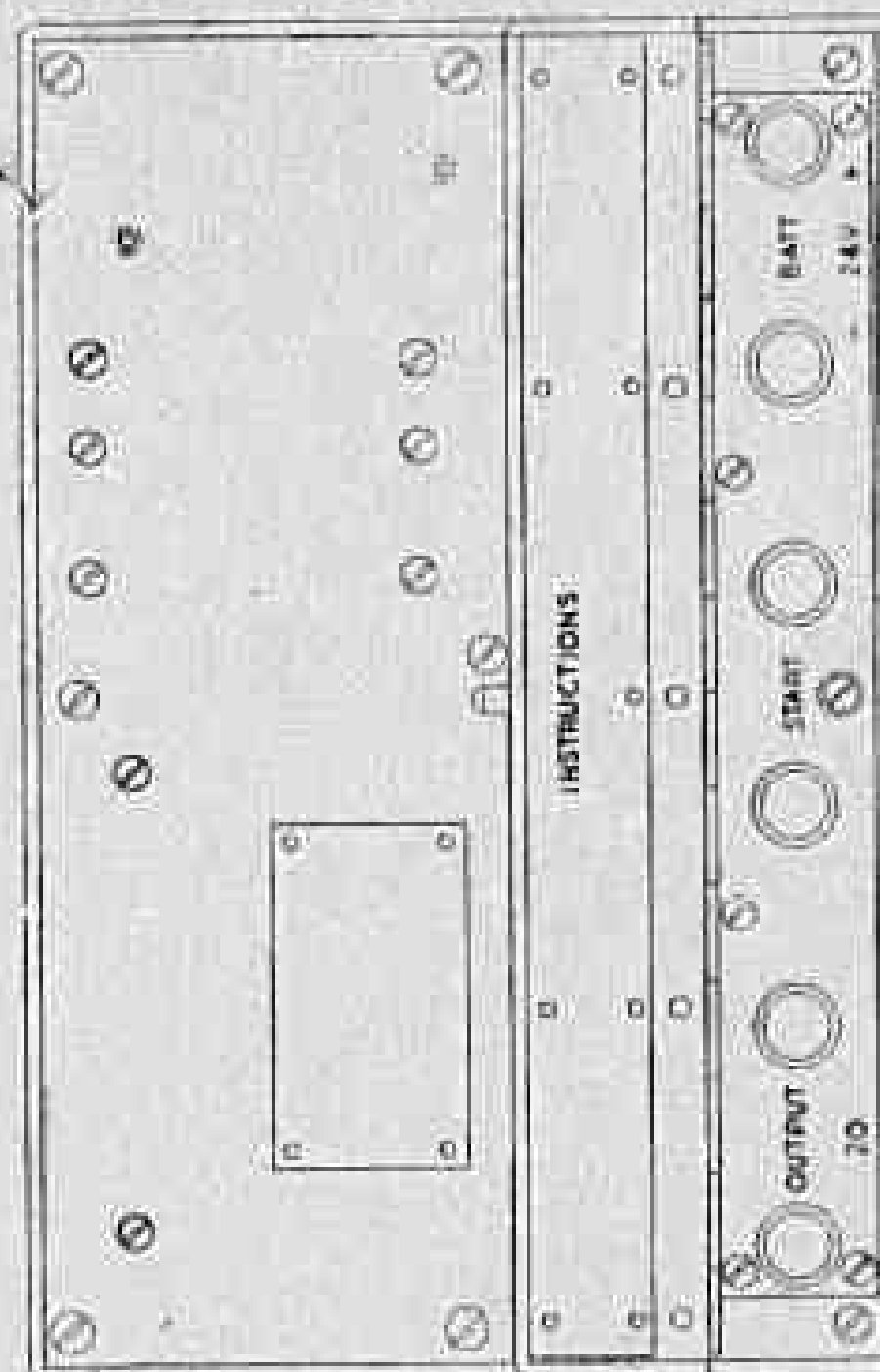
8424

1008

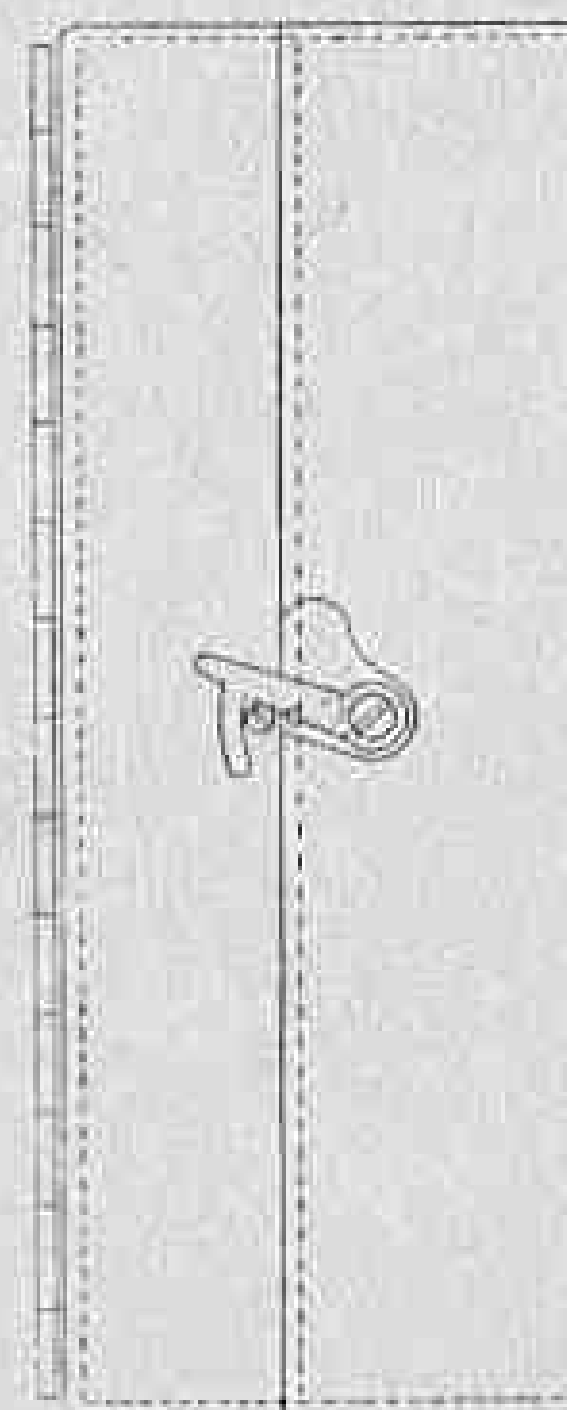
Declassified E.O. 12356 Section 3.3/NND No. 785020

ELECTRICAL AND MECHANICAL
ENGINEERING REGULATIONS

TELECOMMUNICATIONS
T 632/1



PLAN-COVER LIFTED



FRONT ELEVATION

Fig. 1002—Vibrator, ringing, in case

T-632/1
T-1002

1009

Declassified E.O. 12356 Section 3.3/NND No. 785020

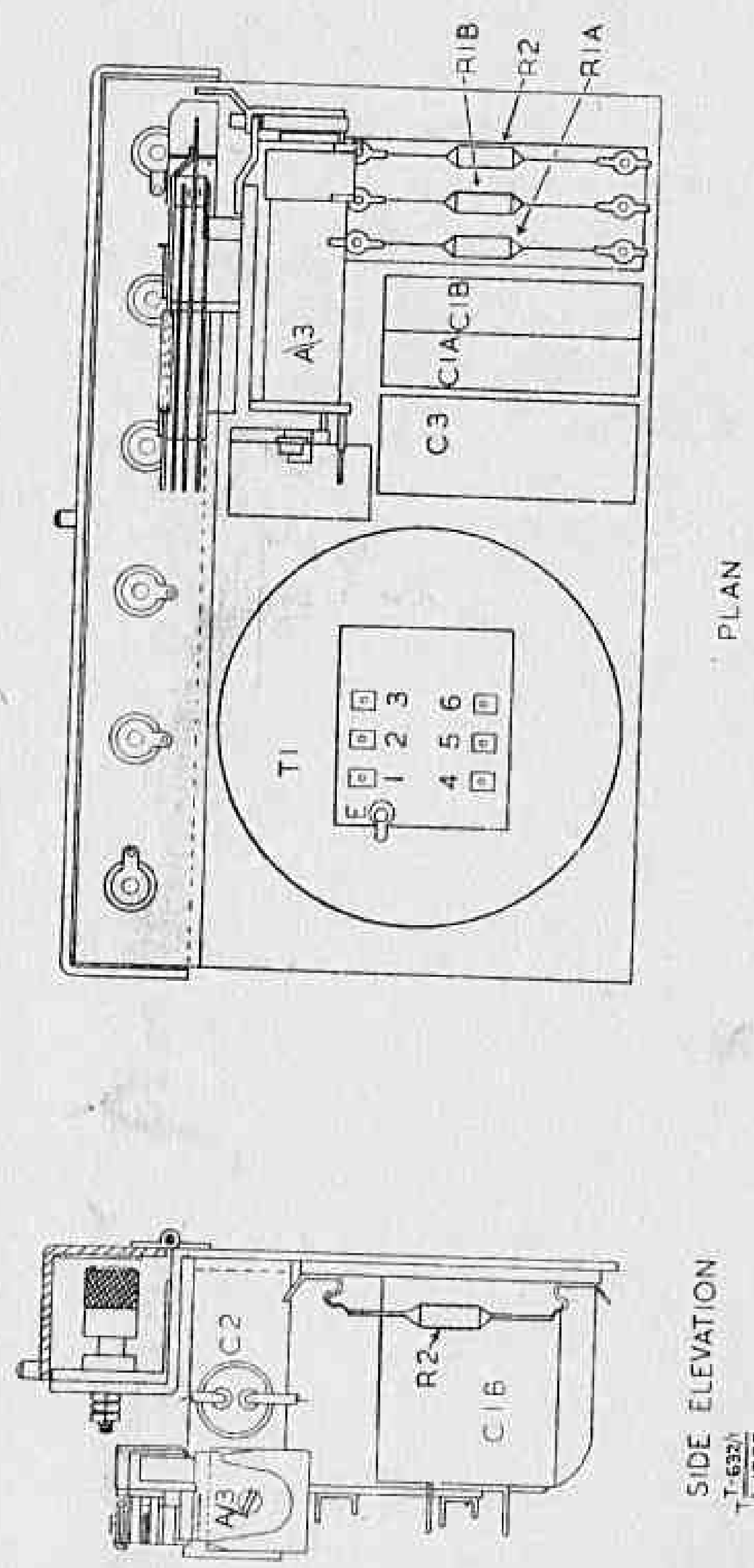


Fig. 1003—Vibrator, ringing, out of case

END

Issue 1, 21 May, 1945

785020

Distribution - As For US Latin Amm No. 32.

Declassified E.O. 12356 Section 3.3/NND No.

785020

William
C. A. WILSON, Capt. U.S. Army
for Major General
Director of Mechanical Engineering

Distribution - As per TLE Main Test No. 32.

PLA RENE JONES

R. J. Jones

8422

Declassified E.O. 12356 Section 3.3/NND No.

785020

Appendix II to INS Adm Instr No. 32

Issued with Amendment No. 2.

CHECK # 694

Name **KARINO ANTONIO** Head of HH **Wife - MARIA**
Date of Birth **8th July 1903** Nationality **Italian**
Address **Corso Umberto, 44, NAPLES**
Date Employed **1st June 45** Trade **Pattern Mf**

DATE	1/6	15/6	1/8	15/8			
BASIC PAY	140	141	135	145			
C.L.B.	140	140	132	130			

FULL RATIONS OR MIDSHIFT MEAL OR NO RATIONS

Date of Discharge Reason
Employee's Signature
Signature of Employing Officer

C.I.D.

24

230

25



10

100

ROLL, RAYMOND C. MIDSHIFF ANAL. OF MO. PATIENS

[illegible]

.....
 Replicator's Signature

Signature of Employing Officer

COMPANY: VERBODEN

[illegible]

8422

No. 785 012 0

[illegible]

785020

[illegible]

Employing Unit NE Wyo P/S "X" 1. SUMMER, 1947 2 JUN 45
 Date

Transferred to "2nd S/W "Q" BW T. JONES, Capt Date 6 Aug 45

THE
FEDERAL
BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE
WASHINGTON, D. C. 20535

Options in Debt

785020

P/A.

REME Instructions

REMIT

Copy to 13

100-42

Subtopic - Chemical Classification

21. These items supersede those despatched under cover of the 4/11 letter.

5. Amendments necessitated by reorganizations, etc.,
hereinafter etc. will be made automatically by this Bureau
etc.

From *Monte Palmer Lodge*.

8420

Director of Mechanical Engineering,

R
7/9/45

SECRET

DISTRIBUTION POINTS, ROME ARMC

List 'A' - HQs under COMD ARMC

DIRS BTA
DIRS 13 Corps
DIRS 14 (G)
DIRS 3 Dist
DIRS 2 Dist
OT REE Inspectorate
DIRS Rome Allied Area Command

List 'B' - Base and Adv Base Installations

COMS 16 Base Wksp
COMS 750 Base Wksp
COMS 1 Adv Base Wksp
COMS 750 Adv Base Wksp
COMS 740 Adv Base Wksp
COMS 695 Base MG Wksp

List 'C' - Major Installations ARMC

List B - Plus
CC Tyre Repair Wksp
CC 698 VAW
CC 620 Medical Hqpt Wksp
CC Chem & Met Lab
CC 650 Tls Tps Wksp
CC 716 Engr Hqpt Wksp
CC 734 Engr Hqpt Wksp
CC 712 L of C Tols Rep Wksp

List 'D' - Main HQs, Subs & Immediate Lower HQs

0000 1 Adv Base Wksp
0000 730 Adv Base Wksp
0000 740 Adv Base Wksp
0000 693 Base Mfg Wksp

List 'C' - Major Installations

List B - Plus
00 Type Repair Wksp
00 698 VAW
00 620 Medical Equip Wksp
00 Chem & Met Lab
00 660 Trk Tps Wksp
00 716 Engr Bldg Wksp
00 734 Engr Bldg Wksp
00 711 L of C Tels Rpt Wksp

List 'D' - Main Hqs Team & Immediate Lower IN Bldgs

List A - Plus
ADME 5 Corps
JAGME Divisions
RMS AA Bdes
BDEs Independent Bdes
ADME and DADME Areas & Sub Areas
DADME BDEA

List 'E'

List C Plus List D

List 'F' - General Distribution

List E - Plus
ADME A and Replacement Co
ADME BDE (G)
ADME 26 BLD
DADME MIA
DADME OP A P
Comm School of E & M
00 Civil Labour Office

RMS 30 BLU
RMS 51 BLU
RMS 52 BLU
RMS 53 BLU
RMS 56 BLU
Q-1(17) A9
Q(45) (for all Adm Instrs)

8419

See A2

1019

Declassified E.O. 12356 Section 3.3/NND No.

785020

P/A REAME
Insert

EME/1701

ARMED FORCE HEADQUARTERS
EME

ISS: ADMINISTRATIVE INSTRUCTION NO. 52

EME/1321

AMENDMENT No. 1

3 Sep 65

Para 2 line 2

Delete "Civil Labour Unit"

Insert "Civil Labour Office, REAME"

REAME

Attach appendices I and II enclosed.

R. T. Tilley

R. TILLEY, Major,
EME,

for Major-General,

Director of Mechanical Engineering.

Distribution: - as for MEA Adm Inst No. 52.

8418

7/7/45

1020

Declassified E.O. 12356 Section 3.3/NND No.

785020

1021

Declassified E.O. 12356 Section 3.3/NND No.

785020

8417

1022

Declassified E.O. 12356 Section 3.3/NND No. 785020

69%

MARINO ANTONIO

8 JUL 1903

CORSO UMBERTO, 44, NAPLES

5 DEC 64

Wife - MARIA

Italian

PRISONER OF WAR

	5/12-19/22	30/4	2/3	20/3
BASIC PAY	100	120	125	135
G.I.B.	60	60	77	77

FULL RATIONS OR MIDNIGHT MEAL OR NO RATIONS

1023

Declassified E.O. 12356 Section 3.3/NND No. 785020

FOIA b(7) - DATES OR INDICATE MEAL OR NO RATIONS

1-15-12 J.S.

8416

785020

1023

Declassified E.O. 12356 Section 3.3/NND No. 785020

"2" S/W "T" B.W. (Sgt) J. FROM Lt 5, 12, 44
"2" S/W "2" B.W. " J WITH Capt 20, 3, 45

and
file

Done. 17.11.19.
1 GME/1702
PA
Rene Lelias

ARMED FORCE HEADQUARTERS
REME

THE AIR INSTRUCTION NO. 38

CIVIL LABOUR OFFICE REME

Version 192

RE 14/1957

1. GENERAL

This instruction supersedes DFE Administrative Instruction No. 9.

The Civil Labour Office REME (FE 04/351/2) is the central office through which DFE AFM will direct all matters concerning civilian employees of REME Base installations. CC Civil Labour Office will open such Sub-offices as are necessary to carry out this work and will periodically review, under direction of REM AFM, the location of these Sub-offices with regard to movement of the demand for civil labour for REME Base installations.

2. FUNCTION

CC Civil Labour Office will maintain records to enable him to carry out the following duties in connection with all civilian labour employed in REME Base installations:-

- (a) Payment, including all Allowances and Bonuses due.
- (b) Engagement and discharge.
- (c) Control of retraining, trade testing and retraining.
- (d) Approval of leave requests in pay, on behalf of REME Districts, etc.
- (e) Exemptions from Military Service.

In addition, CC Civil Labour Office will, on behalf of REME AFM, control the register of all civilian type impressed published in that AFM.

CC CLO REME and CLO Detachments of CLO REME, only, are authorized to deal with local civil and military labour establishments and Command Engineers, in connection with the employment of civilians by REME Base installations.

CO Civil Labor Office will maintain records to enable him to carry out the following duties in connection with all civilian labor employed in HHS Base Installation:

- (a) Payment, including all allowances and bonuses due.
- (b) Engagement and discharge.
- (c) Control of retraining, trade testing and reentering.
- (d) Approval of increments in pay, on behalf of HHS District, etc.
- (e) Exemptions from Military Service.

In addition, CO Civil Labor Unit will, on behalf of HHS District, control the record of all civilian pay increases received in that area.

CO CIO HHS and COH Detachments of CIO HHS, only, are authorized to deal with local civil and military labor employment and Command Paymaster, in connection with the employment of civilians by HHS Base Installations.

3. MANAGEMENT OF LABOR

CO HHS will submit demands for tradesmen required, using form CIO/D (Appendix I to this Instruction) to CO CIO HHS, who will consolidate the demand and forward it daily to the Civil Labor Unit of the Area command.

The CIO will instruct applicants to report to CIO HHS, where they will be trade tested and graded.

Projected employees will then be sent to the HHS from whom the demand originated, with their "Engagement Card" endorsed with the result of the trade test.

If found suitable for employment the "Engagement Card" will be completed by CO HHS and returned to CIO HHS for onward transmission to the CIO.

All casualties concerning, shortly paid employees will be notified daily by CIO HHS to CIO and HHS and CIO.

4. TRANSMISSION OF EMPLOYMENT

All requests for increments and upgrades will be submitted via AF O 370, in quadruplicate, to the CIO command, who, when necessary, will submit all copies to CIO. After approval by CIO, on behalf of HHS of Service, copies will be disposed of as follows:

4/1/45

8415

Sheet 2

4. Processing of Entries - contd

Original to General Paymaster, No. 8 (P) 000
Duplicate to SIOO concerned
Duplicate retained by JHO
Duplicate to Staff

These cards will not be amended until receipt of a communication
copy of A/C 170. Separates A/C 0 370 are required for increments and increments

5. REGULATIONS AND PAY REGULATIONS

(a) These Rules (Part 1 to 12) will be submitted by each class of Subordinate,
as shown in Appendix 1A, Part I, Regulations for the Employment of
Civilian Labour, (Italy, Sicily, and Maritime) 1947. In the case of
units who use the clock system of time-keeping, the use of Time Books
can be dispensed with. These Rules provide individual time cards
(see Appendix II) will be completed each morning for the previous day's
work.
Markings used on time cards will be as follows:-

- (1) A "tick" for 8 hours work. (12 hours in the case of those
employees) figures will only be used if less than the
required number of hours are worked.
- (11) Small figures over the "tick" for hours of overtime.
- (111) All Night-shift work will be shown in red.
- (12) The seventh consecutive day of work will be shown in red, thus - 8.
(There only part of the seventh consecutive day is worked, say 6
hours, the card will be marked in red - 6 5
- (7) Leave and absence will be shown as under:-

Leave with pay - 1(1)
Leave without pay
and properly certified
sickness - 1(2)
Unauthorized absence - 1

...the clock system of timekeeping, the use of time cards can be eliminated with these records indicated the cards (see Appendix II) will be completed each morning for the previous day's work.

Time cards used on time cards will be as follows:-

- (a) A ticket for 8 hours work. (12 hours in the case of leave employees.) Figures will only be used if less than the required number of hours are worked.
- (b) Small figures over the whole for hours of overtime.
- (c) All night-shift work will be shown in red.
- (d) The seventh consecutive day of work will be shown in red, since there only part of the seventh consecutive day is worked, say 6 hours, the card will be marked in red - 6/8
- (e) Leave and absence will be shown as follows:-

Leave with pay	- 1(1)
Leave without pay	- 1(2)
and properly certified	- 1(3)
absence	- 1(4)
Unpaid absence	- 1(5)

- (f) Time Cards will be kept in the wing office and, in the case of fully paid employees, forwarded to the CIO for filing, as laid down by the CIO. Master Rolls (13 Form II (Issued CIP 1953)) will be completed in the CIO from these Time Cards.
- (g) Time Cards, together with Muster Rolls and the necessary sum of money, will be handed to the paying officer of each shop at CIO 1000.
- (h) In the case of monthly paid employees, completed Time Cards for the month will be forwarded on the last day of the following month to CIO 1000, where they will be completed from the Time Cards.
- (i) Time Cards for monthly employees will be handed to Paying Officers, together with the required sum of money, on the last of each month.
- (j) After payments have been made, Paying Officers will sign all pay sheets, Muster Rolls, etc., as required, and return them, together with any unclaimed wages, to CIO 1000.
- (k) This will be done within 4 days of receipt of the Muster Rolls and wages in the case of weekly paid employees, and within 3 days in the case of monthly paid staff.

! 8414

Sheet 3

5. Disbursement of Pay Accounts - (cont.)

- (a) Disbursement of the pay sheets will be made by CIO staff, after checking, as follows:

1st copy to Command Paymaster
2nd copy filed with Paymaster Account
3rd copy retained at CIO

- (b) Employees subsequently clearing, wages, order to advance on the normal pay day, or for any other reason, will be sent to CIO staff by Dept with their time cards, when payment will be made. If employees are transferred from one ship to another, they will take their time cards with them, and payment for the full period will always be made at the ship in which the employee is working at the end of that period.

6. GENERAL

When an employee is discharged, he will be sent to the CIO, with his card marked up to date and with the reason for his discharge filled in. If he is unsuitable for further employment in this ship, he will be paid off, and the pay sheet closed and disposed of as laid down in para 5 (g).

7. GENERAL LIAISON

CC Civil Labour Office will represent CIO ships on all matters concerning the employment of civilian labour (see para 4.)

He will hold a monthly conference of CIO Employing Units, for which agenda will be issued by him 4 days in advance.

Declassified E.O. 12356 Section 3.3/NND No. 7850206. PASTORAL

When an employee is discharged, he will be sent to the CIO, with his card marked up to date and with the reason for his discharge filled in. If he is unsuitable for further employment in MBS, he will be paid off, and the pay sheet closed and disposed of as laid down in para. 5 (g).

7. GENERAL MISSION

(a) Civil labour office will represent our views on all matters concerning the employment of civilised labour (see para. 2).

It will hold a monthly conference of our employing bodies, for which agenda will be issued by its secretariat.

Pastor
 H. A. PASTOR, Brigadier,
 MBE,
 War Major General,
 Director of Mechanical Engineering. *24 May 45*

Distribution

1st copy: - sent to Formations, DATES FIMA and DATE and FIMA in AUSTRIA.

Information to:

UNION WEA
 CIO 1 Air Base WEA

8413

Declassified E.O. 12356 Section 3.3/NND No. 785020

ALLIED FORCE LOCAL
ELECTRICAL AND MECHANICAL
ENGINEERING INSTRUCTIONS

TELECOMMUNICATION
B 949

Reception Set PLO7
Amplifier, R.F., No. 1

Detail

1. As fitted to Jerry, 3-ton, 4 x 4, Wireless H.P. Types E, F & K, 12 H.P.
- " " " " " Command, H.P. Types A & C, 12 H.P.

Information

2. This instruction, based on D.M.E., War Office R.M.E.R. Telecommunications L 267/5, covers the modification necessary to improve the efficiency of Relays, W.T., No. 50 used as aerial contactors in Wireless Sets No. 12 H.P. in vehicle installations.

3. Difficulties have been experienced with Relay, W.T., No. 50 (ZA 14794) used as the aerial contactor in Wireless Sets No. 12 H.P., due to the travel of the contactor being limited by the auxiliary set of contacts (Contacts, spring, No. 20) shown at 1 in the accompanying drawing. By a slight modification of the contactor and to the Relay unit No. 1 (ZA 15966) it is possible to dispense with these contacts. The difficulty does not arise when Relay, W.T., No. 50A is used as the aerial contactor.

Action

4. By R.E.M.E. and R. Signals personnel concerned.

Instructions

Relay, W.T., No. 50

5. Remove the various connectors, undo the six domed nuts and lift the Amplifier, R.F., No. 1 chassis clear of the Rack mounting No. 3.
6. From the aerial contactor, unscrew and remove the two screws (B in the accompanying drawing) which hold the Contacts, spring, No. 20 in position.
7. Remove the switch contacts (A) and the pigtail (C).
8. Replace the two screws (B) and tighten securely.
9. Disconnect the other pigtail (D) from the screw (E) and cut off near to where it is secured to screw at the other end (F).
10. Bolt pigtail (C) to screw (E) in place of the original pigtail (D).
11. Replace the Amplifier, R.F., No. 1 unit on Rack mounting No. 3.

spring, No.20) shown at 1 in the accompanying drawing. By a slight modification of the contactor and to the Relay unit No.1 (ZA 15966) it is possible to dispense with these contacts. The difficulty does not arise when Relay, W.T., No.50A is used as the aerial contactor.

Action

4. By R.E.M.E. and R. Signals personnel concerned.

Instructions

Relay, W.T., No.50

5. Remove the various connectors, undo the six domed nuts and lift the Amplifier, R.F., No.1 chassis clear of the Rack mounting No.3.
 6. From the aerial contactor, unscrew and remove the two screws (B in the accompanying drawing) which hold the Contacts, spring, No.20 in position.
 7. Remove the switch contacts (A) and the pigtail (C).
 8. Replace the two screws (B) and tighten securely.
 9. Disconnect the other pigtail (D) from the screw (E) and out off near to where it is secured to screw at the other end (F).
 10. Bolt pigtail (C) to screw (E) in place of the original pigtail (D).
 11. Replace the Amplifier, R.F., No.1 unit on Rack mounting No.3, ready for test.
- ##### Relay Unit No.1
12. Remove the unit from the Reception set R.107.
 13. Undo the four 6 B.A. screws in the front of the case and remove the lid from the unit.
 14. Link the contact soldering tags 1 and 2 of the Relay, W.T., No.52, by a suitable length of wire soldered in position. The tags referred to are the one which is connected to the concentric feeder plug (Plug, single, No.26B) and the centre tag which is connected to the centre aerial lug.
 15. Replace the lid on the Relay unit No.1, replace the screws and secure.
 16. Replace the unit in the Reception set R.107 rack and connect ready for test.

1034

Declassified E.O. 12356 Section 3.3/NND No.

785020

TELECOMMUNICATION
B 949

17. Give the installation an operational check as described in the Working Instructions.
18. For all accounting purposes, the number of this modification is T/W/CF/2.

Major,
for Major-General,
Director of Mechanical Engineering,
A.P.H.Q.

Page 2.

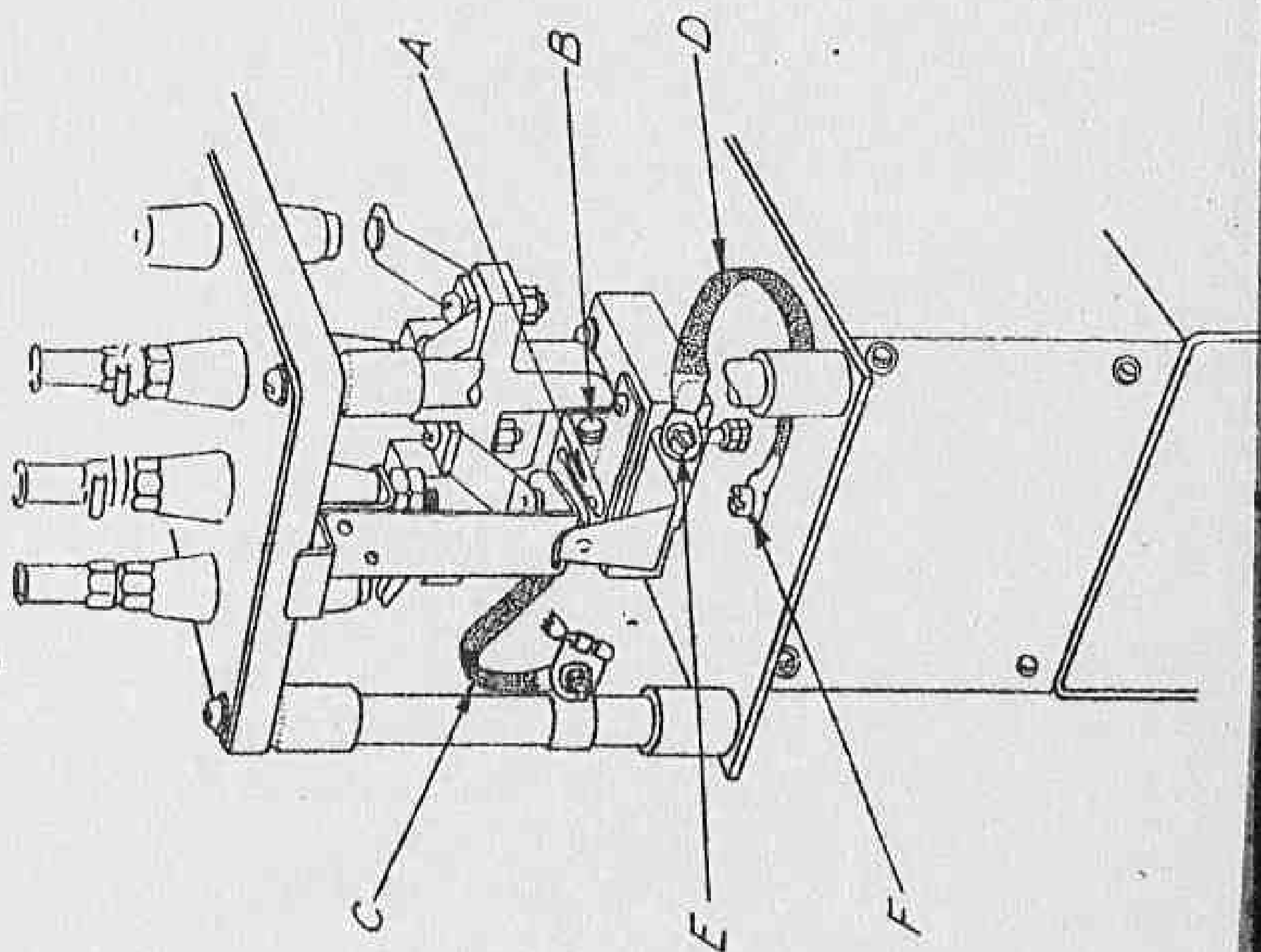
Issue 1. 27 February 1945.

1035

Declassified E.O. 12356 Section 3.3/NND No.

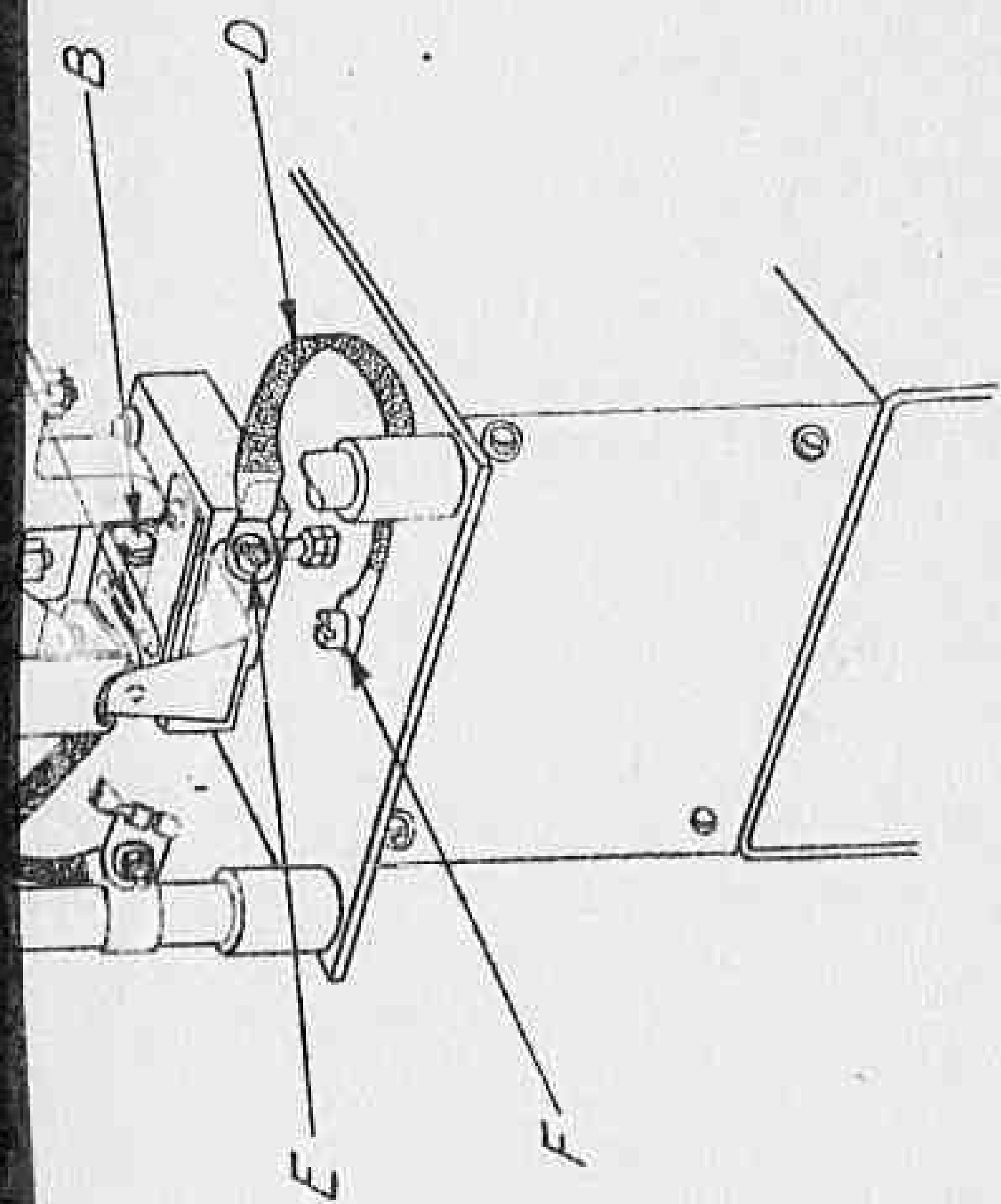
785020

ELECOMMUNICATION
B949



1036

Declassified E.O. 12356 Section 3.3/NND No. 785020



RELAY W.T. N°50; MODIFICATION OF CONTACTS

DDG N°SD 2386

<u>RECEPTION SET RI07 AMPLIFIER R.F. N°1</u>		<u>McBryde</u>
Fitted to {	<u>LOOPY 3 Ton, 4.4 WIRELESS HP TYPES E, F & K, 12 HP</u>	<u>McBryde</u>
	<u>COMMAND, HP TYPES A & C, 12 HP</u>	<u>McBryde</u>
	<u>DATE</u>	<u>23-2-45</u>
	<u>APPROVED</u>	<u>McBryde</u>

PAGE 3

8411

TELECOMMUNICATION
E 956

11. Points requiring lubrication every 512 hours:
 - (a) Load coil control bevel pinions: clean and coat teeth sparingly with grease.
 - (b) Ball spring plunger and disc: clean and coat sparingly with grease.
 - (c) Primary coil control gear and pinion: clean and coat teeth sparingly with grease.
- Axle RD-27-A
 12. For temperatures above 32°F., use H.D.30 oil; for temperatures 32°F. to 32°F., use H.D.10.
 13. Every 32 hours of operation wash axle using solvent, dry-cleaning, or oil, fuel, Diesel. Remove handle and lock; clean lock and flush out bearings. Lubricate and replace handle. Lubricate bearings of fixed handle by applying oil liberally at opening between axle shaft and inner end of handle.
- Ventilating Fan
 14. For temperatures above 32°F., use H.D.30 oil; between 32°F. and 32°F., use H.D.10 oil.
 15. Every 1,024 hours of operation, remove filter element covering fan motor and the fan assembly by turning one-quarter turn counterclockwise. Apply four to six drops of oil to the motor bearings.
 16. Every 256 hours of operation lubricate ventilating fan air control plate screw sparingly using an oil can.
- Mast Bases MP-22 (Receiving Antenna)
 17. Lubricate every 1,024 hours of operation. On models equipped with lubricator fitting, apply two strokes of pressure gun, using O.D. No.00. On models having oil cups, apply three to five drops of oil, using H.D.10 oil.

10-38

Ventilating Fan

- 14. For temperatures above 32°F., use H.D.30 oil; between 0°F., and 32°F., use H.D.10 oil.
- 15. Every 1,024 hours of operation, remove filter element covering fan motor and the fan assembly by turning one-quarter turn counterclockwise. Apply four to six drops of oil to the motor bearings.
- 16. Every 256 hours of operation lubricate ventilating fan air control plate screw springly using an oil can.

Mast Bases MP-22 (Receiving Antenna)

- 17. Lubricate every 1,024 hours of operation. On models equipped with lubricator fitting, apply two strokes of pressure gun, using O.D. No.00. On models having oil cups, apply three to five drops of oil, using H.D.10 oil.

Stores Required

- 18. Oil H.D.10
- Oil H.D.30
- Grease O.D.No.00

To be obtained through normal channels.

Major,
for Major-General,
Director of Mechanical Engineering,
A.F.H.C.

Issue 1. 26 February 1945:

Page 2.

8410

ALLIED FORCE LOCAL
ELECTRICAL AND MECHANICAL
ENGINEERING INSTRUCTIONS

TELECOMMUNICATION
E 956

SCR 299

Detail

1. Lubrication of Radio Transmitter BC 610 and Antenna Tuning Unit.

Information

2. This instruction is based on Technical Manual 11-280 and supplements instructions given in the Technical Manuals issued with the above equipments.
3. The following units do not require lubrication:
 - (a) Speech Amplifier BC 614.
 - (b) Tuning Units TU-47 to TU-62 inclusive
 - (c) Electric heater.

Action

4. By R.E.M.D. and R. Sigs personnel concerned.

Instructions

General

5. Dry-cleaning solvent only will be used to clean parts. Under no circumstances will leaded gasoline be used for this purpose.
6. Before lubrication, clean exposed surfaces with slightly dampened lintless cloth..
7. Do not allow cleaning fluid to come in contact with other parts of the equipment.

Radio Transmitter BC 610

8. Use 10 W.D. oil. The following points require lubrication every 256 hours of operation:

(a) Capacitor shaft bearings: one or two drops of oil on each bearing.

Action

4. By R.E.M.E. and R. Sigs personnel concerned.

Instructions

General

5. Dry-cleaning solvent only will be used to clean parts. Under no circumstances will leaded gasoline be used for this purpose.
6. Before lubrication, clean exposed surfaces with slightly dampened lintless cloth.
7. Do not allow cleaning fluid to come in contact with other parts of the equipment.

Radio Transmitter RC 610

8. Use 10 H.D. oil. The following points require lubrication every 256 hours of operation:

- (a) Capacitor shaft bearings: one or two drops of oil on each bearing.
- (b) Tuning control shaft bearings: one or two drops on each bearing.
- (c) Tuning control gears: lubricate teeth sparingly with oil.

Antenna Tuning Unit RC 729

9. Use 10 H.D. oil and grease O.D. No. 00 where indicated.

10. The following points require lubricating every 256 hours of operation:

- (a) Lead coil shaft bearings: one or two drops of oil on each of three bearings.
- (b) Primary coil control shaft: one or two drops of oil.
- (c) Primary coil shaft bearings: one or two drops of oil.
- (d) Capacitor switch shaft rear bearing: one or two drops of oil.
- (e) Capacitor switch front bearing and primary coil dial control shaft: lubricate with oil.

ARMED FORCE LOCAL
ELECTRICAL AND MECHANICAL
ENGINEERING INSTRUCTIONS

WHEELED VEHICLES
A 971

Cars, 5-cwt, 4 x 4, Willys and Ford

Detail

1. Towing Hook.

Information

2. This instruction is based on D.M.E., War Office Advance Information Circular B 796, and covers a modification to the rear towing hook to give a greater locking effect to the safety catch.

Action

3. By Units, R.E.M.E., all line workshops and R.A.S.C. workshop platoons.

Instructions

4. The towing hook fitted to the Car, 5-cwt, 4 x 4, is of the pintle type. In certain circumstances the safety catch will lift from the locking groove and allow the hook to open. To overcome this fault, the towing hooks on all vehicles will be modified.
5. Clean towing hook and free locking trigger.
6. Close top part of hook and ensure locking trigger is fully home.
7. Drill 13/64" hole through top half of hook and locking trigger as shown in the accompanying drawing.
8. Fit securing pin and safety wire or chain (See Note below.)

3. By Units, R.E.M.E. all line workshops and R.A.S.C. workshop platoons.

Instructions

4. The towing hook fitted to the Car, 5-cwt, 4 x 4, is of the pinle type. In certain circumstances the safety catch will lift from the locking groove and allow the hook to open. To overcome this fault, the towing hooks on all vehicles will be modified.
5. Clean towing hook and free locking trigger.
6. Close top part of hook and ensure locking trigger is fully home.
7. Drill $1\frac{1}{2}$ hole through top half of hook and locking trigger as shown in the accompanying drawing.
8. Fit securing pin and safety wire or chain (See Note below.)

Stores Required

- | | |
|--|-----------|
| 9. Chain light or Bowden Wire (See Note below) | - 4" off. |
| Pin split $3/16$ x 2" | - 1 off. |
| Wire steel 16 S.W.C. | - 4" off. |

Stores to be obtained locally.

NOTE: Where chain is not available, unserviceable motor-cycle Bowden wire will be used.

M. Langford

Major,
for Major-General,
Director of Mechanical Engineering.
A.F.H.Q.

Issued 1. 25 January 1945;

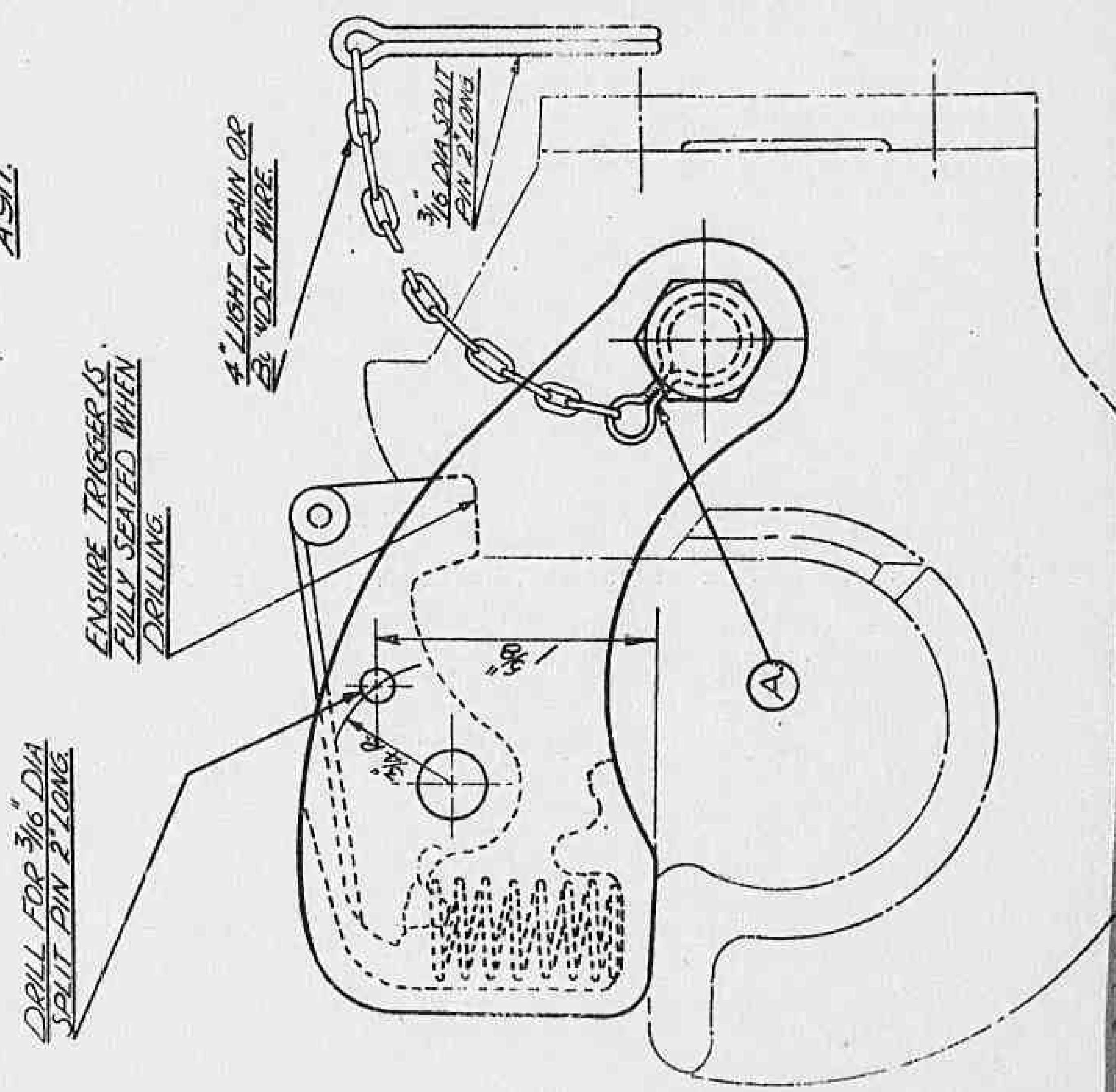
Page 1.

8409

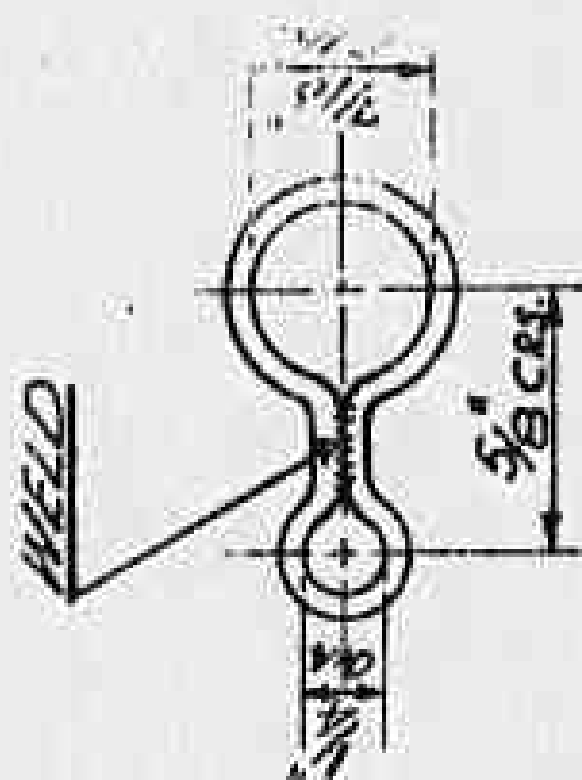
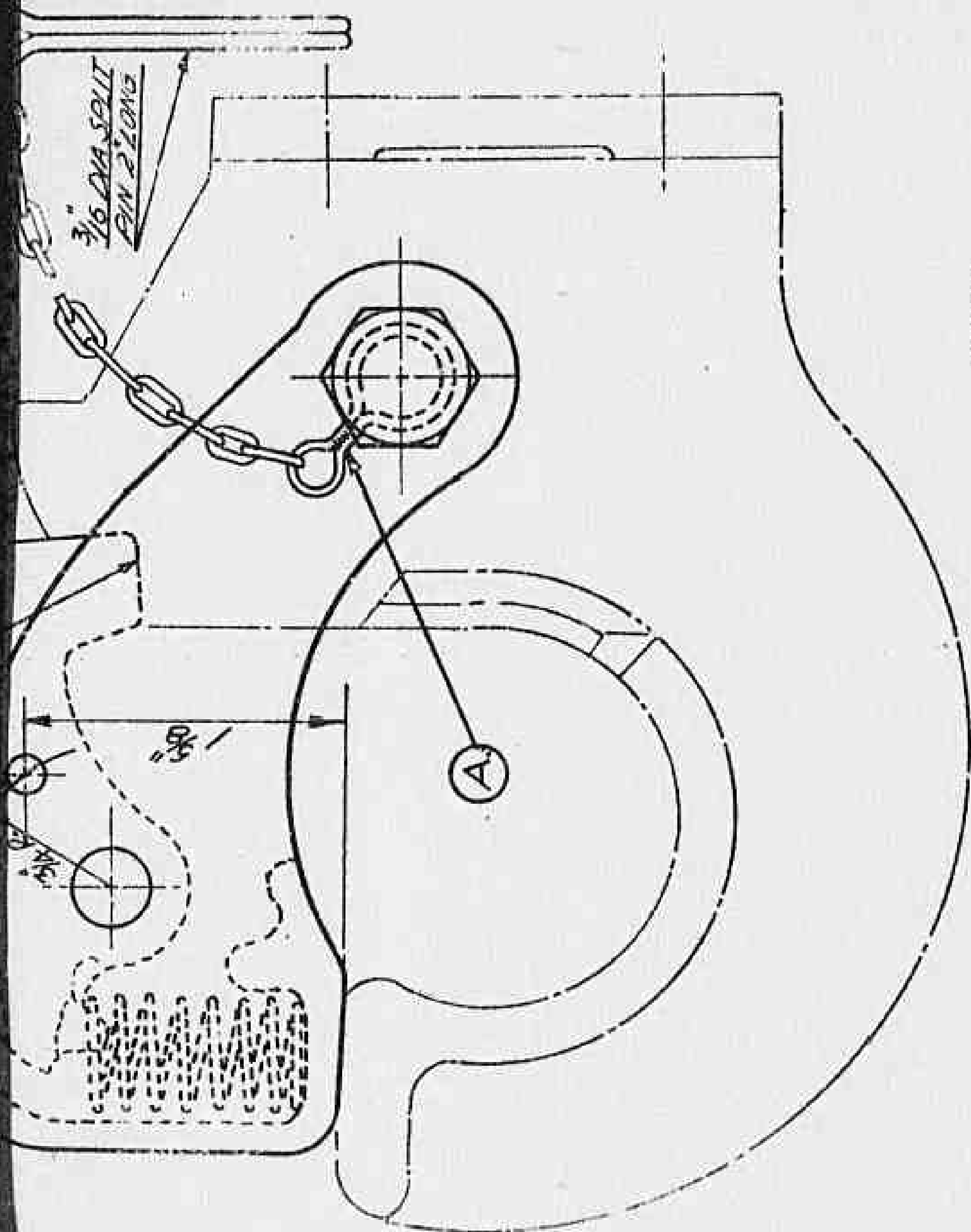
1043

Declassified E.O. 12356 Section 3.3/NND No. 785020

WHEELED VEHICLES
A911



Declassified E.O. 12356 Section 3.3/NND No. 785020



BEND SLIGHTLY

MATERIAL - 16 SWG

CHAIN HOOK - DETAIL A

DRG. NO. S.D. 2249.

CARS, 5 CWT 4x4, WILLYS & FORD.

TOWING HOOK.

DRAWN	Checked
TRACED	Checked
CHECKED	1-1-45
APPROVED	
DATE	1-1-45

PAGE 2

8408

WHEELED VEHICLES
A 902

ALLIED FORCE LOCAL
ELECTRICAL AND MECHANICAL
ENGINEERING INSTRUCTIONS

Car, 6-seater, 4 x 2, Utility, FORD, WOA2
(Contract V.4150 prior to Chassis No. 6188902)
Car, 4-seater, 4 x 2, closed, FORD, WOA1 and WOA1-4
(WOA1 contract V.3937 prior to Chassis No. 6188756)
(WOA1-4 contract V.5056 prior to Chassis No. 6188853)
Car, 6-seater, 4 x 4, Utility, HUMBER
(Contract V.3629 prior to Chassis No. 8350684 except
8350676, 8350678 and 8350682-4)
Car, 4-seater, 4 x 2, closed, HUMBER } All Contracts.
Car, 6-seater, 4 x 2, Utility, HUMBER }

Detail

10. Carriage of Thompson machine carbine.

Information

11. This instruction is based on D.M.E., War Office Modification Circular No. B.316.

12. Housings for carriage of Thompson machine carbines have been fitted on new production vehicles of the above types (with the exception of car, 4-seater, 4 x 2, closed, HUMBER, and car, 4-seater, 4 x 2, Utility, HUMBER, for which all contracts are completed) in accordance with the accompanying drawings.

13. The vehicles enumerated above will be similarly modified forthwith.

Action

14. By Units. R.E.M.P. all line workshops and R.A.S.C. workshop platoons to note.

Instructions

15. Indent through the usual channels for the modification stores on the scale of one fit of parts per vehicle affected on charge.

16. On receipt, fit to vehicle as shown in the relevant drawing and in accordance with fitting instructions given below.

(a) Ford Utility - as Sheet 5 of the drawings.

Information

11. This instruction is based on D.M.E., War Office Modification Circular No. B.318.

12. Housings for carriage of Thompson machine carlines have been fitted on new production vehicles of the above types (with the exception of car, 4-seater, 4 x 2, closed, HUMBER, and car, 4-seater, 4 x 2, Utility, HUMBER, for which all contracts are completed) in accordance with the accompanying drawings.

13. The vehicles enumerated above will be similarly modified forthwith.

Action

14. By Units, R.E.M.E. all line workshops and R.A.S.C. workshop platoons to note.

Instructions

15. Dudent through the usual channels for the modification stores on the scale of the fit of parts per vehicle affected on charge.

16. On receipt, fit to vehicle as shown in the relevant drawing and in accordance with fitting instructions given below.

(a) Ford Utility - as Sheet 5 of the drawings.

(b) Ford staff car - as sheet 4 of the drawings.

Fit the butt block to the floor. Place the gun in the block and position the muzzle. Clip to clear the Cutt's compensator by not less than $1/8$ ".

When fitting the muzzle clip slot the windcord on the door pillar so that the plate of the muzzle clip fits behind the tubular portion of the windcord.

(c) Humber Utility, 4 x 4 - as sheet 2 of the drawings.

(d) Humber staff car - as sheet 1 of the drawings.

(e) Humber Utility, 4 x 2 - as sheet 3 of the drawings.

1047

Declassified E.O. 12356 Section 3.3/NND No.

785020

WHEELED VEHICLES
A 902

Stores Required

17. Vehicle	Part No.	Description	No. off.
Ford Utility W0A2 4 x 2	W0A1/7362034	Gun carrier assy	1
	LV6/MT5/292	Bolt, whit, hex, $\frac{1}{2}$ " x $\frac{3}{4}$ "	4
	LV6/MT5/15817	Nut, whit, hex, $\frac{1}{2}$ "	4
	LV6/MT5/49947	Washer, spring, single coil, $\frac{1}{4}$ "	4
Ford Staff Car W0A1 4 x 2	W0A1/7362040	Butt block	1
	W0A1/7362044	Muzzle clip	1
	3292482	Drill screws c'sk	2
	LV6/MT5/7533	Screws, whit, c'sk, $\frac{1}{4}$ " x 2"	1
	LV6/MT5/7530	" " " " $\frac{1}{4}$ " x $1\frac{1}{2}$ "	1
	LV6/MT5/41249	Nuts, whit, sq, $\frac{1}{2}$ "	2
	LV6/MT5/49947	Washer, spring, single coil	2
Humber FWD Utility 4 x 4	H69924	Clip-muzzle end	1
	H69844	Fixing plate assy	1
	W2	Spring washer	1
	N215	Nut	1
	H69826	Butt block	1
		Screws, wood, No. 8 x $\frac{3}{4}$ "	2
Humber Staff Car 4 x 2	H69927	Clip-muzzle end	1
	H69835	Fixing plate assy	1
	SCR.432	Screw	1
	W2	Washer	1
	N1	Nut	1
	H69832	Butt bracket assy	1
		Screws, wood, No. 8 x $\frac{3}{4}$ "	4

1048

Declassified E.O. 12356 Section 3.3/NND No. 785020

Number	H69924	Clip-muzzle end	1
FWD	H69844	Fixing plate assy	1
Utility	W2	Spring washer	1
4 x 4	N215	Nut	1
	H69828	Butt block	1
		Screws, wood, No. 8 x $\frac{3}{4}$ "	2
Number	H69927	Clip-muzzle end	1
Staff	H69835	Fixing plate assy	1
Car	SCR. 432	Screw	1
4 x 2	W2	Washer	1
	N1	Nut	1
	H69832	Butt bracket assy	1
		Screws, wood, No. 8 x $\frac{3}{4}$ "	4
Number	H69973	Clip assy-muzzle end	1
Utility	H69828	Butt block	1
4 x 2	LV6/MT5/23485	Screws, 2 D.A. steel 1" x 1"	4
		Screws, wood, No. 8 x $\frac{3}{4}$ "	2

[Handwritten signature]

Major,
for Major-General,
Director of Mechanical Engineering,
A.F.H.Q.

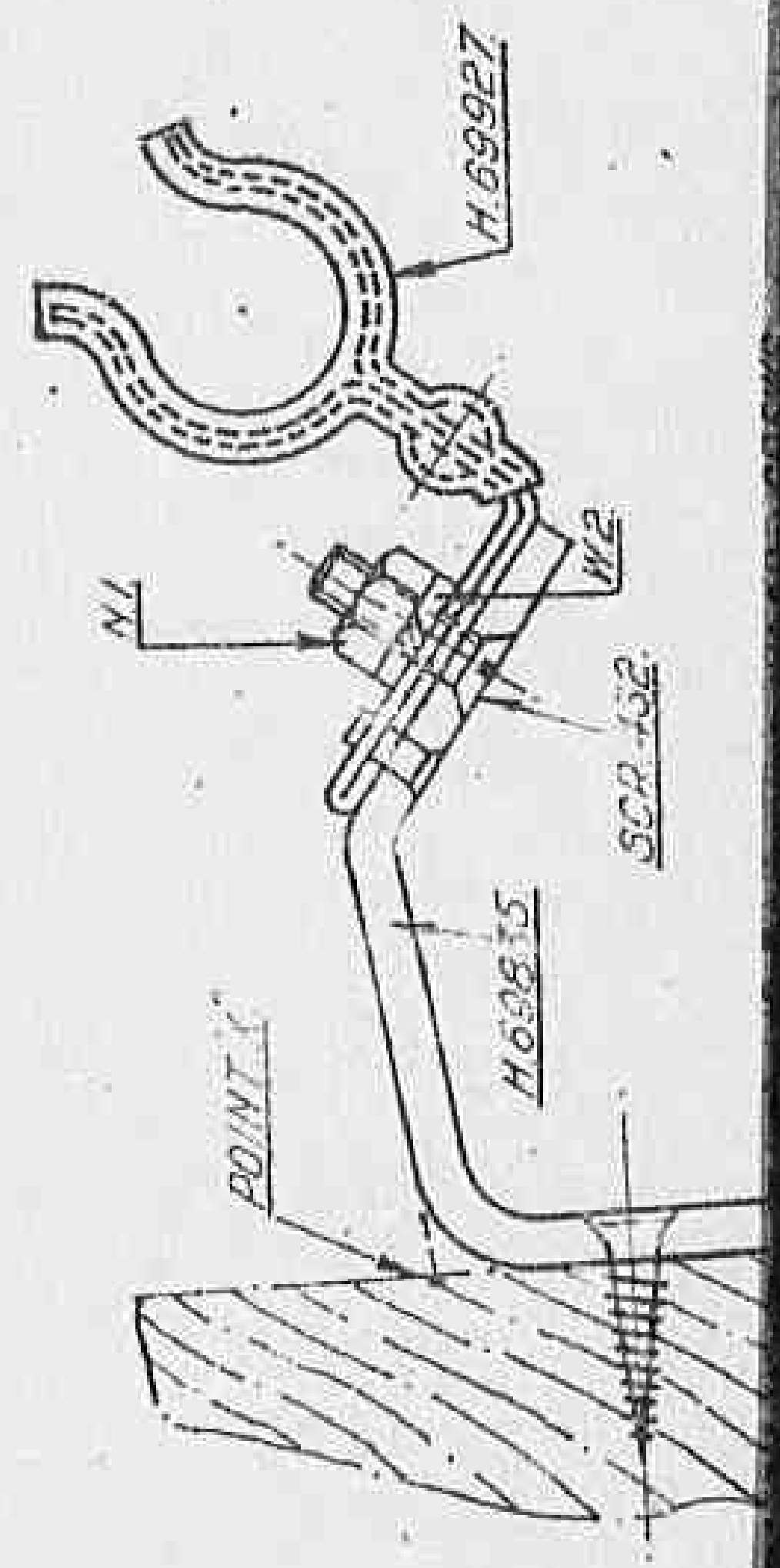
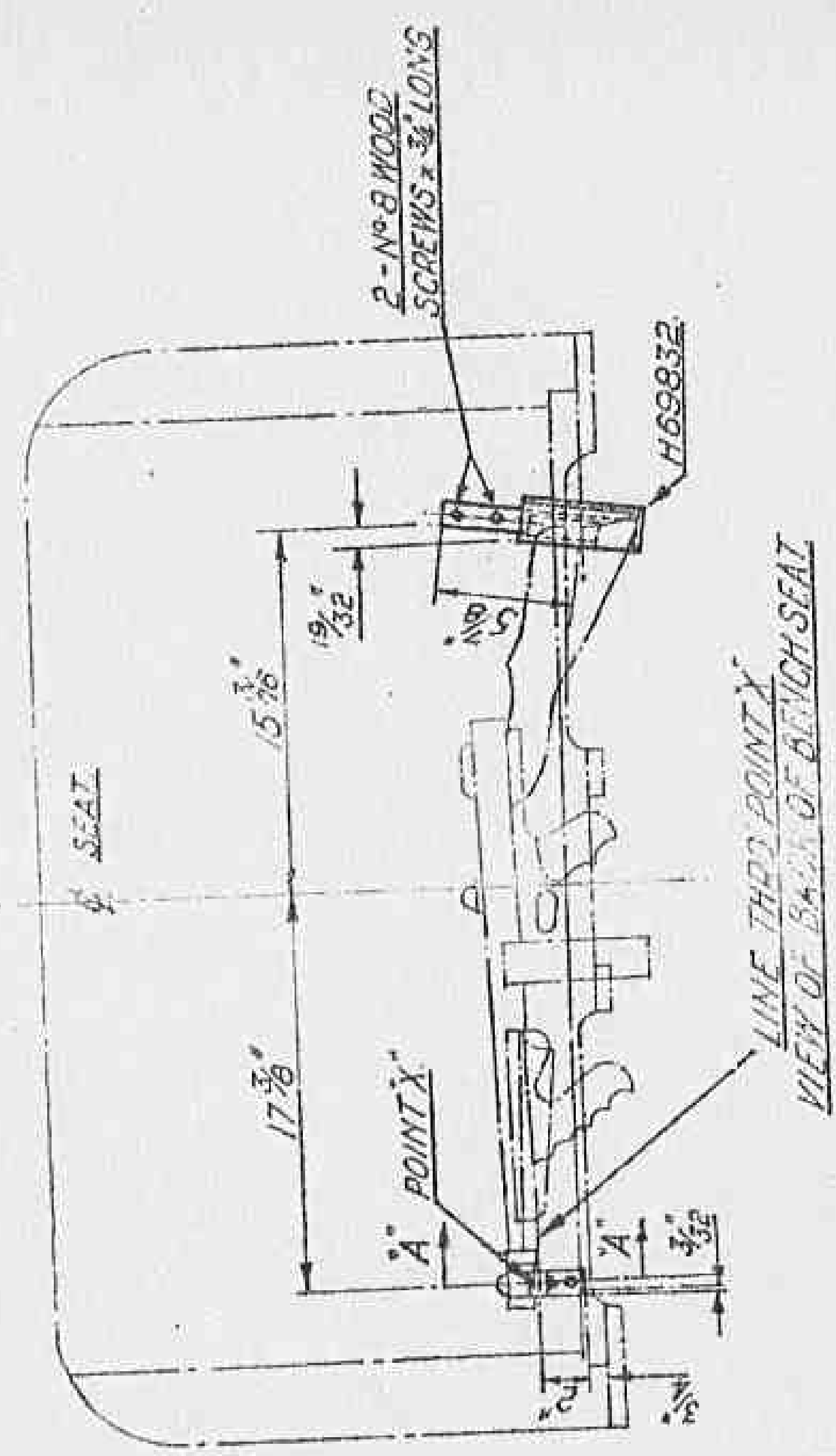
Issue 1. 20 January 1945:

Page 4.

1049

Declassified E.O. 12356 Section 3.3/NND No. 785020

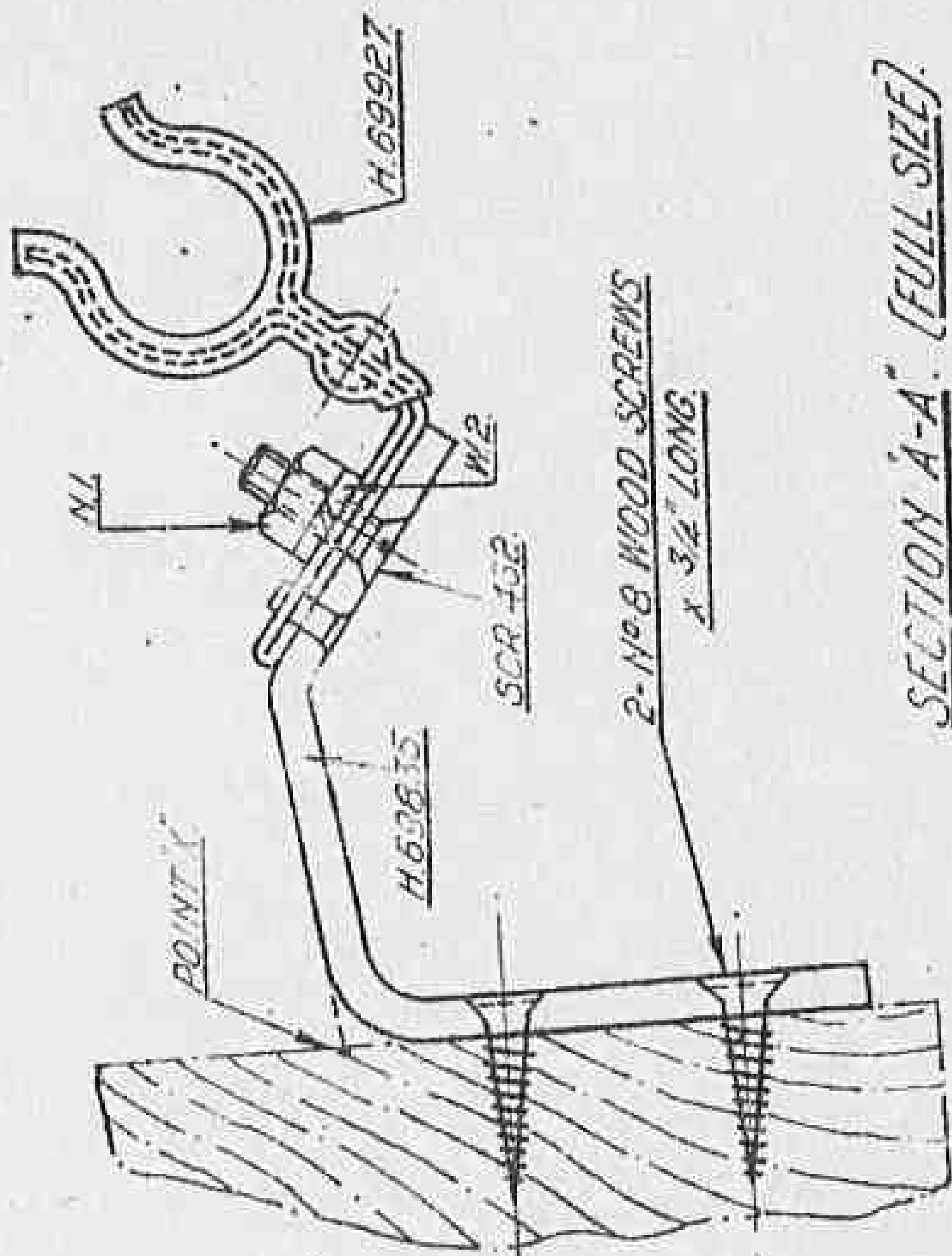
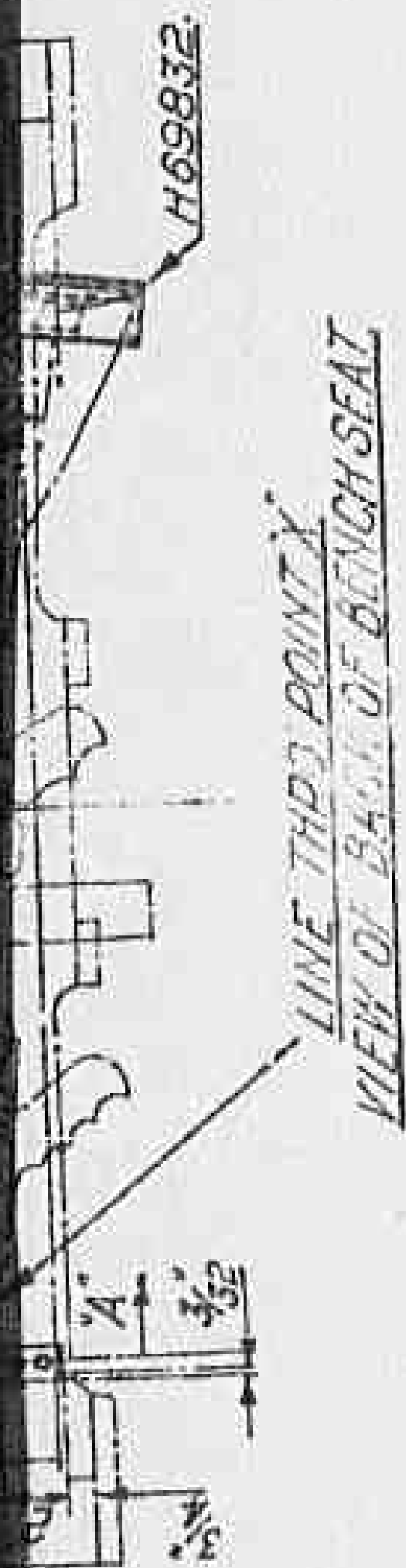
WHEELED VEHICLES
A 902



1050

Declassified E.O. 12356 Section 3.3/NND No.

785020



SECTION A-A (FULL SIZE)

Sheet 1 of 3

DRG NO S.D.2199

DRAWN	TRACED	CHECKED	APPROVED	DATE
HUMBER SUPER SNIPE 5ST 4 WHLD CAR				
FITTING OF BRACKET & BLOCK FOR HOUSING				
THOMPSON S.M.G.				

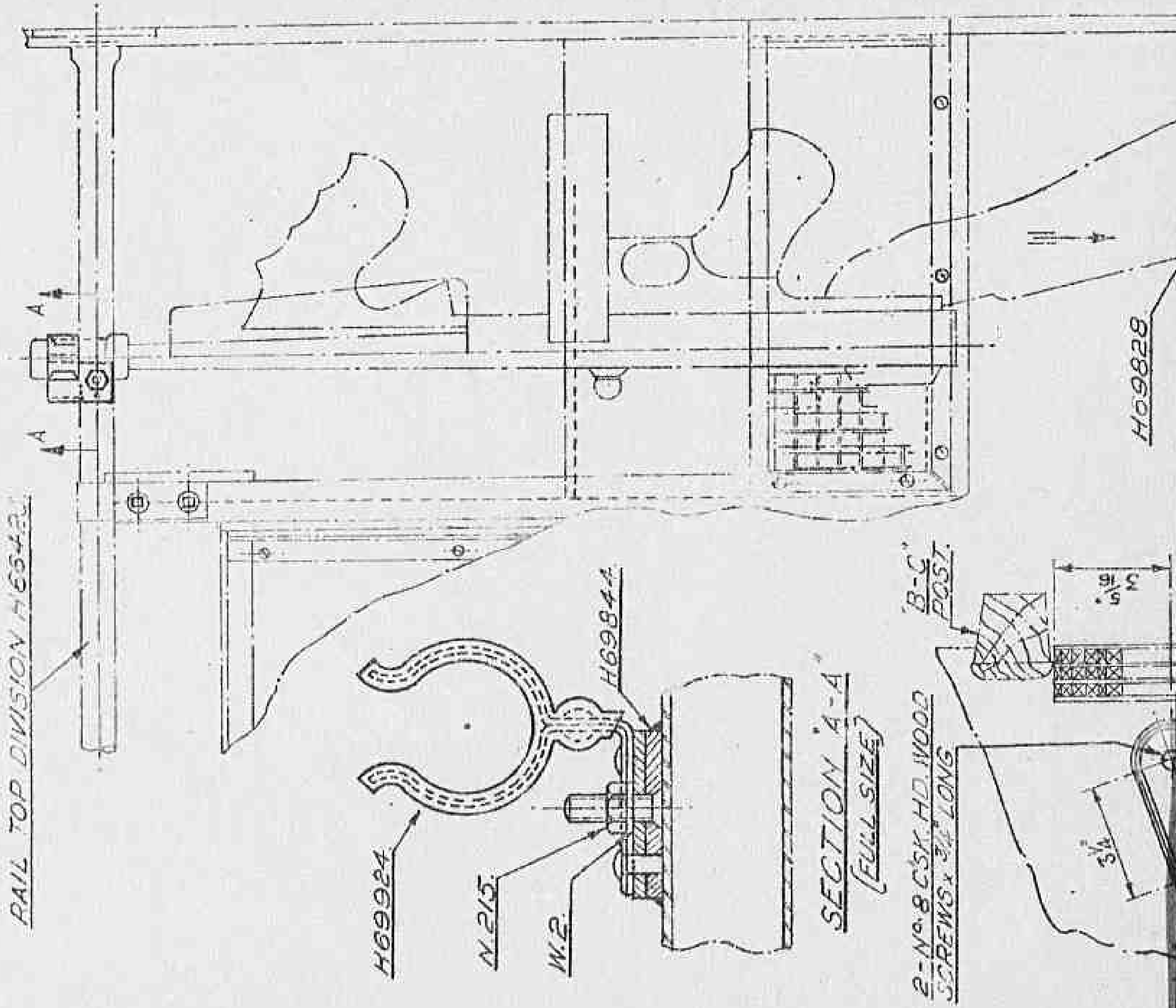
8406

PAGE 3

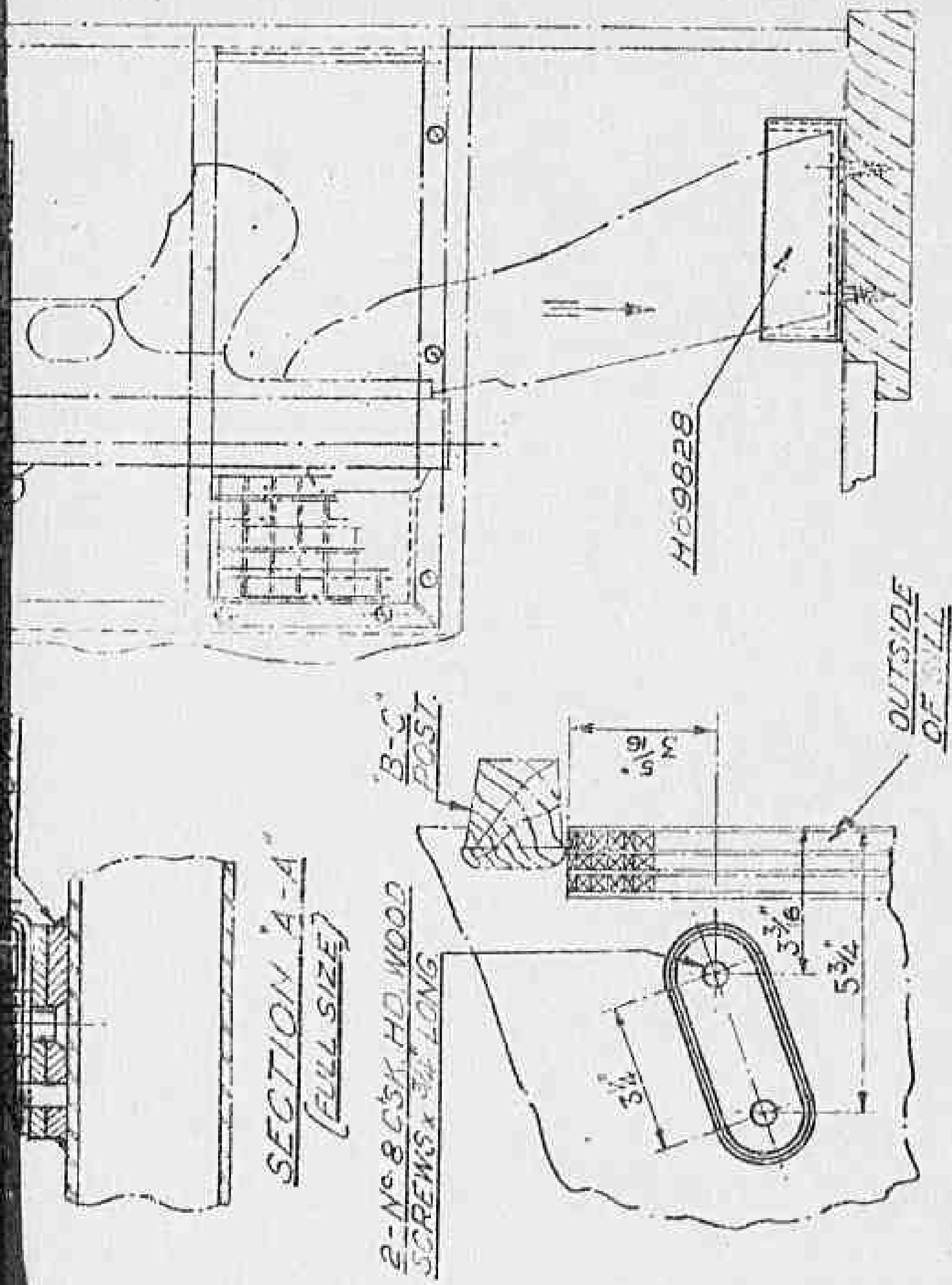
1051

Declassified E.O. 12356 Section 3.3/NND No. 785020

WHEELED VEHICLES
A902.



Declassified E.O. 12356 Section 3.3/NND No. 785020



VIEW OF PARTITION
FROM REAR Q/S.

VIEW IN DIRECTION
OF ARROW.

DRG. NO. S.D. 2200

Sheet 2 of 5

HUMBER SUPER SNIPER HEAVY UTILITY CAR 4 WHEEL FITTING OF BRACKET & BLOCK FOR HOUSING OF THOMPSON S.M.G.	DRAWN	TRACED
	CHECKED	APPROVED
	DATE	1.1.43

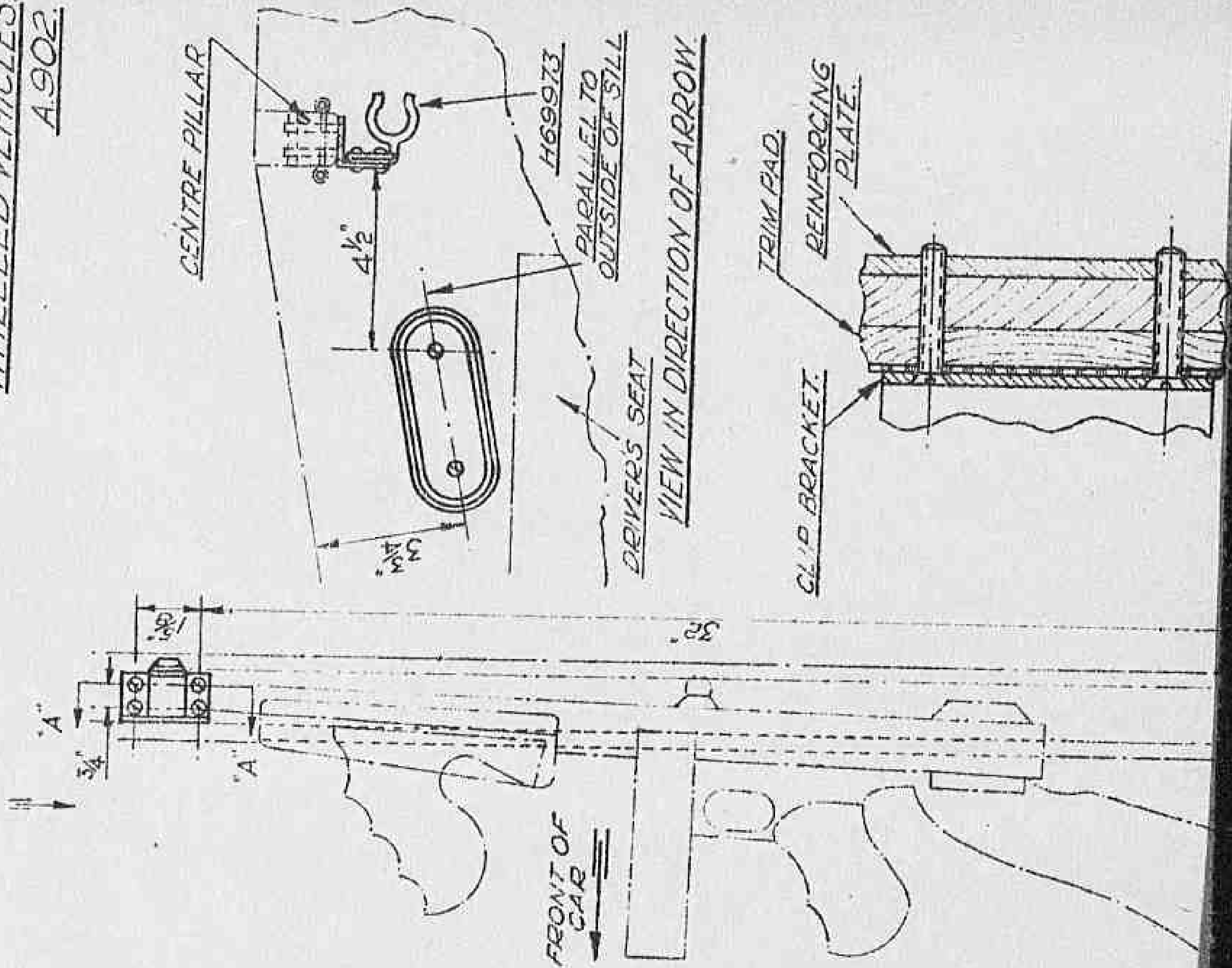
PAGE 6

8405

1053

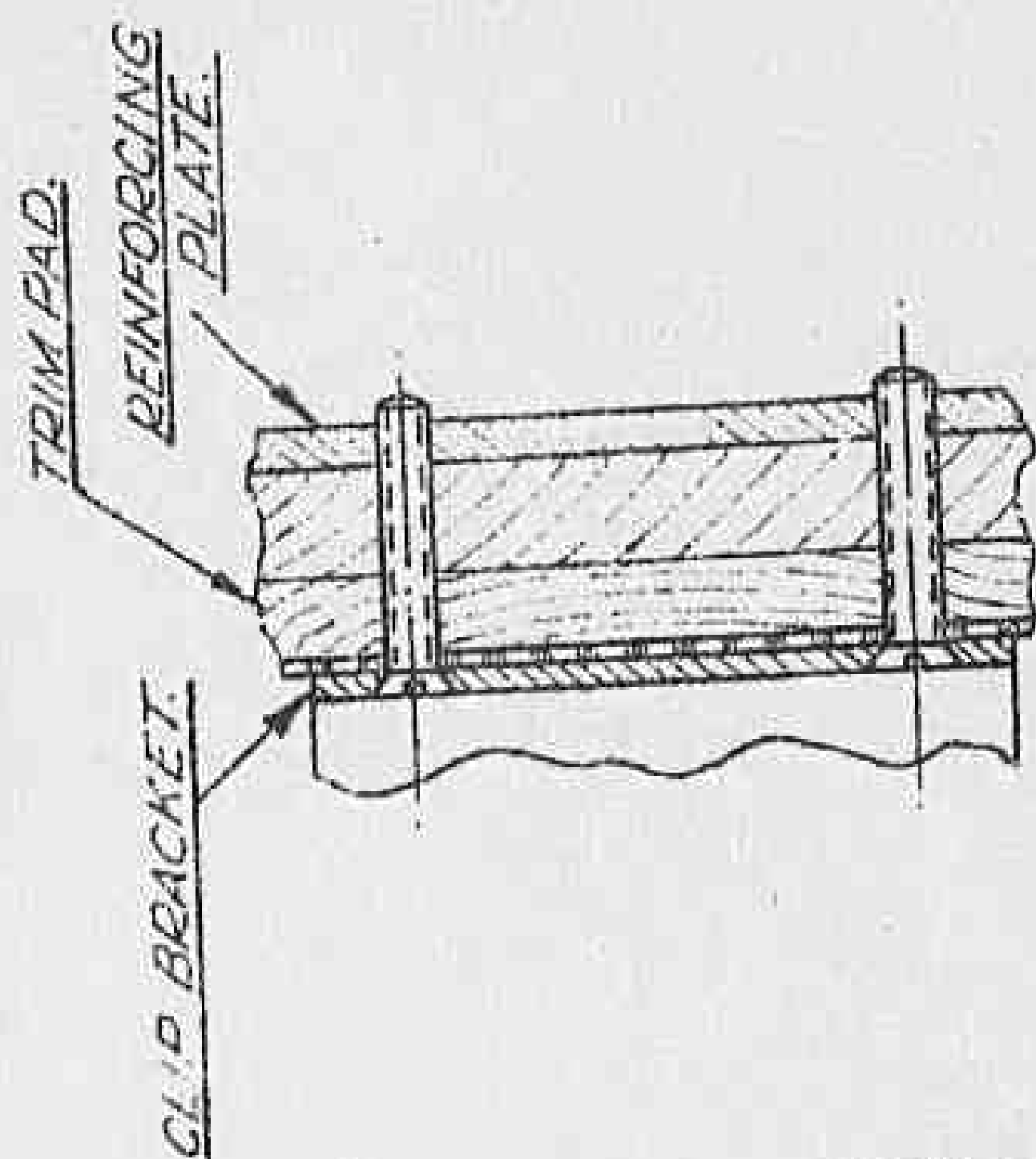
Declassified E.O. 12356 Section 3.3/NND No. 785020

WHEELED VEHICLES
A902



Declassified E.O. 12356 Section 3.3/NND No. 785020

VIEW IN DIRECTION OF ARROW.



1/2" x 1/2" x 1/2" TAP FOR 4-NO 2BA STEEL
 CSK HD 3/8" DEWS x 1" LONG PART NO
 LV6/MT5/23485

SECTION "A-A"
 (FULL SIZE)

2-NO 8 CSK HD WOOD
 SCREWS x 3/4" LONG

H69828.

Sheet 3 of 5

DRG. NO. SD. 2201

DRAWN	<i>[Signature]</i>
TRACED	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>
APPROVED	
DATE	

HUMBER HEAVY UTILITY CAR 4 x 2.
 FITTING OF BRACKET & BLOCK FOR HOUSING
 THOMPSON S.M.G.

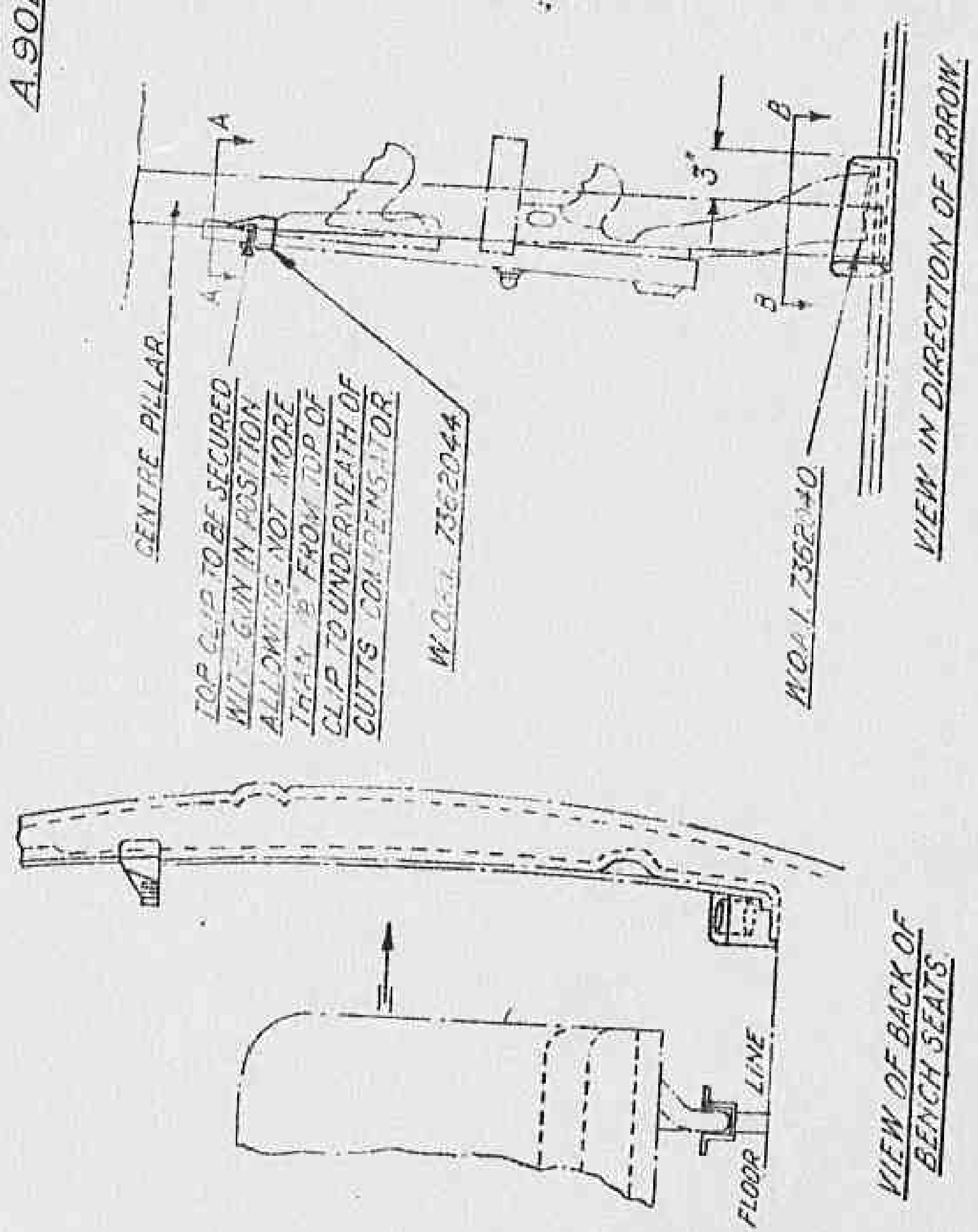
PAGE 7.

8404

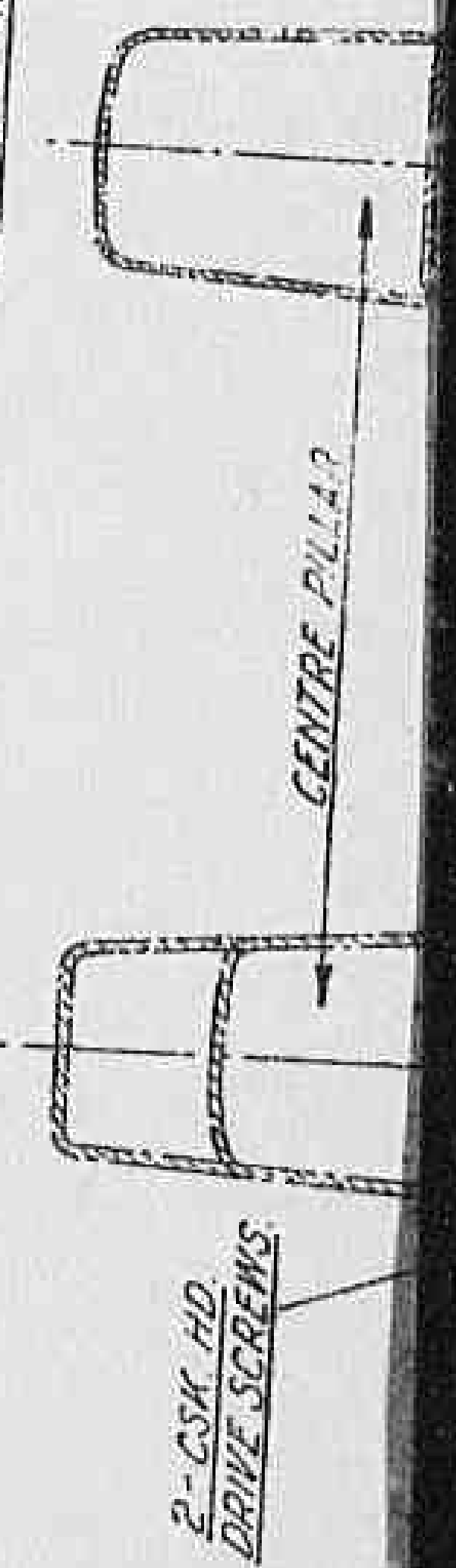
1055

Declassified E.O. 12356 Section 3.3/NND No. 785020

WHEELED VEHICLES
A.902

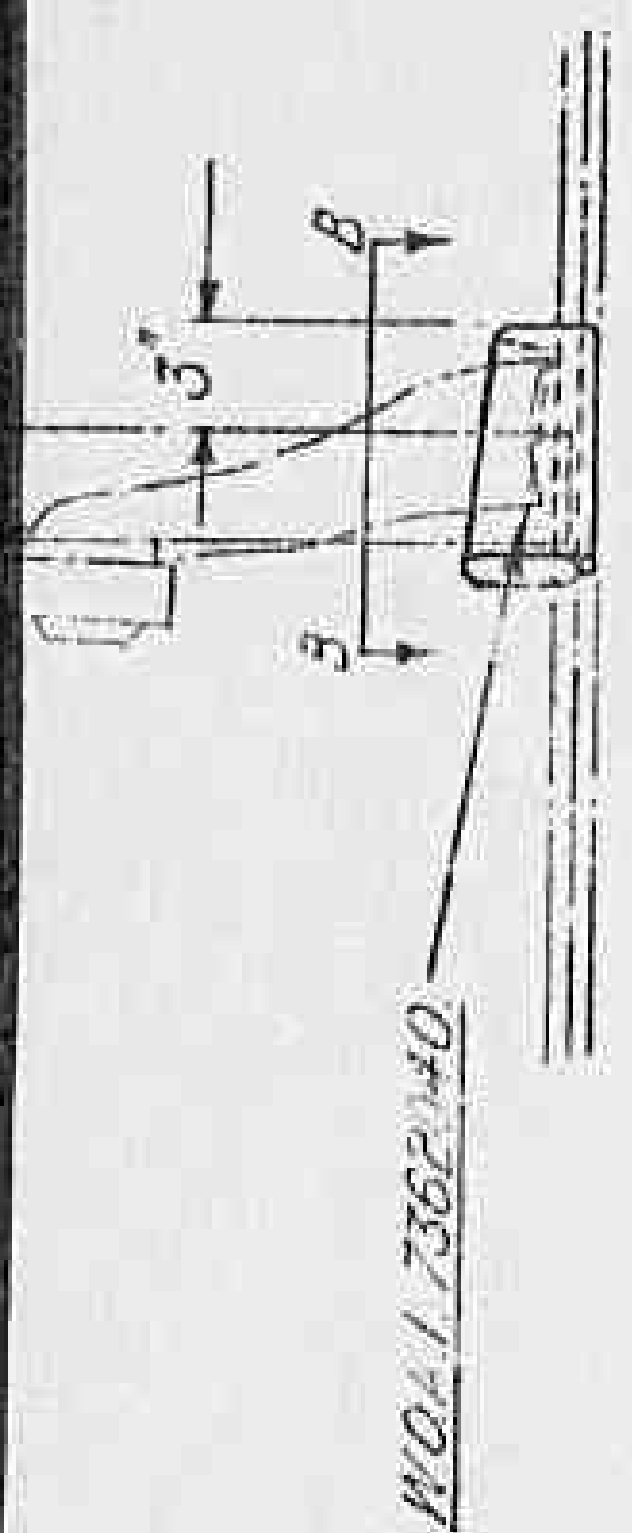


3/4" DIA CSK HD. METAL THREAD SCREWS
1-2" LONG & 1-1/8" LONG, EACH WITH SQ.
NUT & SPRING WASHER.

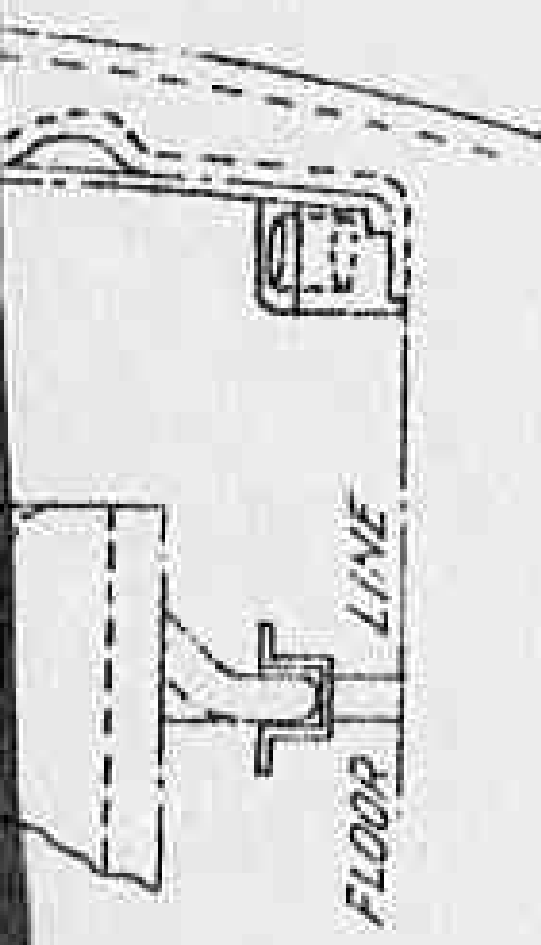


1056

Declassified E.O. 12356 Section 3.3/NND No. 785020

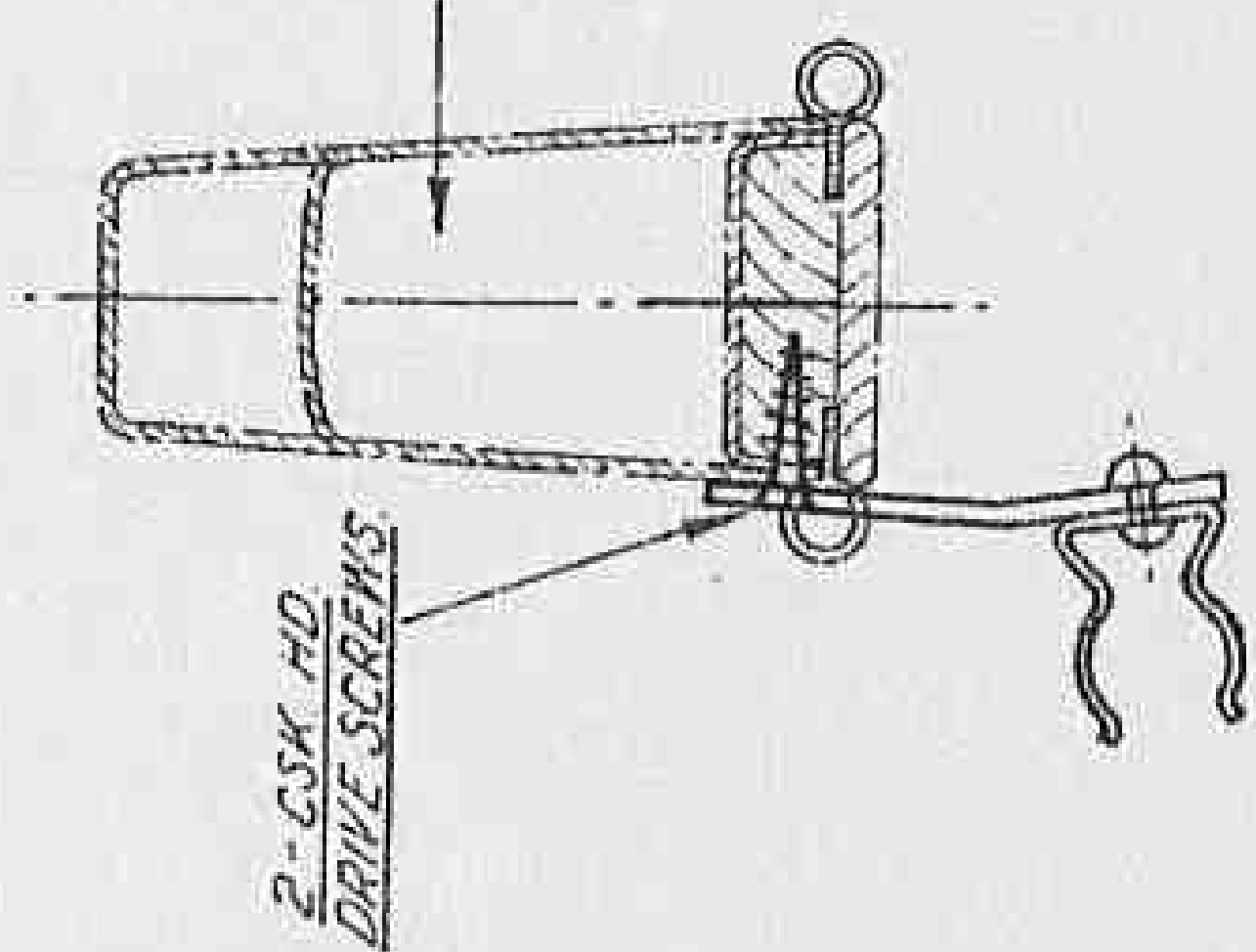
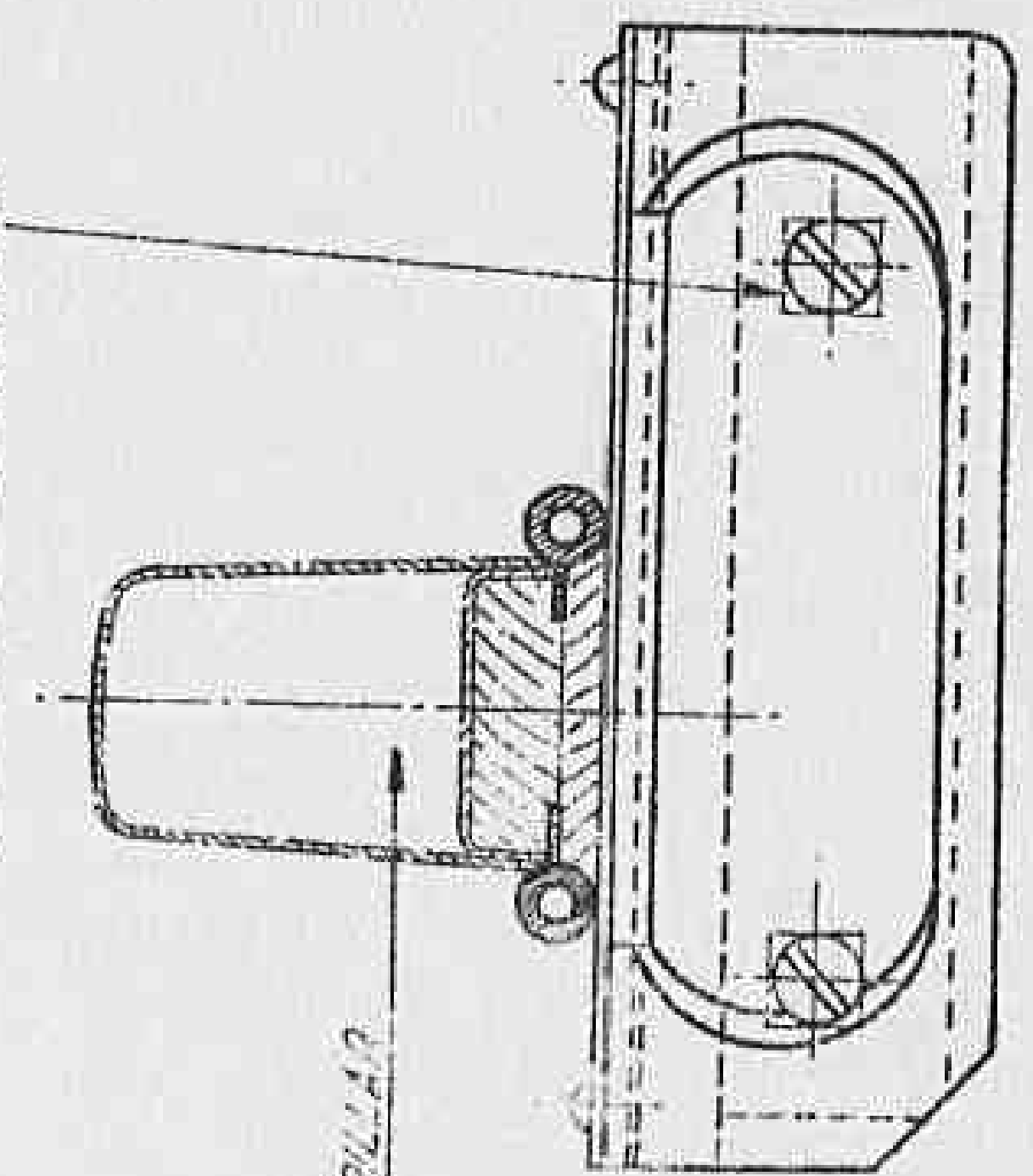


VIEW IN DIRECTION OF ARROW.



VIEW OF BACK OF BENCH SEATS.

2-1/4" DIA CSK. HD. METAL THREAD SCREWS
1-2" LONG & 1-1/8" LONG EACH WITH SQ.
NUT & SPRING WASHER.



SECTION 'B-B'
(1/2 SIZE)

SECTION 'A-A'
(1/2 SIZE)

DRG. NO. S.D. 2202

Sheet 4 of 5

DRAWN.	TRACED.	CHECKED.	APPROVED.	DATE
				18-12-44.

FORD W.O. 1 & 1A 5 STR. 4 WHLD. CAR.
FITTING OF BRACKET & BULLOCK
FOR HOUSING THOMPSON S.M.G.

PAGE 8

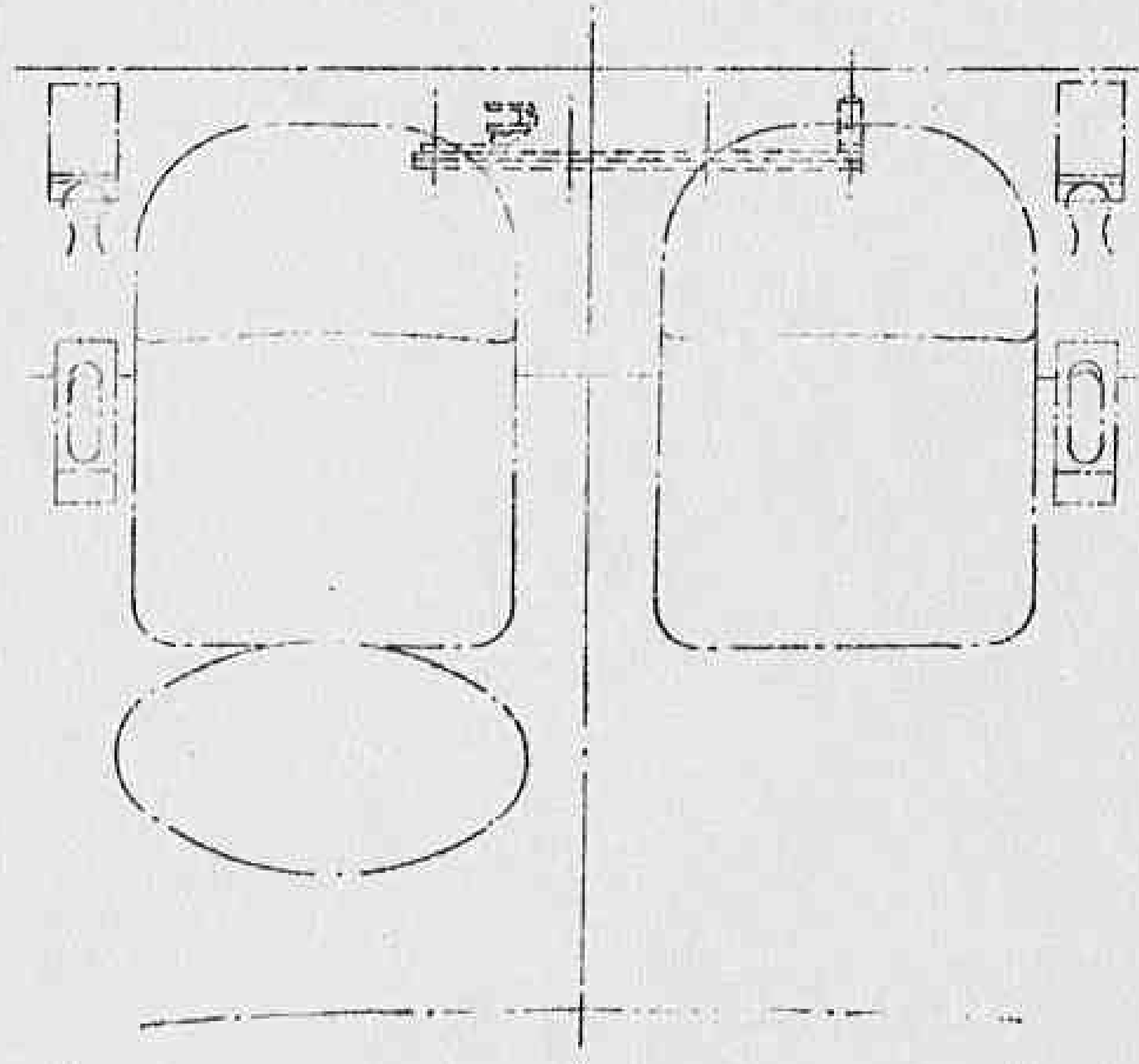
8403

1057

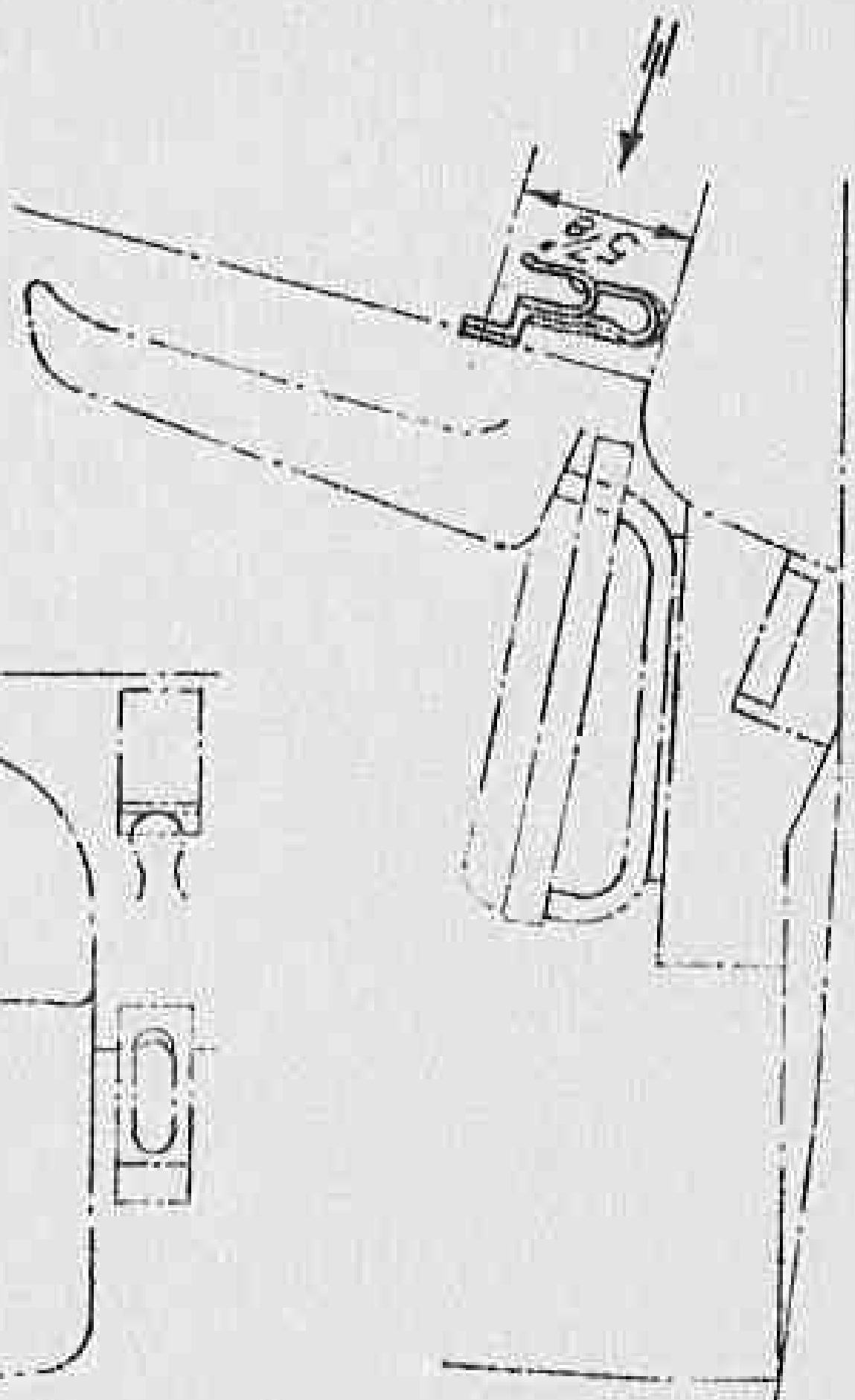
Declassified E.O. 12356 Section 3.3/NND No. 785020

WHEELED VEHICLES.
A902.

PLAN



INTERIOR
ELEV.



DRILL FOR 4-1/2" WHIT
HEX. HD. BOLTS x 3/4" LONG EACH
WITH HEX. NUTS AND

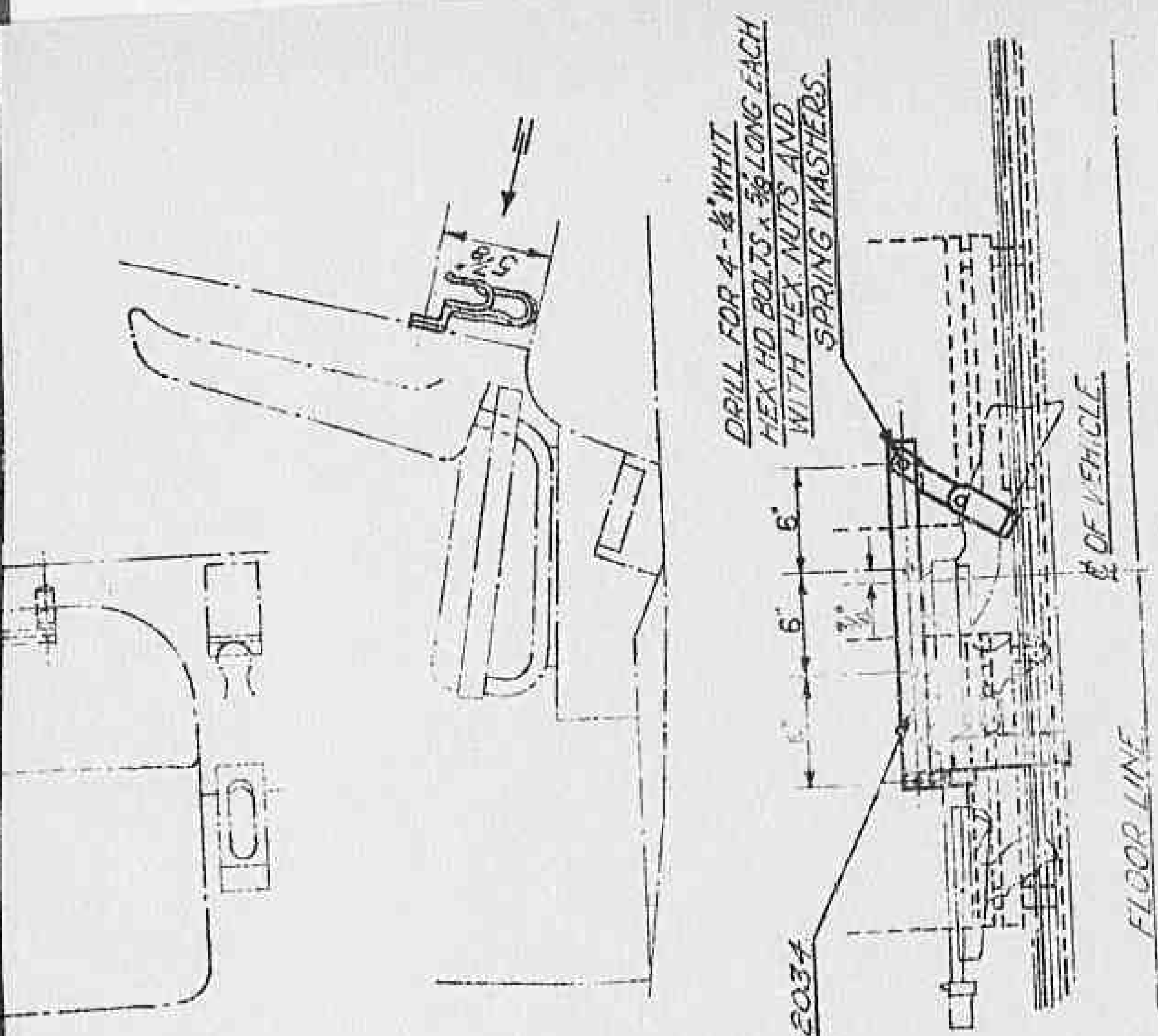
5" 6" 6" 6"

WOA.1-7362034

1058

Declassified E.O. 12356 Section 3.3/NND No. 785020

INTERIOR
ELEV.



W.O.A. 1-7362034

REAR VIEW IN DIRECTION
OF VEHICLE

Sheet 5 of 5

DRG. No. S.D. 2203.	DRAWN	TOOLING
FORD W.O.A. 2 HEAVY UTILITY CAR,	CHECKED	APPROVED
4 WHEEL. 4 STR	DATE	
FITTING OF BRACKET FOR HOUSING		
THOMPSON S.M.G.		

PAGE 9

8402

1059

WHEELED VEHICLES
A 902

ALLIED FORCE LOCAL
ELECTRICAL AND MECHANICAL
ENGINEERING INSTRUCTIONS

- Car, 6-seater, 4 x 2, Utility, FORD, WQ22
(Contract V.4150 prior to Chassis No. 6188902)
- Car, 4-seater, 4 x 2, closed, FORD, WQ21 and WQ21-A
(WQ21 contract V.3937 prior to Chassis No. 6188758)
- (WQ21-A contract V.5056 prior to Chassis No. 6188853)
- Car, 6-seater, 4 x 4, Utility, HUMBER
(Contract V.3829 prior to Chassis No. 8350684 except
8350676, 8350678 and 8350682-4)
- Car, 4-seater, 4 x 2, closed, HUMBER } All contracts.
- Car, 6-seater, 4 x 2, Utility, HUMBER }

Detail
10.

Carriage of Thompson machine carbine.

Information

- 11. This instruction is based on D.M.E., War Office Modification Circular No. B.316.
- 12. Housings for carriage of Thompson machine carbines have been fitted on new production vehicles of the above types (with the exception of car, 4-seater, 4 x 2, closed, HUMBER, and car, 4-seater, 4 x 2, Utility, HUMBER, for which all contracts are completed) in accordance with the accompanying drawings.
- 13. The vehicles enumerated above will be similarly modified forthwith.

Action

- 14. By Units. R.E.M.E. all line workshops and R.A.S.C. workshop platoons to note.

Instructions

- 15. Indent through the usual channels for the modification stores on the basis of one kit of parts per vehicle-affected on charge.
- 16. On receipt, fit to vehicle as shown in the relevant drawing and in accordance with fitting instructions given below.
 - (a) Ford Utility - see Sheet 5 of the drawings.
 - (b) Ford staff car - as sheet 4 of the drawings.

12. Housing for carriage of Thompson machine carbines have been fitted on new production vehicles of the above types (with the exception of car, 4-seater, 4 x 2, closed. HUMBER, and car, 4-seater, 4 x 2, Utility, HUMBER, for which all contracts are completed) in accordance with the accompanying drawings.

13. The vehicles enumerated above will be similarly modified forthwith.

Action

14. By Units. R.E.M.E. all line workshops and R.A.S.C. workshop platoons to note.

Instructions

15. Indent through the usual channels for the modification stores on the seals of one kit of parts per vehicle-affected on charge.

16. On receipt, fit to vehicle as shown in the relevant drawing and in accordance with fitting instructions given below.

(a) Ford Utility - as Sheet 5 of the drawings.

(b) Ford staff car - as sheet 4 of the drawings.

Fit the butt block to the floor. Place the gun in the block and position the muzzle. Clip to clear the Outt's compensator by not less than 1/3".

When fitting the muzzle clip slot the windoord on the door pillar so that the plate of the muzzle clip fits behind the tubular portion of the windoord.

(c) Humber Utility, 4 x 4 - as sheet 2 of the drawings.

(d) Humber staff car - as sheet 1 of the drawings.

(e) Humber Utility, 4 x 2 - as sheet 3 of the drawings.

8401

1061

WHEELED VEHICLES
A 902

Stores Required			Description	No. off.
17.	Vehicle	Part No.		
Ford Utility WCA2 4 x 2		WCA1, 7362034	Gun carrier assy	1
		LV6/MT5/292	Bolt, whit, hex. $\frac{1}{4}$ " x $\frac{3}{4}$ "	4
		LV6/MT5/15817	Nut, whit, hex. $\frac{1}{4}$ "	4
		LV6/MT5/49947	Washer, spring, single coil, $\frac{1}{4}$ "	4
Ford Staff Car WCA1 4 x 2		WCA1/7362040	Butt block	1
		WCA1/7362044	Muzzle clip	1
		3292452	Drive screws c'sk	2
		LV6/MT5/7533	Screws, whit, c'sk, $\frac{1}{4}$ " x 2"	1
		LV6/MT5/7530	" " " " $\frac{1}{4}$ " x $1\frac{1}{2}$ "	1
		LV6/MT5/41249	Nuts, whit, sq., $\frac{1}{4}$ "	2
		LV6/MT5/49947	Washer, spring, single coil	2
Humber FWD Utility 4 x 4		H69924	Clip-muzzle end	1
		H69844	Fixing plate assy	1
		W2	Spring washer	1
		N215	Nut	1
		H69828	Butt block	1
Humber Staff Car 4 x 2			Screws, wood, No. 8 x $\frac{3}{4}$ "	2
		H69927	Clip-muzzle end	1
		H69835	Fixing plate assy	1
		SCR. 432	Screw	1
		W2	Washer	1
		N1	Nut	1
		H69832	Butt block assy	1
			Screws, wood, No. 8 x $\frac{3}{4}$ "	4

1062

Declassified E.O. 12356 Section 3.3/NND No. 785020

Car	32924S2	Drive screws c'sk	2
WOL	LV6/MT5/7533	Screws, whit, c'sk, 1" x 2"	1
4 x 2	LV6/MT5/7530	" " " 1" x 1 1/4"	1
	LV6/MT5/41249	Nuts, whit, sq., 1"	2
	LV6/MT5/49947	Washer, spring, single coil	2
Humber	H69924	Clip-muzzle end	1
FWD	H69844	Fixing plate assy	1
Utility	W2	Spring washer	1
4 x 4	N215	Nut	1
	H69828	Butt block	1
		Screws, wood, No. 8 x 3/4"	2
Humber	H69927	Clip-muzzle end	1
Staff	H69835	Fixing plate assy	1
Car	SCR. 432	Screw	1
4 x 2	W2	Washer	1
	N1	Nut	1
	H69832	Butt block assy	1
		Screws, wood, No. 8 x 3/4"	4
Humber	H69973	Clip assy, muzzle end	1
Utility	H69828	Butt block	1
4 x 2	LV6/MT5/23485	Screws, 2 D.A. steel c'sk x 1"	4
		Screws, wood, No. 8 x 3/4"	2

P. C. 1. 1. 1.

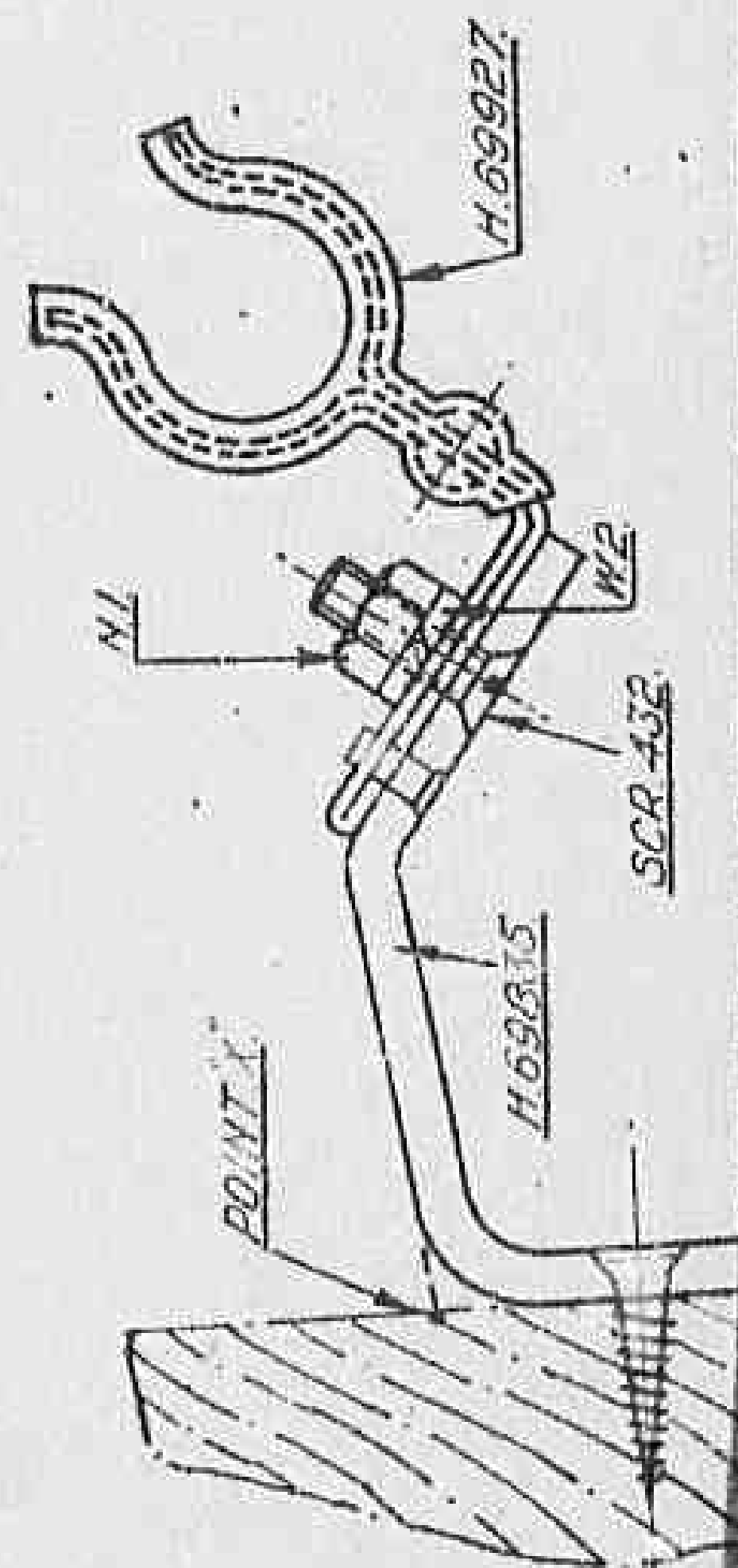
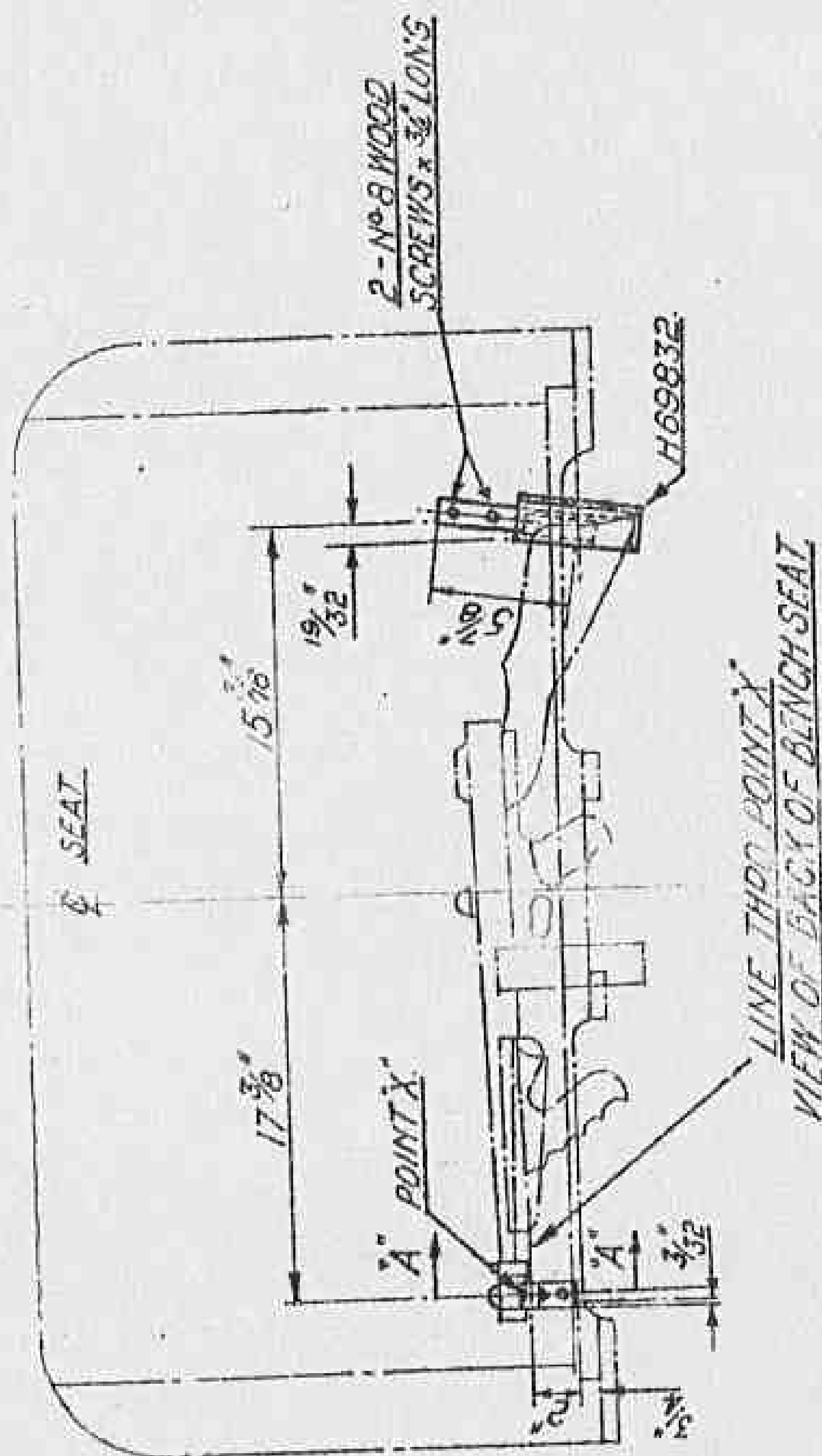
Major,
for Major-General,
Director of Mechanical Engineering.
A. F. H. Q.

Issue 1. 20 January 1945:

1063

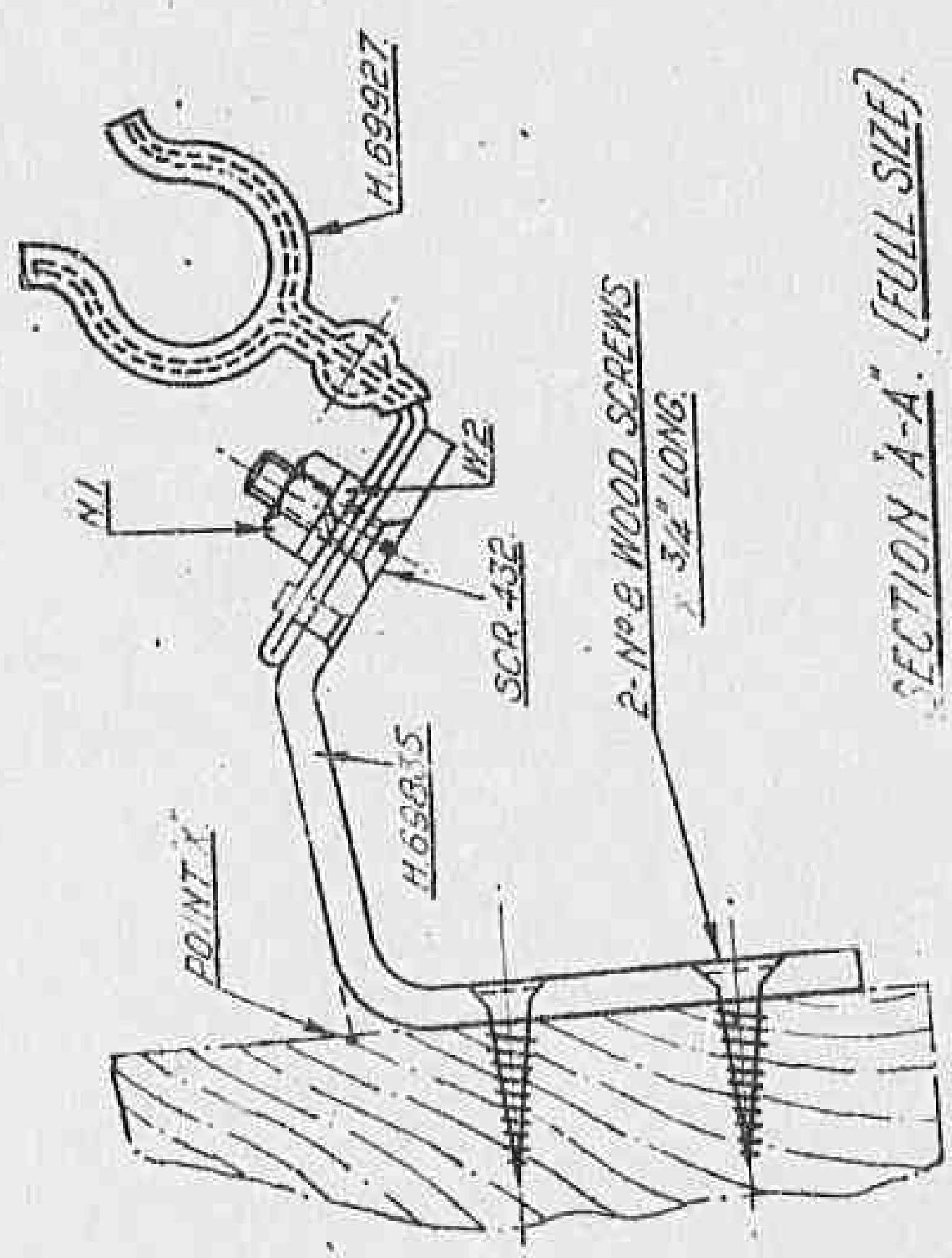
Declassified E.O. 12356 Section 3.3/NND No. 7850120

WHEELED VEHICLES
A 902



1064

Declassified E.O. 12356 Section 3.3/NND No. 785020



SECTION A-A' (FULL SIZE)

Sheet 1 of 5

DRG. NO. S.D. 2199.

DRAWN	<i>[Signature]</i>
TRACED	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>
APPROVED	<i>[Signature]</i>
DATE	1.1.44

HUMBER SUPER SNIPE 5 ST. 4 WHLD. CAR
FITTING OF BRACKET & BLOCK FOR HOUSING
THOMPSON S.M.G.

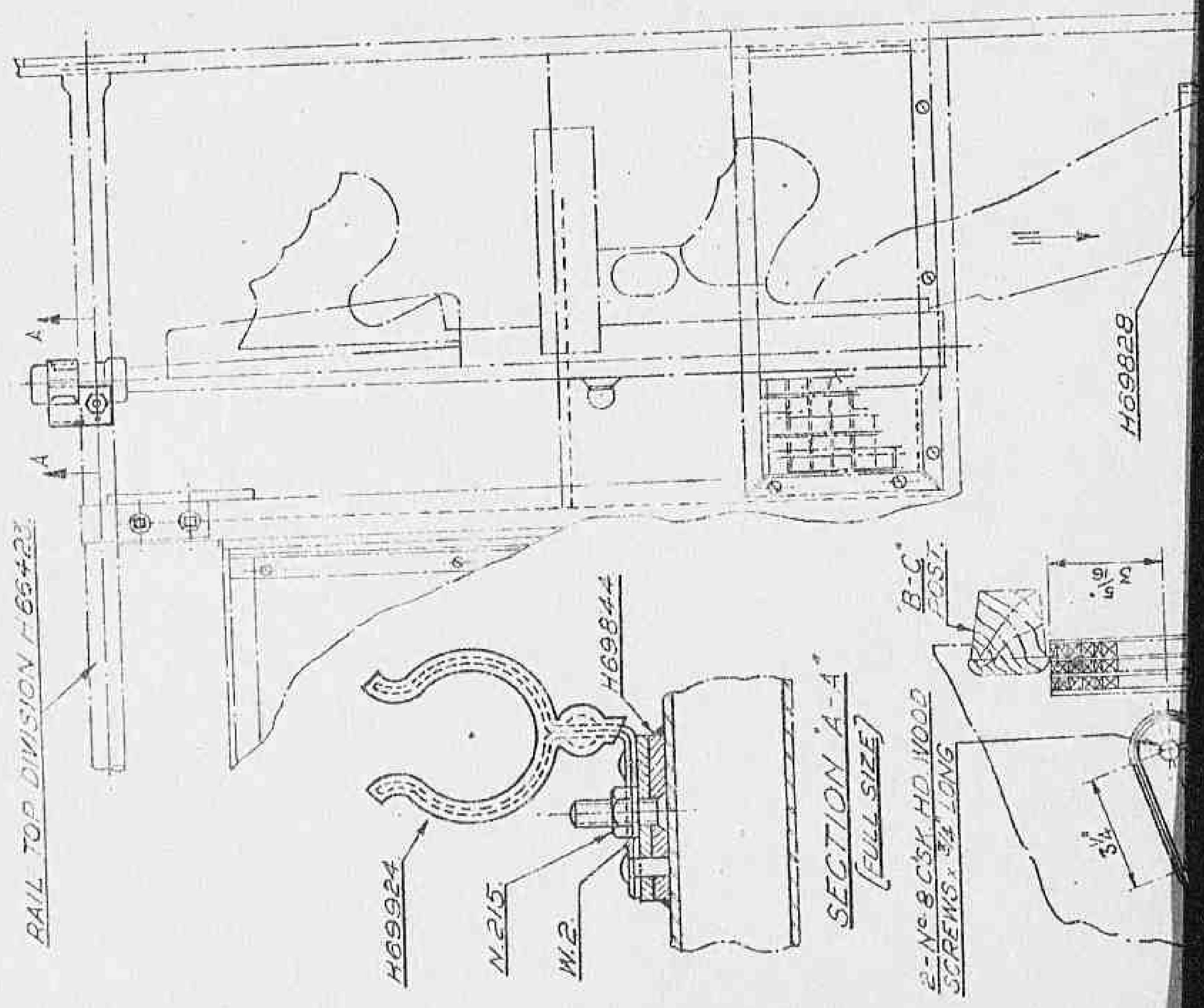
PAGE 3

8400

1065

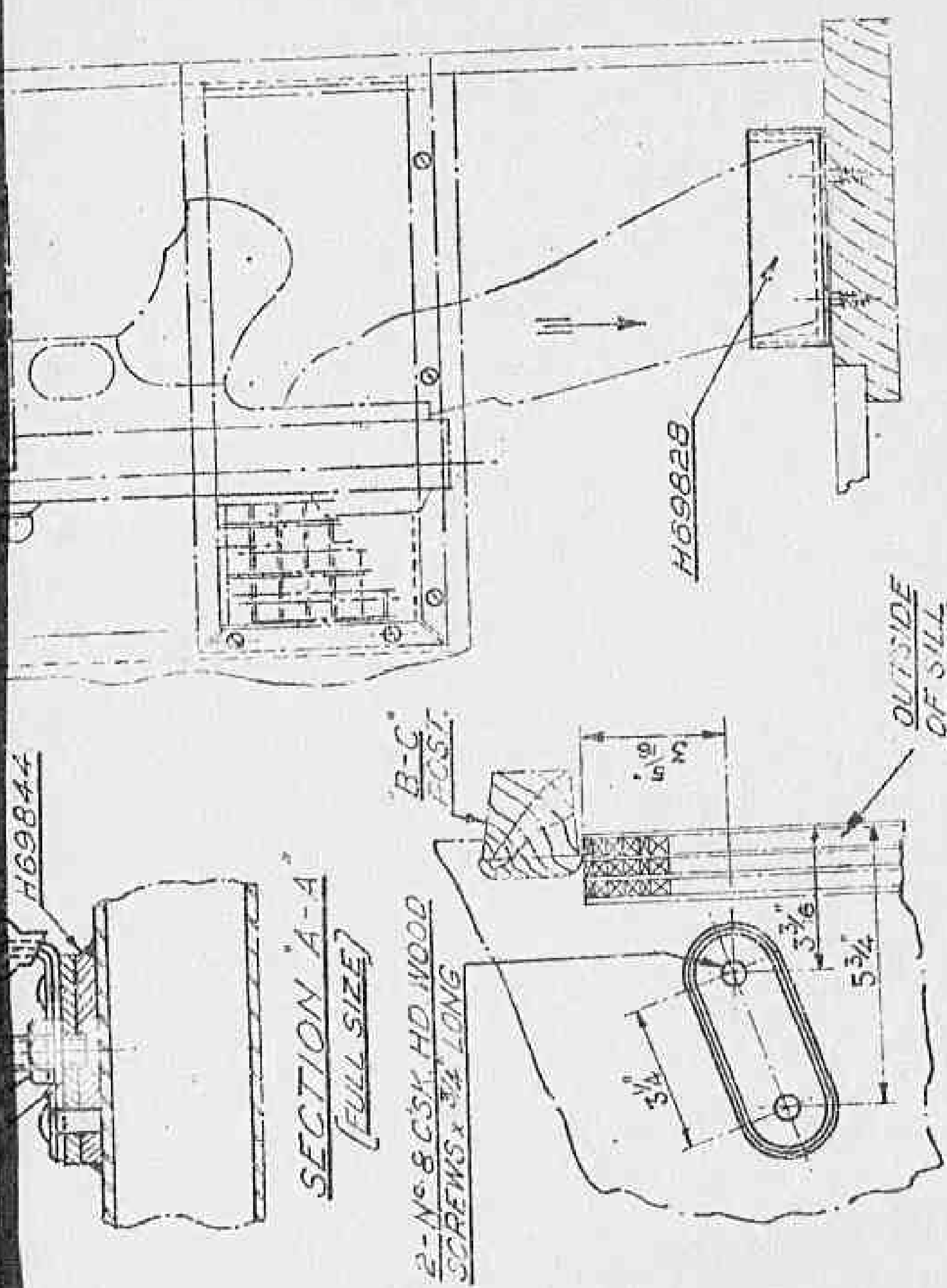
Declassified E.O. 12356 Section 3.3/NND No. 785020

WHEELED VEHICLES
A902



1066

Declassified E.O. 12356 Section 3.3/NND No. 785020



VIEW OF PARTITION
FROM REAR Q/S.

VIEW IN DIRECTION
OF ARROW.

Sheet 20 of 3

DRG. NO. S.D. 2200

HUMBER SUPER SNIDE. HEAVY UTILITY CAP & WELD. FITTING OF BRACKET & BLOCK FOR HOUSING OF THOMPSON S.M.G.	DRAWN:	DATE:
	TRACED	6.1.43
	CHECKED	
	APPROVED	

PAGE 2

8399

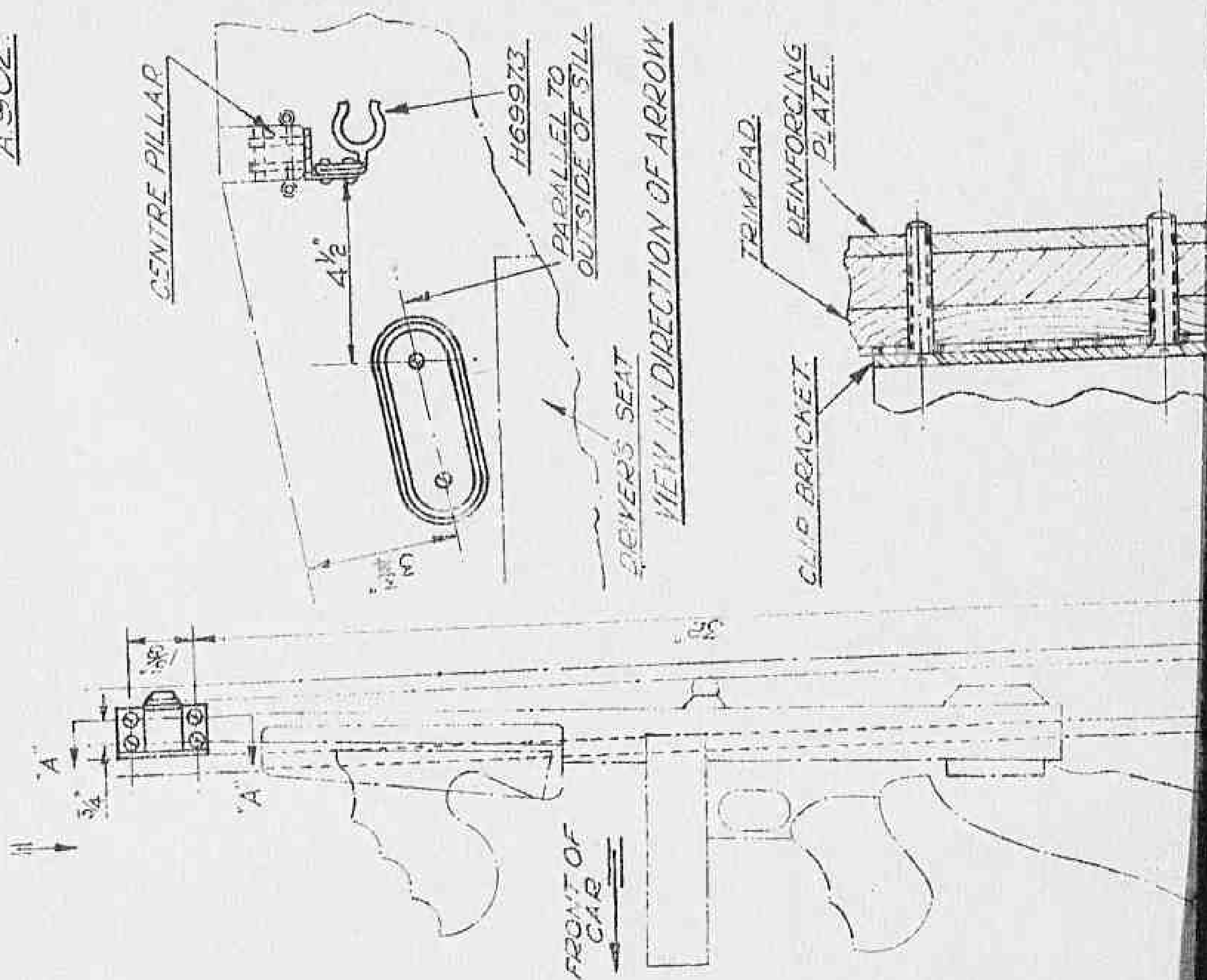
1067

Declassified E.O. 12356 Section 3.3/NND

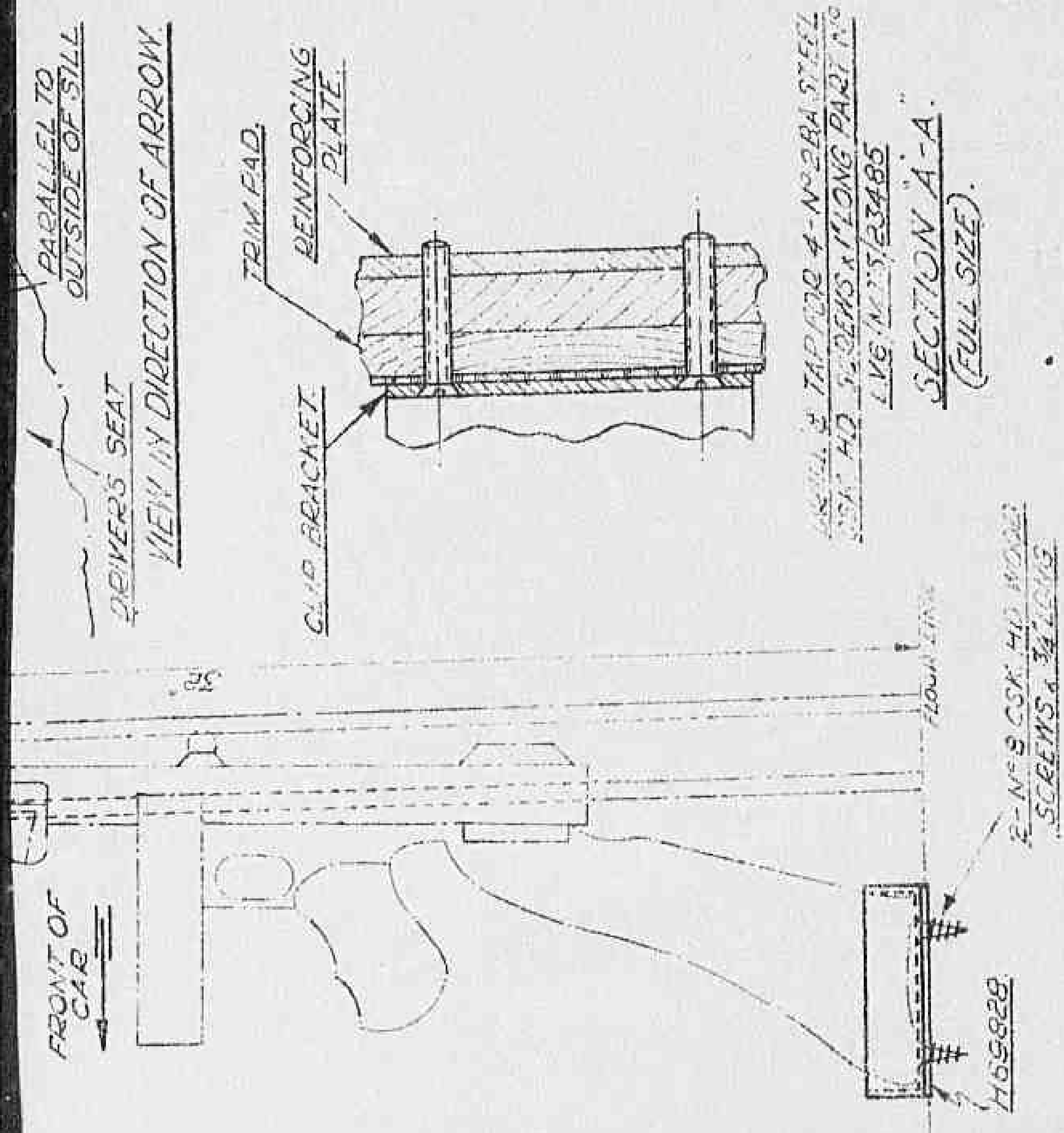
No.

785020

WHEELED VEHICLES
A902



1068



DRG. NO. SD 2201

Sheet 3 of 3

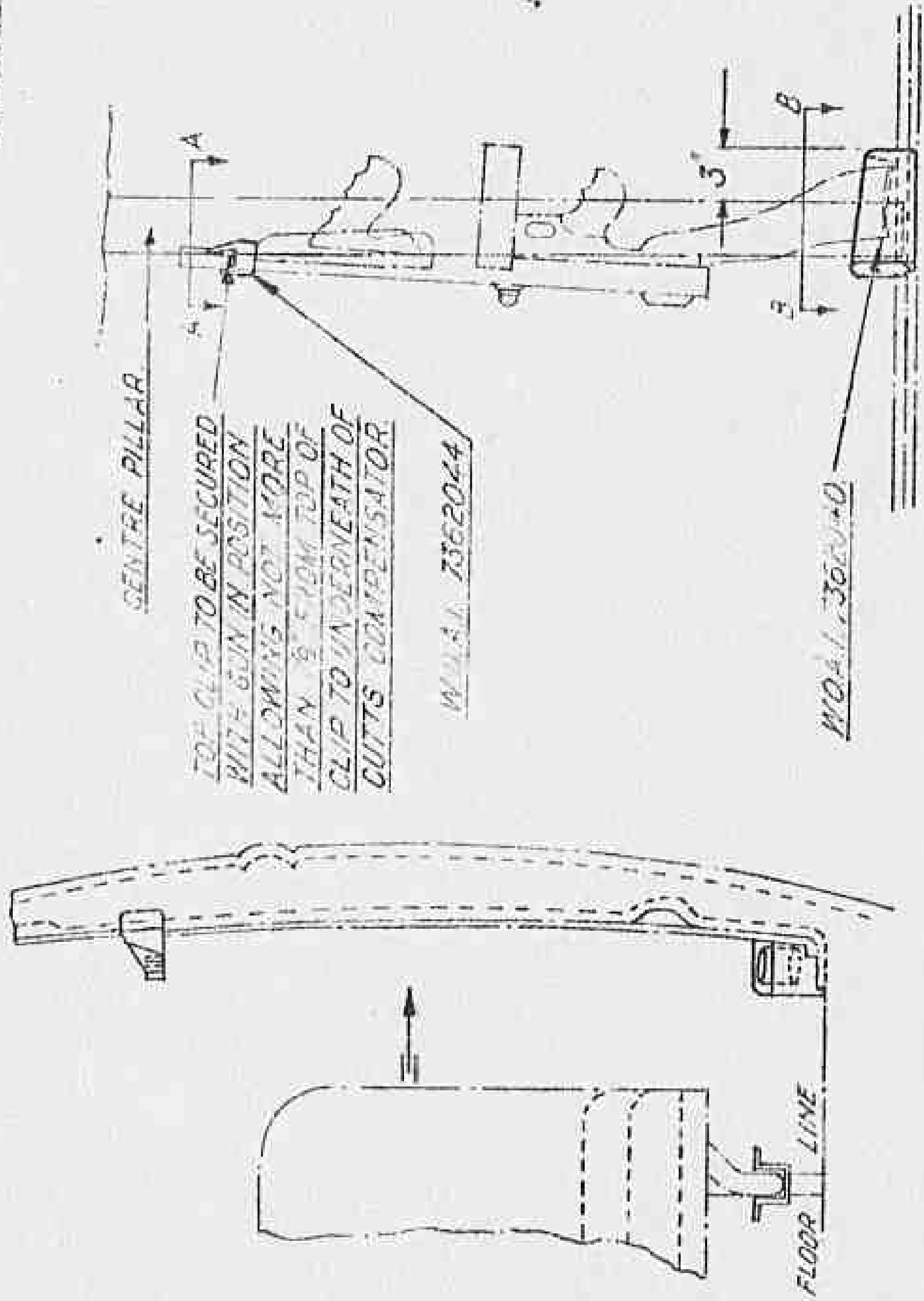
DRAWN	TRACED	CHECKED	APPROVED	DATE

HUMBER HEAVY UTILITY CAR 4x2.
FITTING OF BRACKET & BLOCK FOR HOUSING
THOMPSON S.M.G.

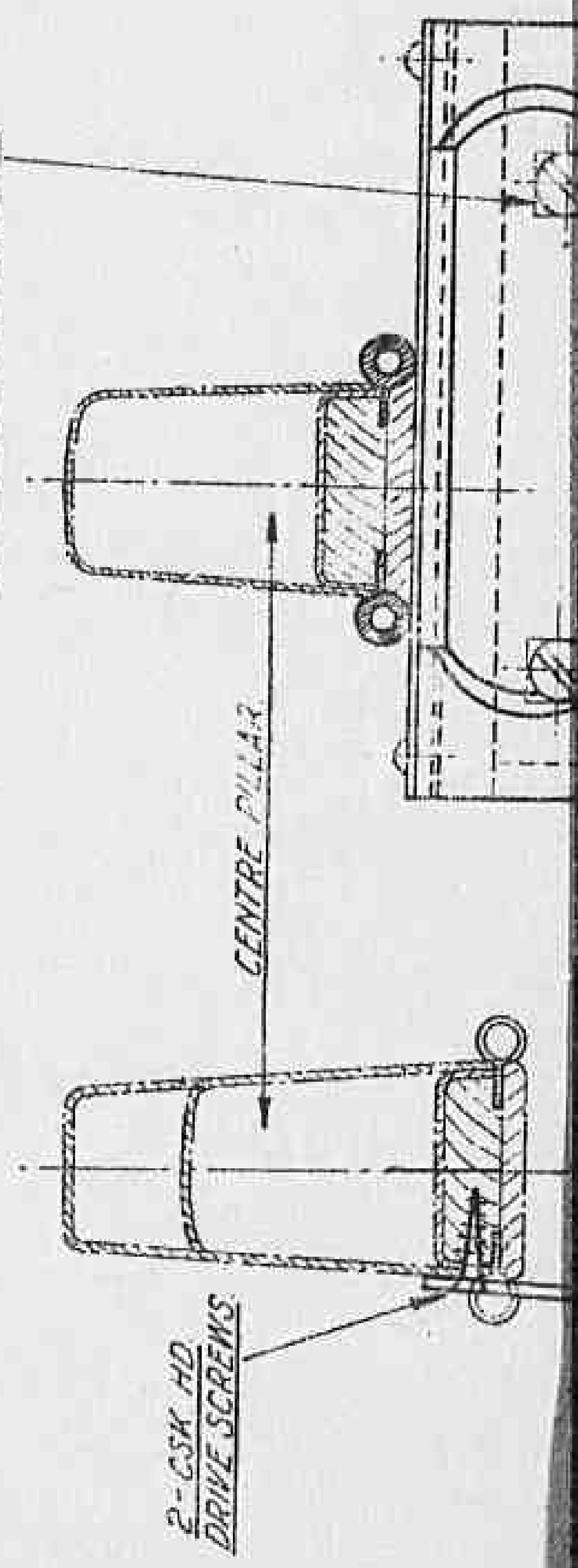
1069

Declassified E.O. 12356 Section 3.3/NND No. 785020

WHEELED VEHICLES
A 902



2- 1/2" DIA. CSK. HD. METAL THREAD SCREWS
1- 2" LONG & 1- 1/8" LONG, EACH WITH SQ.
NUT & SPRING WASHER.



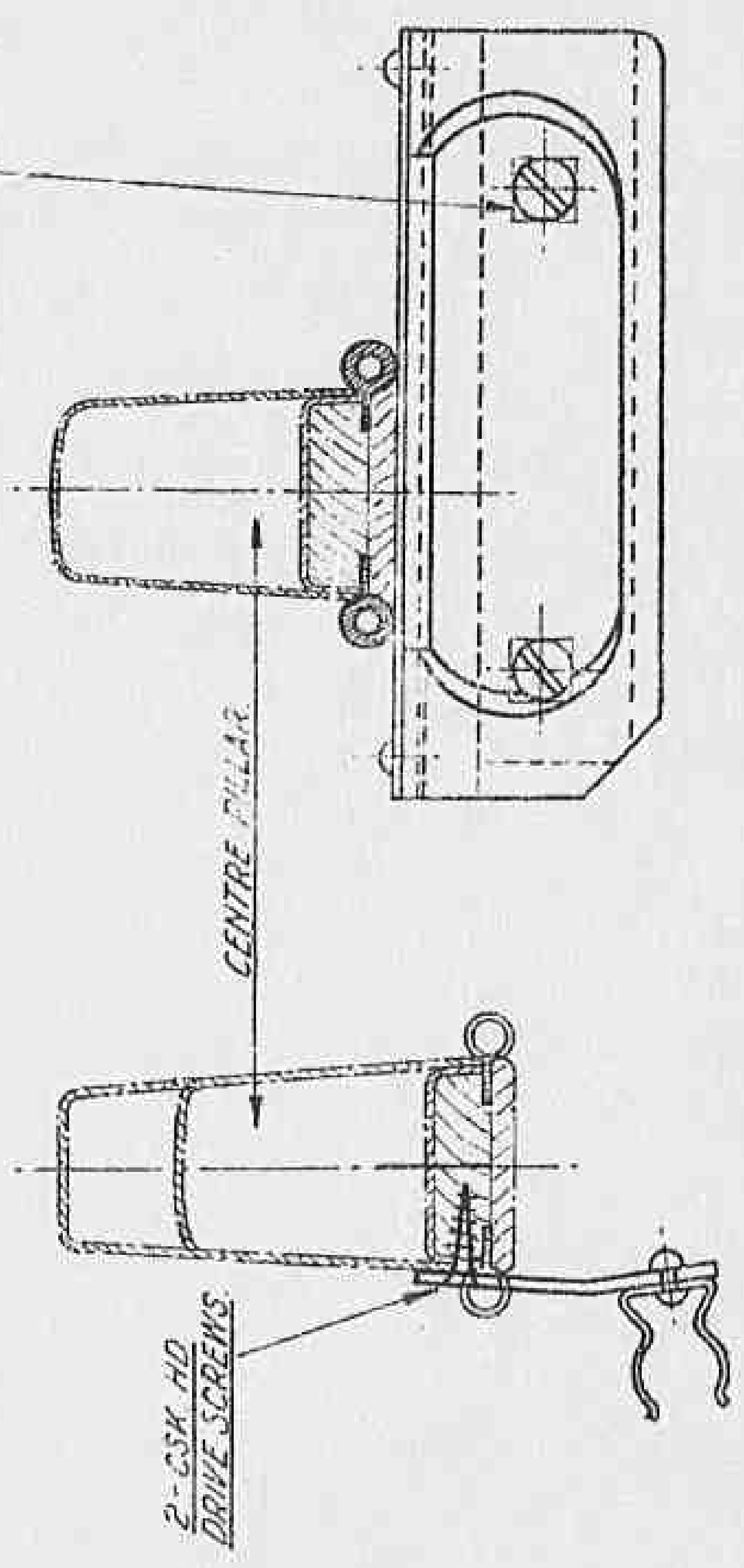
1079

Declassified E.O. 12356 Section 3.3/NND No. 785020

VIEW OF BACK OF
BENCH SEATS.

VIEW IN DIRECTION OF ARROW

2- $\frac{1}{4}$ " DIA CSK HD. METAL THREAD SCREWS
1-2" LONG & 1-1 $\frac{1}{2}$ " LONG, EACH WITH SQ.
NUT & SPRING WASHER.



SECTION A-A
($\frac{1}{2}$ SIZE)

SECTION B-B
($\frac{1}{2}$ SIZE)

DRG. NO. S.D. 2202

Sheet 4 of 5

FORD WDA1 & 1A 5STR 4 WHLD. CAR.
FITTING OF BRACKET & BUCK
FOR HOUSING THOMPSON SMG.

DRAWN.	TRACED.	CHECKED.	APPROVED.	DATE.
				18-12-44

8397

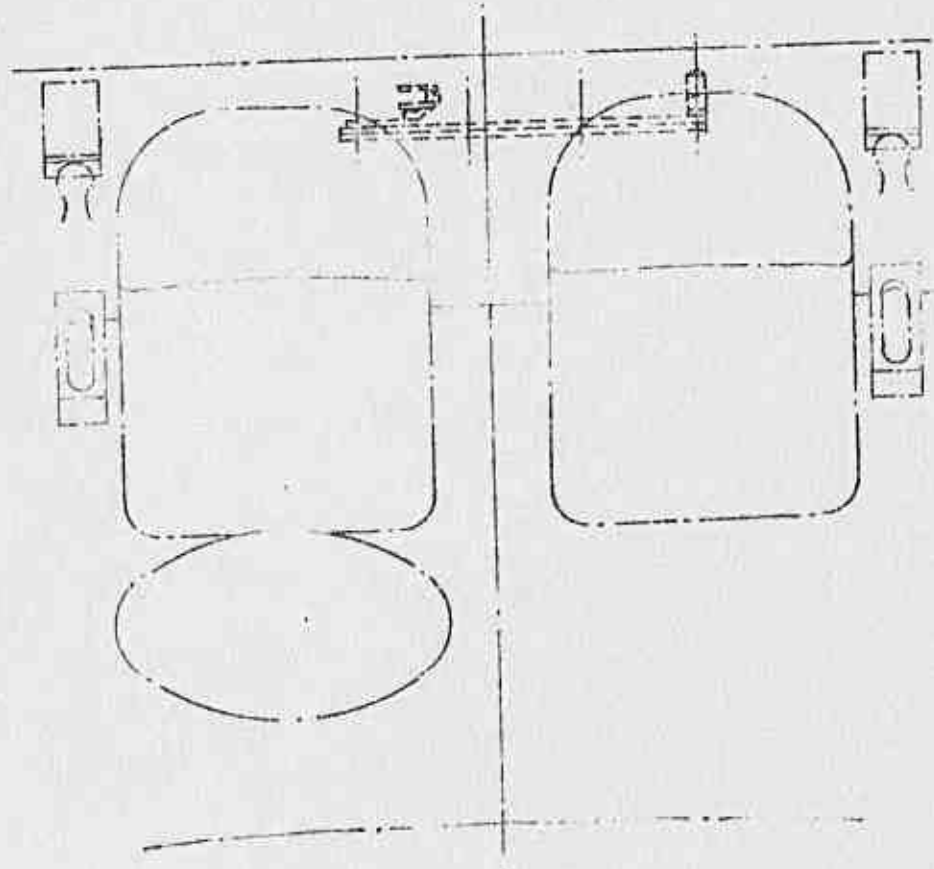
PAGE 8.

1071

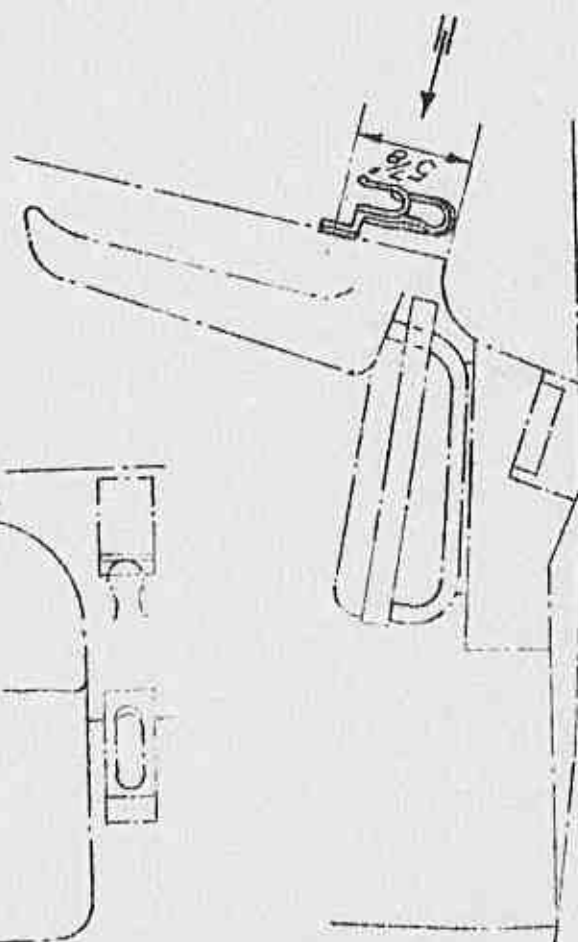
Declassified E.O. 12356 Section 3.3/NND No. 785020

WHEELED VEHICLES.
A.902.

PLAN.



INTERIOR
ELEV'n.

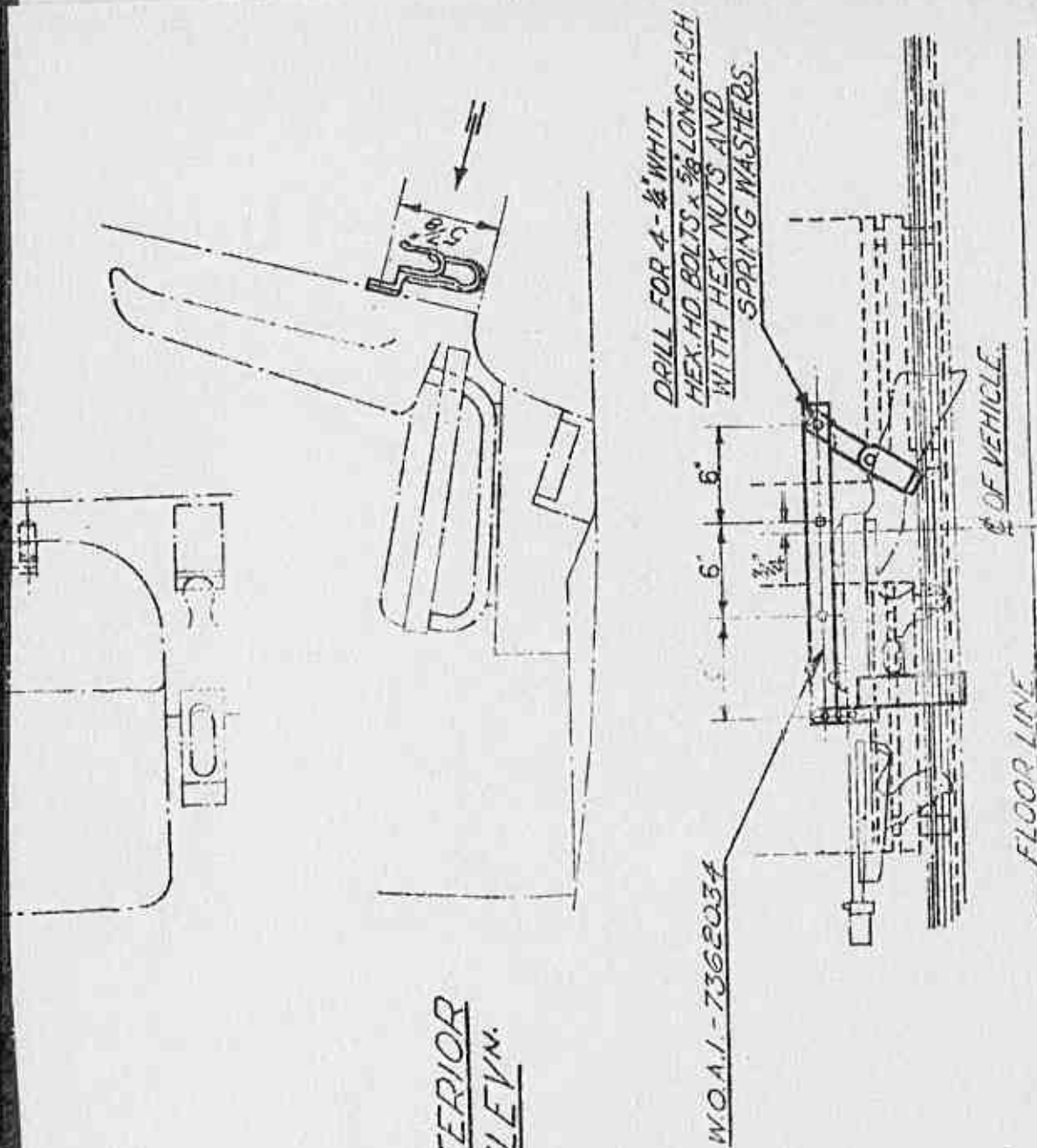


DRILL FOR 4-1/4" WHIT.
HEX. HD. BOLTS x 5/8" LONG EACH
WITH HEX. NUTS AND
SPRING WASHERS.

WO. A. I - 7362034

1072

INTERIOR
ELEV.



REAR VIEW IN DIRECTION
OF ARROW.

DRG. NO. S.D. 2203.

FORD W.O.A. 2 HEAVY UTILITY CAR, 4 WHLD. 4 STL. FITTING OF BRACKET FOR HOUSING THOMPSON S.M.E.	DRAWN	11/10/34
	TRACED	11/10/34
	CHECKED	
	APPROVED	
DATE		

Sheet 5 of 5

ALLIED FORCE LOCAL
ELECTRICAL AND MECHANICAL
ENGINEERING INSTRUCTIONS

VEHICLES GENERAL
H 921

All 'B' Vehicles with Lucas Ignition Equipment

Detail

1. Contact Breaker Arms.

Information

2. This instruction is based on D.M.E., War Office Advan Information Technical Instruction No. B. 857.
3. Trouble has been experienced due to the rapid shrinkage of the composition contact breaker arms under the effects of heat, causing closure of the contact breaker gaps, desynchronization, retarded ignition and loss of power.
4. An improved method of curing the synthetic composition contact breaker arms has now been introduced into production, and to enable these arms to be readily identified the letter "G" is stamped on the upper face of the part.

Action

5. By Units, R.E.M.E. all line workshops and R.A.S.C. workshops platoons.

Instructions

6. As the effects of heat on the arms cured by the original method will result in full shrinkage in approximately 1,000 miles of running, the contact breaker gaps of any NEW VEHICLE received will immediately be checked and set in accordance with the dimension detailed in the vehicle handbook.
7. The gaps will again be checked, and corrected as necessary, at 500 and 1,000 miles of running, and thereafter during normal maintenance. In accordance with Task No. 7 of the Task System.

these arms to be readily identified the letter "C" is stamped on the upper face of the part.

Action

5. By Units, R.E.M.E. all line workshops and R.A.S.C. workshops platoons.

Instructions

6. As the effects of heat on the arms cured by the original method will result in full shrinkage in approximately 1,000 miles of running, the contact breaker gaps of any NEW VEHICLE received will immediately be checked and set in accordance with the dimension detailed in the vehicle handbook.
7. The gaps will again be checked, and corrected as necessary, at 500 and 1,000 miles of running, and thereafter during normal maintenance in accordance with Task No. 7 of the Task System.
8. When any NEW VEHICLE is being prepared for operations involving wading, the contact breaker arm will be carefully examined. When possible, if the arm is not of the latest pattern and marked "C" on its upper face, it will be discarded and a new arm marked "C" fitted, and the gap carefully adjusted to the recommended dimension.

Paul A. H. Q.

Major,
for Major-General,
Director of Mechanical Engineering,
A.F.H.Q.

Page 1.

Issue 1, 12 January 1945.

8395

Declassified E.O. 12356 Section 3.3/NND No.

785020

1075