Declassified E.O. 12065 Section 3-402/NNDO NO. 785020

ACC

10000 | 120 | 3809 ORD/IN

[redacted] Declassified E.O. 12065 Section 3-402/NNPC NO. 785020

i

10000 | 120 | 3807 EP13/14 Ammunition 5811 5871

Oct. 1944. Dec. 1945

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Subject: Training of Ammn Examiners.

HQ 3 Brit Liaison Unit

Ref: ORD/L/31

15 Dec 45.

HQ Legnano Inf Div ( Uff Auto.)

Copy to : O.O. 52 B.L.U.(Bergamo).

1, Ref your 5506 dated 5 Dec 45, the matter of trainirg Italian Amm Examiners will be put up to MMIA who will notify us of the possibility of training facilities.

2, It is possible that men have already been trained at Cesano.

Capt,
Ordnance Officer.

27 XII 5991

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Subject: Inspection of Ammunition.

HQ 3 Brit Liaison Unit

Ref: ORD/L/31

15 Dec 45.

HQ Legnano Inf Div (Uff. Materiale)

Copy to: O.O. 52 B.L.U.

1, Ref your 6630/M/4 dated 1 Dec 45, HQ 2 Districthave been informed of the ammunition you have for inspection and will notify this office when technical staff are available.

2, I shall at a later date inform you when the inspection will take place and call upon you for a guide to take the Ordnance personnel to the sites as indicated in your above quoted letter.

Capt,
Ordnance Officer.

SEC/101
27/XII
5490

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Subject: Disposal of Ammn.

52 British Liaison Unit,
CMF.
14 Nov 45.

G/43/175

HQ LEGNANO Inf Div.

1. Ref this HQ letter G/43/145 dated 23 Oct 45.

2. Please add the following names to Appx 'A' to HQ 59 Area letter 24G of 22 Oct 45 :-

Cpl ROBERTS.
Pte GARDINER.
Pte MEACHAN.

3. Authority for the above:- HQ 59 Area letter 24G of 13 Nov.

SEEN
ORD. OFFICER
B.O.W.O.

Major,
For Lieut-Col.
GS.

/GS

Copy to: Ord 52 BLU
A/Q

5989

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

(64)

Subject: Disposal of Ammo.

52 British Liaison Unit,
BLA.
4 Nov 45.

G/43/162.

HQ LEGMAND Inf Div.

Ref HQ 59 Area letter 24 G dated 22 Oct 45, forwarded under cover of this HQ letter G/43/145 of 23 Oct 45.

Please add the following names to Appx 'A' to the above-quoted letter :

Capt ROBINS
Sjt CONWAY.

Lieut-Col.
CO.

HQ

Copy to: A/Q 52 BLU.
Ord " ✓

SEEN
ORD. OFFICER
B.O.W.O.
1 XI

5185

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

(63)

Subject: Enemy Dumps - Disposal of Ammn.

52 British Liaison Unit,
CMF.
23 Oct 45.

G/A3/145

To: LEGHORN Inf Division.

The attached copy of HQ 59 Area letter 2/6 dated 22 Oct 45 is forwarded for information and necessary action.

SEEN
ORD. OFFICER
B.O.W.O.
24/X.

Mudock
Major,
For Lieut-Col.
GS.

No action

Tel/RS

Copy to: A/Q 52 BLU
Ord 52 BLU

COPY

Subject: Disposal of Ammn.

HQ 59 Area
2/6
22 Oct 45.

To: 52 BLU.

5487

1. The officers and NCOs listed in Appx 'A' are employed on the inspection and disposal of enemy ammn. They are authorised to enter any ammn dump within the Area and remove ammunition as they consider to be dangerous or require immediate destruction. All officers and NCOs will be in possession of a pass to this effect (specimen pass attached at Appx 'B').

2. Please ensure GOs on all ammn dumps are acquainted with this order and that all possible assistance is given to the A/M personnel in order that the removal and destruction of dangerous ammn may be effected as soon as possible.

3. Authority: HQ No 2 District 1265/3/03 dated 17 Oct 45.

(signed) J.H.LAWLEY Capt
For Major,
GS.

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

Appendix 'A' to Hq 59 Area
Letter 250 dated 22 Oct 45.

Ord Personnel authorized to visit
and remove ammn from enemy ammn dumps
in 59 Area.

| | | |
|---|---|---|
| Capt | [illegible] | HAGO |
| Capt | [illegible] | HAGO |
| [illegible] | [illegible] | HAGO |
| [illegible] | [illegible] | HAGO |
| [illegible] | [illegible] | HAGO |
| Cpl | [illegible] | HAGO |
| Capt | Robbins | |
| Sgt. | Lawman | Lee (6) |
| Cpl | Roberts | |
| Pfc | Landers | Lee (5) |
| " | Freeman | |

5986

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Appendix 'B' to [redacted] 59 Area
Letter 240 dated 22 Oct 45.

## HQ 59 AREA.

This pass entitles the bearer to enter any Army Area located in 59 Area for the purpose of inspecting or removing such munition as he considers dangerous or requiring immediate destruction.

This pass is valid for a period of ..... and at the end of this period will be returned to ..... for cancellation.

### PARTICULARS OF HOLDER.

RANK .....

NAME .....

ARCHITECT .....

UNIT OR FORMATION .....

VALID UNTIL .....

DATE ISSUED .....

SIGNED .....

AA & QMG
HQ 59 AREA.

Note: This pass is not valid unless stamped with a HQ 59 Area stamp and signed by AA & QMG, 59 Area.

5985

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

HQ 59 AREA

Questo Lasciapassare autorizza il latore ad accedere di legnaia di Parigiani Nerche situata nella zona del 59 Area per ispezionare o ritirare quei quantitativi di mandarini che egli considererà particolari e per i quali si renderà necessario procedere ad una speciale distruzione

Questo Lasciapassare e' valido per un periodo di .....
..... ed alla scadenza di tale periodo dovrà essere restituito
a ..... per l'annullamento.

CARATTERISTICHE DEL PORTATORE

Grado .....

Nome .....

Incarico .....

Reparto .....

Valido sino al .....

Data di rilascio .....

Firma .....

AA & QMG
HQ 59 Area.

Note: Questo Lasciapassare non e' valido se privo di un bollo del 59 Area e della firma dell 'AA & QMG

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

SUBJECT :- Amn Reserves

(62)

52 British Liaison Unit,
AQ/3/10 ,
28 Sept 45.

HQ LEGNANO Gruppo di Comb

The attached copy of HQ 2 DISTRICT'S letter 1019/Q1 dated 27 Sept is forwarded for information and necessary action.

H. Fano. Major,
for DAA & QMG.

FIELD
WE/BB
Copy to :- 'G' and 'Ord'

COPY

SUBJECT :- Amn Reserves

HQ 2 DISTRICT,
1019/Q1
27 Sept 45.

50 BLU
51 BLU
52 BLU
53 BLU
56 BLU

M 5984

Ref Appx A to this HQ Adm Instr No 33 of 28 Aug 45.

1. The scales of amn to be held by Gruppi in addition to 1st and 2nd line has been agreed at 7 days contact rates, except 17-pdr and 40-mm natures of which 1st and 2nd line only will be held.

2. Ord is arranging provision to these scales and distribution through service channels of details of holdings of each Gruppi.

3. The provision of this letter were notified to areas by our even Nos of 23 Aug and 11 Sep respectively.

(Sgd) J. MARSHALL Colonel,
DA & QMG.

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

Subject: Ammunition Reserves.

52 British Liaison Unit.
C.M.F.
ORD/14(61)
24 Sept. 1945.

D.A.A.& Q.M.G.
52 B.L.U.

Herewith copy of DDOS 2 District's ORD4/4411 dated 21st. Sept. '45, for information.

S/Cdr.
(W.Lyon.)
for O.C. 52 BLU.

5983

(60)

Project: Ammunition Reserve - 2 District.

HQ No. 2 District, CMF.
Tel Ext: 113.

ORD4/4411.
21 Sep 45.

DADOS, 50 BLU.
DADOS, 51 BLU.
DADOS, 52 BLU.
DADOS, 53 BLU.
DADOS, 56 BLU.
OO. 6 ARM. CASALE MONFERRATO.

1. Details of 2 District ammunition reserves to be held by each Gruppi in excess of 1st and 2nd line holdings will be found in attached appendix.

2. These reserves are being consigned from AAD's by rail as follows:-

| Gruppi | | Railhead |
|---|---|---|
| FRIULI | ..... | TRENTO |
| CREMONA | ..... | CASALE POPOLO |
| LEGNANO | ..... | BERGAMO |
| FOLGORE | ..... | BRESSANONE |
| MANTOVA | ..... | GENOVA. |

5982

3. Particulars of despatch will be advised to consignees, who should contact the I.S.R. at railheads not controlled by a R.T.O. in order that rapid clearance may be effected.

Major.
(G.T. HILL),
for DDOS.

NC.

Copy to: "Q".

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Appendix "A" to CRDA/4411
dated 21 Sep 45.

| NATURE | Each Gruppi | NATURE | Each Gruppi |
|---|---|---|---|
| 4in Ill | 625 | 1½lb Inc. Bomb | 38 |
| Red | 375 | | |
| Green | 375 | PLAT HE | 625 |
| 8 Smoke Guns | - | Amonal lbs | 375 |
| | | Nobels Plastic lbs | 1375 |
| 303 Ctn | 137500 | G/C Slabs | 630 |
| Bdr | 62500 | | |
| Trac | 37500 | Primers G.C./C.E. | 1275 |
| Inc | 12500 | | |
| | | Fuze Safety Ft. | 1932 |
| 45 Auto | 93750 | Inst. Ft. | 450 |
| 380 Rev | 1500 | Cordtex/Primacord Ft. | 6250 |
| 30 AP/Trac | - | 27 Dets | 1250 |
| | | 33 Dets | 500 |
| 6pr APC FC | 340 | | |
| HE | 38 | Ign. Perc | 50 |
| | | Elec | 63 |
| 3 in Tank How HE | - | S.F. Striking | 250 |
| Smoke | - | | |
| | | Tub Seal | 100 |
| 25 pr HE Shell | 7168 | Cap Seal pts | 8 |
| Smoke Shell | 672 | | |
| Normal Carts | 7840 | Matches Fuzes boxes | 63 |
| Super Carts | 560 | | |
| | | Switches No. 1 Pull | 25 |
| 37mm APC | - | 2 Press | 25 |
| HE | - | 3 Release | 25 |
| Cannister | - | 7 Elec | 25 |
| | | 8 AP | 25 |
| 76mm Gun HE | - | 9 L Delay | 113 |
| APC/HE | - | | |
| Smoke | - | Trip Wire 032 ins. yds | 500 |
| | | Trap Wire 014 ins. yds | 250 |
| 105 mm How HE M.48 | - | | |
| HE M.54 | - | Clams | 63 |
| Smoke | - | Limpets | 3 |
| HE/Atk | - | | |
| | | Chges Dem No.1 6 lb | 63 |
| 2 mor HE | 3750 | | |
| Smoke | 2500 | Points Demouflet | 38 |
| Ill | 250 | Tubes Camouflet | 8 |
| Red | 63 | | |

5981

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

| | |
|---|---|
| | 93750 |
| 3BO Rev | 1500 |
| 30 AP/Frac | - |
| 6pr APC BC | 340 |
| HE | 38 |
| 3 in Tank How HE | - |
| Smoke | - |
| 25 pr HE Shell | 7168 |
| Smoke Shell | 672 |
| Normal Carts | 7840 |
| Super Carts | 560 |
| 37mm APC | - |
| HE | - |
| Cannister | - |
| 76mm Gun HE | - |
| APC/HE | - |
| Smoke | - |
| 105 mm How HE M.48 | - |
| HE M.54 | - |
| Smoke | - |
| HE/Atk | - |
| 2 mor HE | 3750 |
| Smoke | 2500 |
| Ill | 250 |
| Red | 63 |
| Green | 63 |
| 2 in B.T.S. Hce | - |
| W.P. | - |
| 3in Mor HE Blue Triangle | 2513 |
| Smoke " " | 838 |
| 36 Gren Hand | 1500 |
| 75 " | 1000 |
| 77 " | 1000 |
| 83 " (25% on colour) | 188 |

| | |
|---|---|
| Inst. Ft. | 1932 450 |
| Cordtex/Primacord Ft. | 6250 |
| 27 Dets | 1250 |
| 33 Dets | 500 |
| Ign. Perc | 50 |
| Elec | 63 |
| S.F. Striking | 250 |
| Tub Seal | 100 |
| Cap Seal pts | 8 |
| Matches Fuzes boxes | 63 |
| Switches No. 1 Pull | 25 |
| 2 Press | 25 |
| 3 Release | 25 |
| 7 Elec | 25 |
| 8 AP | 25 |
| 9 L Delay | 113 |
| Trip Wire 032 ins. yds | 500 |
| Trip Wire 014 ins. yds | 250 |
| Clams | 63 |
| Pimpets | 3 |
| Chges Dem No.1 6 lb | 63 |
| Points Camouflet | 38 |
| Tubes Camouflet | 8 |
| Cable Elec | 250 |
| Ins Tape lbs. | 6 |
| Dets Fuze Branch Junction | 50 |

5981

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Subject: Inspection of Ammunition.

52 British Liaison Unit.
C.M.F.
ORD/14(59)
September 1945.

Ufficio Commissariato
'Legnano'.

Reference 114 Regt. 'Mantova' letter 03/2386 dated 11th. Sept. '45.

1/. Please inform the a/m Unit that action was taken by D.D.O.S. 2 District, to inspect the ammunition stated to be U/S, but the I.O.O. was told on arrival that the ammunition had been disposed of some time ago.

2/. Will you please point out to the Unit that mistakes like this reflect upon the efficiency of this Formation, and that in future they should be sure of their facts, when writing to R.A.O.C. for assistance.

S/Cdr.
(W.Lyon.)
for O.O. 52 BLU.

5980

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

58

52 British Liaison Unit,
C.M.F.
ORD/14 (58)
19 September 1945.

D.D.O.S.
H.Q. No. 2 District,
C.M.F.

Subject:-Inspection of Ammunition.

SEE 58A

1/. 114 Regt. "Mantova", who are at present being administered by this H.Q., report that they have 200 3" Mortar bombs in a U/S condition. As this Gruppo has no I.O.C. may the a/m ammunition be inspected by an I.O.C. detailed by you please.

2/. Location of Unit concerned is Caserma G. Garibaldi, Piazza S. Ambrozio, Milan.

Major.
( G.W. GORDON )
D.A.D.O.S. 52 B. 5.9.45

WL/WL.

Declassified E.O. 12065 Section 3-402/NHDC NO. 785020

TV/cm
C O P I A

582

COMANDO 114° REGGIMENTO FANTERIA "MANTOVA"
- Medaglia d' argento -

N°6394/Magg. P.M. 104 lì 10/9/945

Oggetto:Bombe da due alterate.-

AL COMANDO GRUPPO COMBATTIMENTO "LEGNANO"
P.M. 155

^^^^^^^^^^

Presso il III° Battaglione di questo Reggimento esistono nr. 200 bombe da 2" alterate.-

Ciò premesso si prega codesto Comando volere autorizzare il versamento comunicandone nel contempo le modalità.-

Le bombe predette,si trovano depositate presso la 12^ Compagnia del III° Btg./114° Ftr. - Caserma G. Garibaldi - Piazza S. Ambrogio - MILANO.-

IL COLONNELLO COMANDANTE
F° - Aldo Giordano -

.=.-.=.-.=.-

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Mantova.

Bomb - Mkr. 2er mit Br Ersatzteilen
und Werkzeug zu melden.

Hk Kapitän

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

Subject:- Ammuniti(

52, British Liaison Unit,
C.M.F.
ORD/14 (57)
21st August 1945.

(57)

Sjt. Lathom,
52 B.L.U.

Re 52 Composite Platoon (Treviglio) and 3rd Battalion 114 Mantova Regt. (location can be given by Ten. Visterino)

1. 2" and 3" Mortar Ammunition at the above units are reported to be in a dangerous condition.

2. Please inspect and report on completion to this office.

Capt.
(T.P.J. SMITH)
for D.A.D.O.S. 52 BLU.

Declassified E.O. 12065 Section 3-402/NNDG No. 785020

Subject: Arm and Clothing dropped by Allied Aircraft.

52 British Liaison Unit,
CMF.
G/53/20.

9 Aug 45.

HQ LXXIANO Gruppo.

Ref your 01/2869 dated 7 Aug 45.

1. Will you arrange to collect all materials already located, and deliver to DADOS dump who will arrange for disposal of same.

2. The supplies which were dropped in the H AGA area (18/126) as reported by you, were removed approx a month ago. Will you further investigate and ascertain where and by whom these were removed.

D. Taylor Lieut-Col.
GS.

DCT/NS

Copy to: DADOS, 52 BLU.

10 AUG 1945

5976

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

ARMY FORM C2136 (Small) **MESSAGE FORM** Register No. 145

Call: MEMHV MAA2 | Sig. No.: 518 | Precedence: | Information Instructions: QVR 2

ABOVE THIS LINE FOR SIGNALS USE ONLY

FROM (A) Originator: DDOS DISTWO | Date-Time of Origin: 301200B

For Action: 5 AAD

TO (V) For Information (INFO): 52 BLU

Shaved DAA-QMG DAA 31/1

Message Instructions: QQ X | CH: 48

Originator's No.: 055/4037 ① Reference your 26/1/1 of 22 Jul ② Issue to armoured maintenance your stated holding of 3 IN MOR BE /100 AUST against their planned ③ For second echelon ammunition required of above mentioned nature in total amounts to meet your requirements ④ Your G/36/110 of 12 Jul refers.

ARMY EMERGENCY SIGNALS

(SS)

THIS MESSAGE MAY BE SENT AS WRITTEN BY ANY MEANS { EXCEPT ..... } WIRELESS

SIGNED

IF LIABLE TO BE INTERCEPTED OR TO FALL INTO ENEMY HANDS THIS MESSAGE MUST BE SENT IN CIPHER

SIGNED

ORIGINATOR'S DEGREE OF PRIORITY: 5975

Time: THI or TOR 1535 Time cleared

System: Op.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

SUBJECT:- Enemy Ammunition.

52 British Liaison Unit,
C.M.F.
ORD/14 (54)
30th July 45

54

Sjt. Latham.

1. Your attention is drawn to GRO 517/44.

2. In no circumstances will movement of this amn( which contains many highly dangerous natures ) be carried out unless authorized either by A.F.H.Q. or HQ Distwo.

3. H.Q. Legnano Gruppo and A/Q this HQ is already aware of this instruction.

Capt.
(W.P.J.Smith.)
for D.A.D.O.S. 52 B.L.U.

5974

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

(S3)

Subject: Enemy Ammunition.

52 British Liaison Unit,
CMF.
28 July 45.

G/46/37

ORD/14.

HQ LECCHIANO Gruppo.

1. The following is copy of HQ 2 District letter Ord 4/4211 dated 26 July 45, for information and necessary action.

2. Copy of GRO 517/44 is attached for easy reference.

Mucklock
Lieut-Col.
GS.

TPJ/MS

Copy to: A/Q
Ord.

---

COPY

Subject: Enemy Ammunition.

HQ No 2 District CMF
Tel Ext 113
OMD 4/4211
26 July 45. 5973

HQ 59 Area
HQ 60 Area
HQ 66 AA Pde
HQ 151 Sub Area
HQ 215 Sub Area
HQ 51 BLU
HQ 52 BLU
HQ 6 SA Armd Div.

1. Attention is drawn to GRO 517/44 which should be repeated in unit orders quarterly.

2. In no circumstances will movement of this ammn (which contains many highly dangerous natures) be carried out unless authorised either by AFHQ or this HQ.

(signed) ??? Major
for Colonel DDOS.

29 JUL 1945

Declassified E.O. 12065 Section 3-402/NHDC NO. 785020

Subject: Ammunition.

52

52 British Liaison Unit,
C.M.F.
ORD/14(52)
19 July 1945.

DAA & QMG.,
52 B.L.U.

51.

1. Ord. Distone Signal 03/148 of 18 July 45 repeated for information and action as necessary:-

"Unless ammunition held for you is collected within 48 hours regret must cancel Issue Order and backload to Base".
Telephone conversation Major Borda-Capt Smith refers.

Capt.
(W.P.J. SMITH)
for D.A.D.O.S. 52 B.L.U.

5972

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

ARMY FORM 4-2136 (Small)

# MESSAGE FORM

Register No. 58

| Call | Sig. No. | Priority | Transmission Instructions |
|---|---|---|---|
| NEMH V NAAZ | 545+ | QVRI | MBZX |

ABOVE THIS LINE FOR SIGNALS USE ONLY

FROM (A) Originator: ORD DISTONE — Date-Time of Origin: 181915 B

For Action

TO DADOS 52 DLU

TO (W) For Information (INFO)

OC SO DD

Originator's No.

OSIUS RESTRICTED Cable as addition
Rec'd for you is corrected within 48 hours
request next cable copies orders Grey
Lead Coat to Base

Copy to DAQMG Pl.

Hoff

Office Date Stamp: 18 JUL 1945 SIGNALS

Message Instructions — GP: 21

(51)

(ETAM) W. 48265 '45. 900,000 Pads. 3-44. R. & S. Ent. 49-214

THIS MESSAGE MAY BE SENT AS WRITTEN BY ANY MEANS { EXCEPT / WRITTEN }

SIGNED 18 JUL 1945

IF LIABLE TO BE INTERCEPTED OR TO FALL INTO ENEMY HANDS, THIS MESSAGE MUST BE SENT IN CIPHER

CHECK ONE: INSTRUCTIONS / PRIORITY

| Time | Station | Op'r |
|---|---|---|
| THI or TOR 2230 | 4 | 44 |
| Time Received 5971 | | |

(50)

Subject: Training Ammunition. pdl/1+

52 British Liaison Unit,
GHQ
17 July 45.

G/35/112

HQ Lorraine Groupe.

38

Ref this HQ letter G/35/102 dated 17 June 45, forwarding copy of AFHQ letter AG/503 dated 26 May 45.

1. Under authority of 2 District letter 2371/G(302) dated 14 July, demands for trg ammn will in future be submitted monthly by formations, etc, in accordance with the scales shown in the AFHQ letter, namely :-

Italian Combat Groups - Major natures: as per Appx 'A'
Minor natures: 2/3rds of Inf Div scale (serial 1 of Appx 'B').

2. Demands will be submitted to Ord HQ 2 District by 15th of each month for the succeeding month - to be forwarded to FAU by 12th of each month.

3. Demands will be checked on receipt by Ord HQ 2 District and any doubtful or excessive demands will be referred to G Branch HQ 2 District.

Releases will then be made, as far as stocks and the scales permit, from Depots or Dumps indicated by Ord, who will also indicate whether or not the unit is to collect.

4. Please forward your demand for August 45 to this HQ as soon as possible.

5970

Allchock Major
Lieut-Col.

Declassified E.O. 12065 Section 3-402/NNDS NO. 785020

1. Under authority of 2 District letter 3571/2(SD2) dated 14 July, demands for try ons will in future be submitted monthly by formations, etc, in accordance with the scales shown in the A(SD) letter, namely :-

Italian Combat Groups - Major natures: as per Appx 'A'
Minor natures: 3/5ths of Inf Div scale
(serial 1 of Appx 'B').

2. Demands will be submitted to Ord Hq 2 District by 15th of each month for the succeeding month - to be forwarded to HQ by 12th of each month.

3. Demands will be checked on receipt by Ord Hq 2 District and any doubtful or excessive demands will be referred to G Branch HQ 2 District.

Releases will then be made, as far as stocks and the scales permit, from Depots or Dumps indicated by Ord, who will also indicate whether or not the unit is to collect.

4. Please forward your demand for August 45 to this Hq as soon as possible.

5970

[illegible]/MS

Copy to A/Q.
Ord.

for Lieut-Col.
GS.

[illegible] 1945

Declassified E.O. 12958 Sec. 3.4(b)/NNDB No. 785020

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Subject :- Training Amm.

52 British Liaison Unit
C. [illegible].
ORD/14
28 June 45.

(49)

DAA & QMG.,
52 B.L.U.

1. Attached herewith copy of 50BD/60/R (48) dated 25 June45; for information and action as necessary.

Capt.
(W.P.J. Smith)
for D.A.D.O.S. 52 B.L.U.

Copy to:- Sgt. Latham, Acting A.E.
52 B.L.U.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

9 4 5 7

SUBJECT:- TRAINING AMN - JULY.

TO:- D.D.O.C.,
NO.1 DIST.

COPIES TO :- D.D.O.S.
NO.2 DIST.

BG R.L.U.
RS R.L.U.
RD R.L.U.

BOND/60/R.
25/JUNE/45.

Ref Fifth Army relases of Training Amn to R.L.U.'s, Issue Order Nos. 5A/110/1-5 dated 20/June/45 refers.

The following are the imbilities on the a/m issue orders.

| | | | |
|---|---|---|---|
| Issue Order 5A/110/1 | .300 Rev | 1280 | Rds. |
| | Rangaloree | 50 | " |
| | 4.2 Mor HE S/L | 72 | " |
| | Tape Insulating | 4 | lbs. |
| Issue Order 5A/110/2 | .300 Rev | 4000 | Rds |
| | Rangaloree | 50 | " |
| | 4.2 Mor HE S/L | 300 | " |
| | Tape Insulating | 4 | lbs |
| Issue Order 5A/110/3 | .300 Rev | 4000 | Rds |
| | Rangaloree | 50 | " |
| | 4.2 Mor HE S/L | 300 | " |
| | 17 pdr Ape/Be | 96 | " |
| | Tape Insulating | 4 | lbs. |

5968

Field. O.C. Ammunition Section, 5 Ord Beach Detch:

Copies as per (43)

28 JUN 1945

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Subject:- Ammunition - Pamphlet.

52 British Liaison Unit
C.M.F.
ORD/14
27 June 1945.

(47)

Sgt Latham
Acting A.E.,52 B.L.U.

1. Herewith one copy of Pamphlet No 11, Small Arms Ammunition, forwarded to you for information.

Capt.
(W.P.J. Smith)
for D.A.D.O.S. 52 B.L.U.

5967

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Subject: Training Amn.

(46)

52 British Liaison Unit,
C.M.F.
ORD/14
25 June 1945.

DAA & QMG.,
52 B.L.U.

43 44

1. Attached herewith copies of ADOS Brit. Incr. Fifth Army letters Ref. 5A/HQ/4/500 dated 20th and 21st June 45, for information and action as necessary.

W.P.J.

Capt.
(W.P.J. SMITH)
for D.A.D.O.S. 52 B.L.U.

Copy to: Sgt. Latham, Acting A.E.
52 B.L.U.

5966

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

(45)

British Increment (Ordnance Branch),
Rear HQ Fifth Army, CMF.

Phone : LIGHTNING REAR 173.

Ref : 5A/GS/4/528.

Date : 20 June 45

SUBJECT : Publications.

To: D.D.O.S. 52 EW

.....

.....

Herewith the undermentioned Technical Publications, for which kindly acknowledge receipt by returning the attached slip.

T.A.L's Nos 51 & 52 - 1 copy of each

Passed to Sgt. Latham.
Capt. 25/6

Give Sgt Latham
25/6

5965

H. MARTIN, Capt,
for Lt-Col, A.D.O.S.

25 JUN 1945

Field.

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Subject : Train[illegible] Amm.

British Element (Ordnance Branch),
Rear HQ Fifth Army, GAF.

Phone : [illegible] REAR 273. (44)

Ref : 5A/Ma/4/500.

Date : 21 June 45.

To : O.C., 5 O.B.D. Amm Sec.

Copies to 50 B.L.U.
52 B.L.U.
53 B.L.U.

Ammunition issued to the Gruppi for training must be signed for by an Italian officer and vouchers prepared in the usual way in accordance with A.F.H.Q. letter ref 900/55/4(4) dated 17 Feb 45.

Field.

C. Williams Major
O.C. [illegible], Major,
for Lt-Col., A.D.O.S.

Please keep 25/VI.

Copies as for (43)

24 JUN 1945

5964

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

(43)

British Increment (Ordnance Branch),
HQ Fifth Army, C.M.F.

Phone: LIGHTNING 273

5A/OS/4/500

20th June, 45.

SUBJECT: Training Amn - JULY

To: 50 B.L.U.
53 B.L.U.
52 B.L.U.

Copy to DDOS 1 District
DDOS 2 District
OC 5 O.B.D. Amn Sec
'Q' Brit. Incr.

Reference this HQ letter 202/18/G(SD) of 10 June, 45.

1. Attached is an issue order for your entitlement of training amn for the month of JULY.

2. In the event of this allottment being sub allocated by you to Regts, u/c to collect, may the issue order number be quoted by each Representative calling at the depot.

3. All Amn will be drawn from 5 O.B.D. Amn Depot, BOLOGNA(GR 1921501).

4. In the event of a formation changing command in the middle of a month, a certificate will be furnished by OC 5 O.B.D. Amn Sec on demand stating what quantity of its training allotment has been drawn.

C.L. HILBERT, Major,
for Lt-Colonel, A.D.O.S.,
Brit. Incr., FIFTH ARMY.

5963

Field.

24 JUN 1945

COPY

in lieu of AF G975

ISSUE ORDER.

Issue Order No. 5A/HQ/2

Date. 20 June '45.

Auth: DADOS 5Amn)
HQ Fifth Army, CMF.
Issuing Depot. 5 OBD Amn Sec.
BOLOGNA MR L 921501

ISSUE TO: 52 B.L.U.

| Nature | Quantity. |
|---|---|
| .303 Ctn | 220,000 |
| Bdr | 100,000 |
| Trac | 60,000 |
| Inc | 20,000 |
| .45 Auto | 100,000 |
| .380 Rev | 4,000 |
| PIAT HE | 6,000 |
| Grens 36M Hand | 2,000 |
| 75 | 1,000 |
| 77 | 2,000 |
| Carts 1 in Illum | 300 |
| Red | 200 |
| Green | 200 |
| Explosives 3 ton pack | 2/3rds quantities each nature |
| Bangalores | 50 |
| 2 in Mor HE | 3,000 |
| Smoke | 2,000 |
| Illum | 400 |
| Red | 100 |
| Green | 100 |
| 3 in Mor HE HV | 2,000 |
| Smoke | 1,000 |
| 4.2 in Mor HE (Br) | 800 |
| Smoke | 100 |
| 25 Pdr Shell HE C/Rs | 2,232 |
| Smoke C/Rs | 310 |
| Super Carts | 217 |
| 6 Pdr APC BC | 744 |
| HE | 62 |

5962

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

| Nature | Quantity. |
|---|---|
| .303 Ctn | 220,000 |
| Bdr | 100,000 |
| Trac | 60,000 |
| Inc | 20,000 |
| .45 Auto | 100,000 |
| .380 Rev | 4,000 |
| PIAT HE | 6,000 |
| Grens 36M Hand | 2,000 |
| 75 | 1,000 |
| 77 | 2,000 |
| Carts 1 in Illum | 300 |
| Red | 200 |
| Green | 200 |
| Explosives 3 ton pack | 2/3rds quantities each nature |
| Bangalores | 50 |
| 2 in Mor HE | 3,000 |
| Smoke | 2,000 |
| Illum | 400 |
| Red | 100 |
| Green | 100 |
| 3 in Mor HE HV | 2,000 |
| Smoke | 1,000 |
| 4.2 in Mor HE (Br) | 800 |
| Smoke | 100 |
| 25 Pdr Shell HE C/Rs | 2,232 |
| Smoke C/Rs | 310 |
| Super Cartes | 217 |
| 6 Pdr APC BC | 744 |
| HE | 62 |
| AP SV DS | 16 |
| 17 Pdr APC BC | 167 |
| HE | 16 |
| AP SV DS | 4 |
| 40 mm HE (7 Sec) | 560 |

Approved:
(Sgd.) C.L. HILBERT, Major.
DADOS (AMN.)

5962

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Subject: Return of Ammunition.

(42)

52 British Liaison Unit,
C.M.F.
ORD/14
22 June 1945.

Sgt. Latham,
Acting A.E.,
52 B.L.U.

41A

1. Attached herewith, copy of AFHQ letter AFHQ/4066/Q(Maint) of 14 June 45.

2. Will you please refer to the G.R.O. in question, and warn units accordingly.

Capt.
(W.P.J. SMITH)
for D.A.D.O.S. 52 B.L.U.

5961

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

(141)

Subject : Return of AFPU.

British Element (Ordnance Branch),
Rear HQ Fifth Army, CMF.

Phone : LEGHORN M R 273.

Ref : 5/08/4/501.

Date : 18 June 45.

To : 0360, 6 SA Armd Div.
DADOS 50 BLU.
DADOS 52 BLU.
DADOS 53 BLU.
DADOS 215 Sub Area.
DADOS 216 Sub Area.
OC 4 OBD (Ammo Sec).
OC 5 OBD (Ammo Sec).
HQ 1/c 45 Evac.

Enclosed for information copy of AFHQ letter AFPU/4066/Q(Maint) of 14 June 45.

Field. 21 JUN 1945

H. MARTIN, Captain,
for Lt-Col., AIOS.

5960

Dell Sgt Latham to look up GRO in Greatcoats + warn everybody accordingly w/r 21/6

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

(LII A)

SECRET.

ALLIED FORCE HEADQUARTERS.

SUBJECT : Return of Ammunition.

AFHQ/4066/4 (Maint).

14 Jun 45.

To : CG, Fifth Army (for Br Incr) (3)
Rear H.q. Eighth Army. (3)

1. The lar e scale movement of formations and units down the L of C from army areas has frequently necessitated surplus ammunition being handed in to ammunition depots prior to departure.

2. In such circumstances, cases continue to occur of units' attempting to hand in quantities of grenades hand No. 75, contrary to the provisions of G.R.O. 832 of 1944.

3. Will you please ensure that when orders are issued for the handing in of ammunition, attention is drawn to this G.R.O. for compliance.

(Sgd) [illegible] Lt. Col.,
T.F. WHITAKER, Lt. Col,
for Lieutenant-General,
Chief Administrative Officer,
A.F.H.Q.

HCJ/PGR.

Copy to:- Headquarters, 1 District.
Headquarters, 2 District.
Headquarters, 3 District.
G-3.
Ord (B)

5959

3468

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Subject: Training Ammunition.

52 British Liaison Unit,
C.M.F.
ORD/14
18 June 1945.

Sgt. Latham,
Acting A.E.,
52 B.L.U.

1. Attached herewith copy of 52 BLU letter G/36/102 of 17 June 45, and AFHQ letter ESD/503 dated 26 May 45, for your information.

Capt.
(W.P.J. SMITH)
for D.A.D.O.S. 52 B.L.U.

159

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Subject:- Battlefield Clearance of Enemy Ammunition.

(39)

52, British Liaison Unit,
C.M.F.
ORD/14.
15th June 1945.

Sgt. Lathom,
Acting A.E.,
52 B.L.U.

37.

Reference 5 Army's 5A/OS/4/514 dated 14th June 1945 and A.F.H.Q's D.O.S/64/5/4 dated 11th June 1945, herewith copy of the policy laid down, for the disposal of enemy ammunition in the field.

W.P.J. Smith

Capt.
(W.P.J.Smith)
for D.A.D.O.S. 52 B.L.U.

Copy to:- Ufficio Commissariato.

5958

(38)

Subject : Training Ammunition.

RESTRICTED

52 Brit Liaison Unit
CMF.
17 Jun 45

G/35/102

HQ Legnano.

The following are relevant extracts from HQ 5 Army (Brit Elm) letter 202/18/G(AD) dated 10 Jun 45, for your information and necessary action:-

1. Attached is copy of AFHQ letter NAD/503 dated 26 May 45.

2. (a) For the purpose of calculating the entitlement of the minor natures, Italian Combat Groups will work on 2/3rds Inf Div scale.

(b) The entitlement of major natures will be calculated in accordance with Appx 'A' to the attached letter.

3. On the 20th of each month an issue order will be sent by Gnd Brit Elm 5 Army to formations, laying down how and when ammn for the following month may be collected.

4. Only ammn required by formations for specific training shoots will be drawn. Any quantities which have not been drawn by the end of the month will be cancelled.

5. In the event of a formation changing command in the middle of a month, a certificate will be furnished by Gnd to the formation concerned stating what quantity of its trg allotment has been drawn.

■ 5957

H Buchlock Maj
Lieut-Col.
GS.

/hjj

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

2. (a) For the purpose of calculating the entitlement of [redacted] natures, Italian Combat Groups will work on 2/3rds Inf Div scale.

(b) The entitlement of mules natures will be calculated in accordance with Appx 'A' to the attached letter.

3. On the 20th of each month an issue order will be sent by Ord Brit Lns 5 Army to formations, laying down how and when mun for the following month may be collected.

4. Only mun required by formations for specific training shoots will be drawn. Any quantities which have not been drawn by the end of the month will be cancelled.

5. In the event of a formation changing command in the middle of a month, a certificate will be furnished by Ord to the formation concerned stating what quantity of its trg allotment has been drawn.

■ 5957

H Huckbody Maj
Lieut-Col.
GS.

/hjj

Copy to : Rear HQ.
[redacted]
[redacted].
DADOS.

Copy for Sqn Leaders
18/VI

18 JUN 1945

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Subject : Battle Field Clearance of Enemy Mines.

(37)

British Increment (Ordnance Branch),
Rear HQ Fifth Army, BMF.

Phone : LIGHTNING REAR 273.

Ref : 5A/OS/4/514.

Date : 14 June 45.

To : DADOS 50 BLU.
DADOS 52 BLU.
DADOS 53 BLU.
DADOS 215 Sub Area.
DADOS 216 Sub Area.
OC 5 OBD (Ammn Sec).
OC 4 OBD (Ammn Sec).
WO i/c 45 MARU.

Copy to G3 Brit Incr HQ 5th Army.
'Q' Brit Incr HQ 5th Army.
Engr Sect (Br) HQ 5th Army.

5956

Enclosed for information copy of AFHQ letter DOS/64/5(4) of 11 June 45.

H. MARTIN, Captain,
for Lt-Col., ADOS.

Copy to
Sqt Latham
i Commissariat

Field.
Encl.

16 JUN 1945

COPY.

37a

ALLIED FORCE HEADQUARTERS
ORDNANCE (British)

Tele : Freedom 801

Subject : Battlefield Clearance of Enemy Ams.

Refce: DOS/64/5(4)

11 June 45.

To ; D.D.O.S., No. 1 District.
D.D.O.S., No. 2 District.
D.D.O.S., No.,3 District.

Copies : D.D.O.S., Rear H.Q Eighth Army.
A.D.O.S., Brit Inc. Fifth Army

'Q' (AM)5., A.F.H.Q.
'Q' (Maint)., A.F.H.Q. - Ref your AMH/4060/1/Q(Maint) of 8th June 1945.

1. Q(AM), A.F.H.Q. have approved the following policy for the clearance of enemy ammunition.

2.

| NATURE OF DUMP | METHOD OF DISPOSAL | ORDNANCE RESPONSIBILITIES |
|---|---|---|
| (a) Small quantities found at gun sites in dugouts etc. | Destruction by Italians. | NIL |
| (b) Small organised dumps of less than 500 tons. | Destruction by surrendered German personnel. | Small cadre of offrs and ORs in a supervisory capacity. |
| (c) Large organised dumps of 500 tons or more. | will not be destroyed but will be safeguarded until further orders. | |

3. With reference to para 2(b) above. I.O.O's formations with their ammunition examiners will supervise the destruction by German personnel.

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

'Q' (AE)5., A.F.H.Q.
'Q' (Maint)., A.F.H.Q. - Ref your AEM/4080/1/Q(Maint) of 8th June 1945.

---

1. Q(AE), A.F.H.Q. have approved the following policy for the clearance of enemy ammunition.

2.

| NATURE OF DUMP | METHOD OF DISPOSAL | ORDNANCE RESPONSIBILITIES |
|---|---|---|
| (a) Small quantities found at gun sites in dugouts etc. | Destruction by Italians. | NIL. |
| (b) Small organised dumps of less than 500 tons. | Destruction by surrendered German personnel. | Small cadre of offrs and ORs in a supervisory capacity. |
| (c) Large organised dumps of 500 tons or more. | Will not be destroyed but will be safeguarded until further orders. | NIL. |

3. With reference to para 2(b) above. I.O.O's formations with their ammunition examiners will supervise the destruction by German personnel.

(Sgd) [illegible] Lt. Col.
S.J. Thomas Lt.Col.
for Maj-Gen
D.O.S., A.F.H.Q.

Declassified E.O. 12065 Section 3-402/NNDG No. 785020

Declassified E.O. 12065 Section 3-402/NHDC No. 785020

Subject: Policy of Disposal of German Amn.

(36)

52 British Liaison Unit,
C.M.F.
ORD/14
4 June 1945.

Sgt. Latham,
52 B.L.U.

1. Enclosed AFHQ letter DOS/64/5(4) of 28 May, 45 is passed to you for information.

Capt.
(W.P.J. SMITH)
for D.A.D.O.S. 52 B.L.U.

5954

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

Subject: Grenades No. 77

(35)

52 British Liaison Unit,
C.M.F.
ORD/14
4 June 1945.

A.D.O.S.,
British Increment (Ordnance Branch),
Rear H.Q. Fifth Army,
C.M.F.

(31)

Reference your 5A/OS/4/507 dated 27 May 1945.

1. A 100% inspection has been carried out, and 36 grenades which were found to be unserviceable have now been destroyed.

Capt.
(W.P.J. SMITH)
for D.A.D.O.S. 52 B.L.U.

5953

Unclassified E.O. 12065 Section 3-402/NNDC NO. 785020

Subject: Certs. QF 17 Pdr APC BC Shot. (34)

52 British Liaison Unit,
C.M.F.
ORD/14/
4 June 1945.

A.D.O.S.,
British Increment (Ord. Branch),
Rear H.Q. Fifth Army,
C.M.F.

(32)

Reference your 5A/OS/4/504 dated 27 May 1945.

1. Nil Return.

Capt.
(W.P.J. SMITH)
for D.A.D.O.S. 52 B.L.U.

5952

ORD/14 (33)

SUBJECT : Policy of disposal of German Ammn.

British Increment (Ordnance Branch),
Rear HQ Fifth Army, CMF.

Phone : LIGHTNING REAR 173.

Ref : 5A/03/4/514.

Date : 31 May, 45.

To: DADOS 50 B.L.U.
DADOS 52 B.L.U.
DADOS 53 B.L.U.
DADOS 215 Sub Area
DADOS 216 Sub Area.
OC, 4 ORD Ammn Sec.
OC, 5 ORD Ammn Sec.
WO i/c 45 M.A.R.U.

Enclosed AFHQ letter DCS/64/5(4) of 28 May, 45 for information.

H. MARTIN, Capt,
For Lt-Col, ADOS.

Field.

Copies to: G-3, Brit HQ 5 Army.
'Q' Brit Inc HQ 5 Army.

2 JUN 1945

5451

133 A 76

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

To: DADOS 50 B.L.U.
DADOS 52 B.L.U.
DADOS 55 B.L.U.
DADOS 215 Sub Area
DADOS 216 Sub Area.
OC, 4 OBD Amn Sec.
OC, 5 OBD Amn Sec.
WO i/c 45 M.A.F.U.

Enclosed AFHQ letter DOS/64/5(4) of 28 May, 45 for information.

H. MAR[redacted]N, Capt.
for Lt-Col, ADOS.

Field.

Copies to: G-3, Brit HQ 5 Army.
'Q' Brit Inc HQ 5 Army.

2 JUN 1945

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

(32)

SUBJECT : Carts QF 17 Pdr APC BC Shot.

British Increment (Ordnance Branch).
Rear HQ Fifth Army. C.M.F.

Phone : LIGHTNING REAR 173.

Ref : 5A/08/4/504.

Date : 27 May, 45.

To: CQSC 6 (SA) Armd Div.
DADOS 50 B.L.U.
DADOS 52 B.L.U.
DADOS 53 B.L.U.

Copies to: OC 4 CBD (Amn Sec).
OC 5 CBD (Amn Sec).
MO i/c 4C MARU.

1. Cartridges of QF 17 Pdr APC BC shot Batch E 254 B will be segregated.

2. Quantities segregated will be reported to this HQ earliest.

3. Formations will return any of above Batch to ammo depot at 53 Readhead.

Retd to Lt Col
by hand
3/5

H. MARTIN, Capt.
for Lt-Col. ADOS.

Field.

31 MAY 1945

5950

Rear copy Sth Lankam
Later copy of "Inspection 77 Grenade"

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

SUBJECT : Grenades No. 77.

31

British Detachment (Ordnance Branch),
Rear HQ Fifth Army, C&F.

Phone : LIGHTNING REAR 173.

Ref : 5A/08/4/507.

Date : 27 May, 45.

To: OC 4 OBD (Amm Sec).
OC 5 OBD (Amm Sec).
WO i/c 45 MARU.

Copies to: COSO 6 (SA) Armd Div.
DADOS 50 B.L.U.
DADOS 52 B.L.U.
DADOS 53 B.L.U.

Enclosed letter from AFHQ DOS/T/10/2(4) of 22 May, 45.
A 100% inspection will be carried out on all depot stocks.
Completion of inspection will be reported to this HQ.

30 MAY 1945

5949

Field.

Copy to Sgt Fallon
by hand

H. MARTEN, Capt,
for Lt-Col, ADOS.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

RESTRICTED

Subject :- 69 Grenades and Bombs Hand Incendiary.

52 British Motor Unit
GHQ

28 Apr 45

G/16/75

HQ Lozanne Group

The following is a copy of AFHQ Signal FX 66415 of 26 Apr, for information -

" RESTRICTED (.) FX 66415 (.) Subject is number 69 Grenades and Bombs Hand Incendiary one and one quarter pounds (.) War Office Signal notifies that production of subject mun has been discontinued, and no further releases to theatres will be made (.) Theatre holdings will be used until exhausted (.) Action will be taken later to delete from equipment scales"

Major
GS

WJ-L/mm

Copy to :- Rear HQ
DADOS

29 APR 1944

5948

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Confidential

Subject:- Ammunition Backloading.

52 B.L.U.,
C.M.F.
ORD/14.
28 Apr. 45.

D.A.D.S.T.,
52 B.L.U.,
C.M.F.

Hereunder copy of Signal Q.396 dated 27 Apr. 45, from C.4., British Increment.

' Q.396. Confidential. Understood amn. supply backloaded to 127 FMC. No further amn. will be backloaded to 127 FMC. Amn. backloaded in future will be to 53 Rd. Head. Quantities returned will be reported to depot commander authorising Base Ord. Depot on arrival.'

Capt.
(P.W.J. Smith.)
for Major, D.A.D.O.S.

5947

(28)

FORM C 2136 (Large) MESSAGE FORM 82 Register No.

| Call | Srl. No. | Priority | Transmission Instructions |
|---|---|---|---|
| | | OP | OPD/IC |

ABOVE THIS LINE FOR SIGNALS USE ONLY.

Office Date Stamp

FROM (A) Originator: G4 BR INCR | Date-Time of Origin: 272150

For Action: 52 BLU.

TO (W) For Information (INFO):

Message Instructions: GR

Originator's No. Q 396 CONFIDENTIAL ⊙

Understood ammo supply truck loaded to 127 FMC ⊙ NO further ammo will be truck loaded to 127 FMC ⊙ Ammo truck loaded in future will be to 53 Rd head ⊙ Quantities returned will be reported to depot commander authorizing Ord Race Depot ammo issue

5946

THIS MESSAGE WILL NOT BE TRANSMITTED

Declassified E.O. 12065 Section 3-402/NNDC No. 7850220

Originator's No.

Q 396 CONFIDENTIAL ⊙

Understood amm supply back loaded to 127 FMC ⊙ NO further amm will be back loaded to 127 FMC ⊙ Amm back loaded in future will be to 53 Rd head ⊙ Quantities returned will be reported to depot commander outranging Ord Base Depot on arrival

5946

THIS RECORD WILL NOT BE [illegible]
OUTSIDE PATENT OF U.S. GOVERNMENT
DEPARTMENT OF [illegible]
GOVERNMENT [illegible] IN OFFICE WITHOUT
BEING PURCHASED.

| This message may be sent AS WRITTEN by any means except WIRELESS | If liable to be intercepted or to fall into enemy hands this message must be sent IN CIPHER. | Originator's Instructions. Degree of Priority. | Time | System | Op. |
|---|---|---|---|---|---|
| Signed | Signed | IMMEDIATE | THI or TOR | | |
| | | | Time Cleared | | |

P.B.B. "A" M 150-95.000 Pads 100 - 44

28 APR 1944

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

(27)

SUBJECT:- Procedure - Prematures and Explosives Accidents

Rear HQ.,
52 British Liaison Unit
CMF.
20 Apr 45

AQ/4/112

To:- HQ Legnano
(Sezione Servizi)

1. The procedure whenever a premature takes place during the firing of an Artillery equipment is as under:-

(a) The occurrence is to be reported by O.C. Unit concerned by immediate signal to:-

DOS, AFHQ. through DADOS 52 BLU
HQ., WTSFF Fifth Army HQ through 52 BLU
DDOS Fifth Army through 52 BLU
Legnano Group
EME., 52 BLU

(b) The signal will state:-

(i) Date of accident
(ii) Location of accident
(iii) Nature of accident
(iv) Type of weapon, calibre and registration number of barrel involved.
(v) Shell fuse primer etc, giving lot numbers and filling details
(vi) Brief statement of circumstances, and any deaths, injuries or damage resulting.

2. As soon as possible after sending the signal a full written report will be forwarded in duplicate to DADOS, 52 BLU. The report will be made on Appendix 'A' to GRO 1060/44. (A supply of copies of which are attached and should be used for the two accidents that have already occurred).

3. DADOS, 52 BLU will if necessary instruct an I.O.O. to visit the unit and His report, in triplicate, will be forwarded

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

(a) The occurrence is to be reported by O.C. Unit concerned by immediate signal to:-

DOS, AFHQ. through DADOS 52 BLU
HQ., MTSFF Fifth Army HQ through 52 BLU
DDOS Fifth Army through 52 BLU
Legnano Group
EME., 52 BLU

(b) The signal will state:- 5945

(i) Date of accident
(ii) Location of accident
(iii) Nature of accident
(iv) Type of weapon, calibre and registration number of barrel involved.
(v) Shell fuse primer etc, giving lot numbers and filling details
(vi) Brief statement of circumstances, and any deaths, injuries or damage resulting.

2. As soon as possible after sending the signal a full written report will be forwarded in duplicate to DADOS, 52 BLU. The report will be made on Appendix 'A' to GRO 1060/44. (A supply of copies of which are attached and should be used for the two accidents that have already occurred).

3. DADOS, 52 BLU will if necessary instruct an I.O.O. to visit the unit and make a special report. His report, in triplicate, will be forwarded through DADOS, 52 BLU channels to DOS, AFHQ. A copy of this report will also be sent to Gruppo HQ.

4. Details of any later action necessary will follow.

Major.
for, DAA&QMG.

JHB/WN.

Copy to:- DADOS, 52 BLU
EME, 52 BLU.

ET APR 1944

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

APPENDIX 'A' to GRO 1060/11

PRO-FORMA FOR ARTILLERY WEAPONS AND OTHER PROJECTILE FIRING WEAPONS, 15 mm AND ABOVE.

1. Equipment: Nature.....,Mark.....
2. Date of accident.....State of Light:Daylight/Halflit/Darkness.
   Time.....
3. Unit.....
4. Place.....
5. Nature of accident: i.e. premature outside muzzle, in bore etc.
   .....
6. Injury to personnel and position of personnel hurt.....
   .....
7. Detailed description of damage to material, giving in case of damaged gun, position of damage from commencement of rifling etc.
   .....
   .....
   .....
8. (a) Mark and Regd Number of Barrel.....
   (b) Total number of Effective Full Charge fired.....
   (c) Date of last examination.....
   (d) Details of last examination and number of EFC's fired since...
   .....
   (e) Was gun fitted with muzzle brake and if so what type.....
   .....
9. Nature of ammunition, Method of Filling design and Lot or Batch No. with all markings available, both stamped and stencilled. (Where no details of the actual ammunition causing the premature are available information (a) (b) and (c) below should refer to the next round to be loaded a stated as such). A proportion of the lot in use at the time should be segregated for examination later if required.
   (a) Projectile. (Batch, Lot or Series number to be given when known).....
   ø Actual projectile
   Next projectile
   If BL shell, was top exploder fitted when shell was received by unit.....
   (b) Number of charge used and type of propellant.....
   ø Actual cartridge

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4. Piece.....

5. Nature of accident: i.e. premature outside muzzle, in bore etc.
.....

6. Injury to personnel and position of personnel hurt.....
.....

7. Detailed description of damage to material, giving in case of damaged gun, position of damage from commencement of rifling etc.
.....
.....
.....

8. (a) Mark and Regd Number of Barrel.....
(b) Total number of Effective Full Charge fired.....
(c) Date of last examination.....
(d) Details of last examination and number of EFC's fired since...
.....
(e) Was gun fitted with muzzle brake and if so what type.....
.....

9. Nature of ammunition, Method of Filling design and Lot or Batch No. with all markings available, both stamped and stencilled. (Where no details of the actual ammunition causing the premature are available information (a) (b) and (c) below should refer to the next round to be loaded a · stated as such). A proportion of the lot in use at the time should be segregated for examination later if required.
(a) Projectile. (Batch, Lot or Series number to be given when known).....
ø Actual projectile
Next projectile
If BL shell, was top exploder fitted when shell was received by unit.....
(b) Number of charge used and type of propellant.....
ø Actual cartridge
Next cartridge
(c) Primer or Tube.....
ø Actual tube or primer
Next tube or primer
(d) Fuse. State number, mark, lot, maker's and filler's particulars and whether fired cap on or off.
ø Actual fuse — ø Cap on — ø Super quick
Next fuse — Cap off — Delay
Is it probable that detail quoted corresponds to detail of round fired?.....
(e) Gaine.....
(f) Tracer.....

10. Any reason to suspect the ammunition previous to firing.....

11. Description of fragments.

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11. Description of fragments.
A thorough search will be made for fragments and remains of components. These should be identified, if possible, as part of the shell or the gun, or a component, and the weight of a few of the larger fragments given, and whether these are jagged or square cut. A sketch or photograph would assist if it is impossible to send fragments, and it should be stated whether they were picked up inside or outside the gun, and if outside at about what distance from the gun. Was there any evidence of unconsumed filling in the fragments?

12. Was there likelihood of any obstruction:-
(a) in the bore, i.e. sand, gravel, rain etc?
(b) in front of the gun i.e. branches of trees etc?

13. Weather report - state whether rain of fine, sand or dust storm, snow, temperature etc, Estimated charge temperature.....
.....

14. How long Was the projectile in the gun awaiting firing, and was the gun hot from recent rapid fire?
What was the rate of fire, and for how many rounds (approx)?....
.....

15. Description of smoke cloud should be given if possible and also it should be noted if the sound of discharge or of burst was different from normal.....

16. Quadrant Elevation.....

17. Was there any difficulty in ramming or evidence that the projectile was not fully rammed home, or evidence that it had slipped back into the chamber before firing.....

18. Was the premature a detonation, partial detonation or explosion. Give reasons i.e. presence of uncomsumed HE etc. If external, distance from muzzle.....

19. (a) Was the time fuse set by hand or Mechanical Fuse Setting?...
.....
(b) If set by Mechanical Fuse Setting was the setting checked?
.....
(c) How many rounds set since Mechanical Fuse setting was checked?
.....

20. Comments and notes of the officer forwarding report.....
.....
.....
.....

ø Delete items NOT applicable.

(26)

GRX/14

SECRET.

Subject: DI Ammunition.

52 British Liaison Unit,
GHQ.
16 Apr 45.

GRX/25

TO: INTERP.

The attached copy of AFHQ letter AFHQ/103 dated 8 Apr 45, under cover of HQ FIFTH Army (Tech Intelligence) letter 202/16/G(SI) is forwarded for information and action where necessary.

V.P. codeglow
Lieutenant-Colonel

GSI

R/Whelock.
Major,
GS.

Copy to: Rear 52 BLU.
SOSA.
JADOS

---

5942.

GRX

SECRET.

Subject: DI Ammunition.

British Liaison Unit, G(S) Branch,
HQ FIFTH Army.

Tele No: Lightning 98

202/16/G(SI)

14 Apr 45.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

[illegible] Mahlock
Major,
GS.

[illegible]

Copy to: Maor 52 EDU.
[illegible]
JADOS

---

5942.

COPY.

SECRET.

Subject: 17 Army/17 Gun.

British Document, G(AD) Branch
HQ FIFTH Army.

Tele No: Lightning 96

G02/15/G(AD)

14 Apr 45.

Main 6 SA Armd Div (4 copies)
52 EDU
G-4 British.

1. Attached is a copy of AFHQ letter FAN/403 of 8 Apr, for info and action as necessary.

2. 24 Sherman 17 pr cpts are held by US Units in FIFTH Army. G-4 Brit FIFTH Army are requested to demand 6 barrels specifically for the use of these units.

3. The present reserve holdings of barrels for 17 pr arty cpts are considered adequate.

Signed K.GRAHAM Col.
Brigadier
[illegible] of Staff.

17 APR 1945

Declassified E.O. 12065 Section 3-402/NNDG No. 785020

SUBJECT : Publications.

British Increment (Ordnance Branch),
Rear HQ Fifth Army, C&F.

Phone : LIGHTNING REAR 175.

Ref : 54/OS/4/528.

Date : 11 Apr

To: DADOS 52 BLU
.....
.....

Herewith the undermentioned Technical Publications, for which kindly acknowledge receipt by returning the attached slip.

TAL No 45 - 1 Copy

Field.

H. MARTIN, Capt,
for Lt-Col, ADOS.

.....

To: ADOS British Increment, Rear HQ Fifth Army, C&F.

Programme No. 205

5941

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

...already acknowledge receipt by returning the attached slip.

TAL No 45 - 1 Copy

Please treat this document as Strictly Confidential

1st Apr

5941

Field.

H. MARTIN, Capt,
for Lt-Col, ADJ.

.....

To: ADOS British Increment, Rear HQ Fifth Army, C.M.F.

Proforma No 205

Receipt of publications as detailed in your 5A/OS/M/528 of ..... is acknowledged.

| No of copies of next publication required |
|---|
| ..... |

Signed .....

Unit or Formation .....

.....

Date .....

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

RESTRICTED NOT TO FALL INTO THE HANDS OF THE ENEMY

The information given in this document is not to be communicated either directly or indirectly to the Press or to any person not authorised to receive it.

T.A.Ls. are not a personal issue except to I.O.O.s and A.Es. They must not be taken away when other individuals leave a station or depot.

## TECHNICAL AMMUNITION LETTER NO.45.

The Technical Ammunition Letter is published when necessary usually once or twice a month. It is the means of quickly conveying technical information to Ordnance Ammunition personnel and is more convenient than separate War Office letters. A proportion of the contents has only a temporary relevance information of permanent value will be incorporated in subsequent issues of R.A.O.S. pamphlets.

## PART I - ITEMS REQUIRING ACTION.

### 974. CANCELLATIONS.

In pursuance of the policy stated in Technical Ammunition Letter No. 39 Item 845 the following Items are cancelled under sub-para (c).

| T.A.L. | Item | Reproduced in |
|---|---|---|
| 2 | 19 | T.A.L.45, Item 976 and 980 |
| 7 | 107 | " Item 980 |
| 32 | 682 | " Item 977 and 980 |
| 37 | 788 | " Item 980 |

### 975. SHELL B.L. 5.5-INCH - ABSENCE OF LUTING ON PLUGS.

Depots receiving consignments of the above shell should examine them carefully for insufficiency or absence of luting on the threads of plugs. Luting must be applied to any found deficient, to avoid rusting and setting fast of plugs in fuze holes.

### 976. CARTRIDGES B.L. 5.5-INCH / PACKAGES B.L. 5.5-INCH - EX AMERICA - ABSENCE OF WEIGHT MARKINGS.

Early production of this nature of ammunition was received from America without weight marking on either the package or the charges.

In view of heavy repair programmes it has been agreed that these cartridges may be issued without rectification of cartridges or packages provided both are marked with the charge number and the propellant code letter.

Weight markings should appear on cartridges and packages of North American production from 1st August 1942.

Declassified E.O. 12065 Section 3-402/NNDG No. 785020

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Weight markings should appear on cartridges and packages of North American production from 1st August 1942.

It should be noted that as a war time concession the filler's monogram and date are not required. 5 39 40

977. SHELL B.L. H.E. 5.5-INCH 80-LB / CARTRIDGES B.L. 5.5-INCH } - D.A.S. REPORT

(a) General Shell B.L.5.5-inch 80-lb and cartridges for these shell will be reported separately on D.A.S. These can be identified by the following markings:-

| | |
|---|---|
| Shell | Painted black below the driving band |
| Cartridge | Black band round cartridge and the words "FOR 80 LB SHELL ONLY" |
| Package for cartridge | As much of a horizontal black band round it centrally as the other markings on the box will permit. |
| Also stencilled | "FOR 80 LB. SHELL ONLY". |

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(b) Shell - Marks 1 and 2

(i) All Shell B.L. H.E. 5.5-inch (80 lb.) Marks 1 and 2 are for restricted issue only. i.e. for use at home or in temperate climates.

(ii) Some of these shell will be found with a ring of red crosses (unrestricted issue) and others marked with a red filling ring (restricted). The restriction to home use and temperate climate applies equally to all Marks 1 and 2 shell, irrespective of the markings.

The above applies also to shell of Canadian manufacture.

(iii) Some of the Mk.2 shell which are correctly stencilled as such, may be found to carry the empty shell stamping "MK.1".

(iv) Mks 1 and 2 shell will be grouped together on D.A.S. and designated "Shell B.L. H.E. 5.5-inch (80 lb.) Mks.1 and 2 - HOME".

(c) Shell - Mark 3. Chorley filled shell which bear the red filling ring will all be grouped on D.A.S. with Mks.1 and 2 shell, under the heading "Shell, B.L. H.E. 5.5-inch (80-lb) Mks.1 and 2- HOME". Inconsistencies between the Mark as stamped on the metal and that stencilled on the shell which are known to exist will be ignored.

Mark 3 shell which bear the ring of red crosses will be shown on D.A.S. as "Shell B.L. H.E. 5.5-inch (80 lb.) Mk.3 - OVERSEAS".

PART II - ITEMS PUBLISHED FOR INFORMATION

978. SHELL B.L. H.E. 5.5-INCH - PLUGS.

During the current programme of fitting shell with top exploders and No. 13 plugs it has been necessary to use a proportion of cast iron plugs. Users have been warned that shell so plugged exist and that these must not be fired plugged but this fact should be borne in mind by I.O.Cs. who may be called upon to investigate accidents with these equipments.

979. CARTRIDGES B.L. 5.5-INCH FOR 80-LB SHELL - MARKINGS.

A certain number of the above cartridges have been issued from factories on which the black band does not completely encircle the cartridge bag. This has no special significance and will NOT be reported as a factory fault. No rectification is considered necessary.

980. SHELL B.L. 5.5-INCH
CARTRIDGES B.L. 5.5-INCH

Details of B.L. 5.5-inch ammunition are shown in the following tables:-

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(iv) Mks 1 and 2 shell will be grouped [illegible] designated "Shell B.L. H.E. 5.5-inch (80 lb.) Mks.1 and 2 - HOME".

(c) Shell - Mark 3. Chorley filled shell which bear the red filling ring will all be grouped on D.A.S. with Mks.1 and 2 shell, under the heading "Shell, B.L. H.E. 5.5-inch (80-lb) Mks.1 and 2- HOME". Inconsistencies between the Mark as stamped on the metal and that stencilled on the shell which are known to exist will be ignored.

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980. SHELL B.L. 5.5-INCH
CARTRIDGES B.L. 5.5-INCH

Details of B.L. 5.5-inch ammunition are shown in the following tables:-

Table 1 - Shell B.L. H.E. 5.5-inch - Method of Filling.
Table 2 - Shell B.L. Chemical 5.5-inch - Method of Filling
Table 3 - Shell B.L. Smoke and Coloured Flare 5.5-inch - Method of Filling
Table 4 - Shell B.L. H.E. 5.5-inch 100-lb - Dimensions and Weights.
Table 5 - Shell B.L. H.E. 5.5-inch 80-lb - Dimensions and Weights.
Table 6 - Shell B.L. Chemical and Smoke 5.5-inch - Dimensions and Weights
Table 7 - Cartridges B.L. 5.5-inch - For 100-lb. Shell.
Table 8 - Cartridges B.L. 5.5-inch - For 80-lb. Shell in Mk.3 Gun.
Table 9 - Ammunition B.L. 5.5-inch - Blank and Drill.
Table 10 - Ammunition B.L. 5.5-inch - Paper Shot.
Table 11 - Ammunition B.L. 5.5-inch - Details of Components.
Table 12A - Cartridges B.L. 5.5-inch - Packages for Cartridges for 100-lb Shell
Table 12B - Cartridges B.L. 5.5-inch - Jungle Packages for Cartridges for 100-lb. Shell.
Table 13 - Cartridges B.L. 5.5-inch - Packages for Cartridges for 80-lb Shell.

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Table 14 - Cartridges B.L. 5.5-inch - American Packages.
Table 15 - Cartridges. Blank - 5.5-inch Packages.
Table 16 - Ammunition B.L. 5.5-inch - Storage Classifications.
Table 17 - Storage and Stacking in I.C. Shelters.

Appendix A.- Instructions for Fitting "B" Exploders to Shell B.L. H.E. 5.5-inch.

Fig. 1 - Cartridge B.L. 5.5-inch 9-lb 13-oz Cordite NQ/S 164-048 Mk.1 Foil.
Fig. 2 - Cartridge B.L. 5.5-inch 4-lb 12-oz Cordite NQ 050 Mk.1
Fig. 3 - Cartridge B.L. 5.5-inch 12-lb 9-oz Cordite N/S 164-048 Mk.1 Foil.
Fig. 4 - Box C 224 containing Cartridges B.L. 5.5-inch
Fig. 5 - Box Steel containing Cartridges B.L. 5.5-inch for 80-lb Shell

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5939

W.S. 9
Metropole Buildings.
VIC. 6622, Ex. 649
5th January, 1945
C.
Republished by S.I.O.O.
February, 1945.

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

TABLE 1. SHELL B.L. H.E. 5.5-INCH - METHOD OF FILLING

| METHOD OF FILLING DESIGN NO. | BURSTING CHARGE | CAVITY DEPTH | SMOKE AGENT | FUZE | PLUG |
|---|---|---|---|---|---|
| DD/L/10226 | Amatol 50/50 or 70/30 | 6.3 | No | No.119 or No.231 | Fuze Hole 2-inch No. 3 |
| DD/L/10226A | Amatol 50/50 or 70/30 | 6.3 | 50/50- Smoke box set in filling<br>70/30- Smoke mixture stemmed in bottom cavity | -do- | -do- |
| DD/L/10911 | Amatol 50/50<br>70/30<br>30/20<br>or for Lidia<br>60/40 | 9.2 | 1.$\frac{1}{2}$ or 1.$\frac{1}{4}$ ounce Smoke box | -do- | -do- |
| DD/L/16879 (Code Marking L.1) | Amatol 50/50 | 9.2 | 1.$\frac{1}{2}$ or 1.$\frac{1}{4}$ ounce Smoke box | -do- | Fuze Hole 2-inch No. 13 |
| DD/L/16879 (Code Marking L.1) | Amatol 50/50 | 9.2 | 1.$\frac{1}{2}$ or 1.$\frac{1}{4}$ ounce Smoke box | No.117<br>119<br>213<br>or 222 | -do- |
| DD/L/17865 (Code Marking L.1/1 ) | T.N.T. | 9.2 | 1.$\frac{1}{4}$ oz. or 2.$\frac{1}{4}$ oz. Smoke box | No.119 or No.231 | Fuze Hole 2-inch No.13 |

NOTES:
(a) All shell are fitted with an exploder container.
(b) All shell are fitted with a B/A exploder.
(c) All shell except DD/L/17865 have a T.N.T. surround.
(d) None of the shell has a tracer
(e) A filled series consists of 2,600 shell.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

SHELL B.L. H.E. 5.5-INCH - METHOD OF FILLING

| CAVITY DEPTH | SMOKE AGENT | FUZE | PLUG | REMARKS |
|---|---|---|---|---|
| 6.3 | No | No.119 or No.231 | Fuze Hole 2-inch No. 3 | Obsolescent 100-lb. Mk.1D shell |
| 6.3 | 50/50- Smoke box set in filling 70/30- Smoke mixture stemmed in bottom cavity | -do- | -do- | Obsolescent |
| 9.2 | 1.½ or 1.¼ ounce Smoke box | -do- | -do- | Obsolescent 100-lb. Mk.1D and 3D shell |
| 9.2 | 1.½ or 1.¼ ounce Smoke box | -do- | Fuze Hole 2-inch No. 13 | 100-lb. Mk.1D and Mk.3D shell- issued with top exploder in position. |
| 9.2 | 1.½ or 1.¼ ounce Smoke box | No.117 119 213 or 222 | -do- | 80-lb.Mk.1D, Mk.2D and Mk.3D shell- issued with top exploder in position. For use in temperate climates only for Mk.2D shell |
| 9.2 | 1.¼ oz. or 2.¼ oz. Smoke box | No.119 or No.231 | Fuze Hole 2-inch No.13 | 100-lb. Mk.1D and 3D shell- issued with top exploder in position. |

are fitted with an exploder container.
are fitted with a B/A exploder.
except DD/L/17865 have a T.N.T. surround.
e shell has a tracer
eries consists of 2,600 shell.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

TABLE 2

SHELL B.L. CHEMICAL 5.5-INCH - METHOD OF FILLING.

| PROJECTILE | M. OF F DESIGN NUMBER | BURSTING CHARGE | BURSTER CONTAINER | CHARGING | |
|---|---|---|---|---|---|
| Shell B.L. Chemical B.E. S/L Mk.1D. | DE/L/10593<br>DE/L/10593/1 | Burster, Powder, G.12 1. $\frac{3}{4}$ oz. | Unnumbered | Y.2, B.4<br>Y.18 or Y.20 | Obsolescent. Th of empty shell |
| -do- | -do- | Burster, Powder, G.40 1. $\frac{3}{4}$ oz. | -do- | Y.4, Y.6<br>Y.14 or Y 14A | |
| Shell B.L. Chemical B.E. S/L Mk.2D | -do- | Burster, Powder, G.12 1 $\frac{3}{4}$ oz. | No. 23 | Y.2, B.4<br>Y.18 or Y.20 | |
| -do- | -do- | Burster, Powder, G.40 1 $\frac{3}{4}$ oz. | No. 23 | Y.4, Y 6<br>Y.14 or Y 14A | |
| Shell B.L. Chemical B.E. S/L Mk.3E | -do- | Burster, Powder, G.12 1 $\frac{3}{4}$ oz. | | Y.2, B.4<br>Y.18 or Y.20 | |
| Shell B.L. Chemical B.E. S/L Mk.3D | -do- | Burster, Powder G.40 1 $\frac{3}{4}$ oz. | | Y.4 Y.6<br>Y.14 or Y.14A | |
| Shell B.L. Chemical B.E. D.E. Mk. 4B. | -do- | Burster, Powder, G 12 1 $\frac{3}{4}$ oz. | No. 19 | Y.2, B.4<br>Y.18 or Y.20 | |
| -do- | -do- | Burster, Powder G.40 1 $\frac{3}{4}$ oz. | No. 19 | Y.4 Y.6<br>Y.14 or Y.14A. | |

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NOTES:
(a) All shell are fitted with two Boxes, Smoke, 1. $\frac{3}{4}$ oz.
(b) Fuze No. 221 is used with all the above shell.
(c) All shell are fitted with Plug, Fuze-Hole, 2-inch No.1, Mk.4F.
(d) Current production of the above will be fitted with Burster, Powder, G.

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

SHELL B.L. CHEMICAL 5.5-INCH - METHOD OF FILLING.

| | BURSTING CHARGE | BURSTER CONTAINER | CHARGING | REMARKS |
|---|---|---|---|---|
| 3<br>3/1 | Burster, Powder, G.12<br>1. $\frac{3}{4}$ oz. | Unnumbered | Y.2, B.4<br>Y.18 or Y.20 | Obsolescent. The Burster Container forms part of empty shell design DD/L/9973A. |
| | Burster, Powder, G.40<br>1.$\frac{3}{4}$ oz. | -do- | Y.4, Y.6<br>Y.14 or Y 14A | -do- |
| | Burster, Powder, G.12<br>1 $\frac{3}{4}$ oz. | No. 23 | Y.2, B.4<br>Y.18 or Y.20 | |
| | Burster, Powder, G.40<br>1 $\frac{3}{4}$ oz. | No. 23 | Y.4, Y 6<br>Y.14 or Y 14A | |
| | Burster, Powder, G.12<br>1 $\frac{3}{4}$ oz. | | Y.2, B.4<br>Y.18 or Y.20 | |
| | Burster, Powder G.40<br>1 $\frac{3}{4}$ oz. | | Y.4 Y.6<br>Y.14 or Y.14A | |
| | Burster, Powder, G 12<br>1 $\frac{3}{4}$ oz. | No. 19 | Y.2, B.4<br>Y.18 or Y.20 | |
| | Burster, Powder G.40<br>1 $\frac{3}{4}$ oz. | No. 19 | Y.4 Y.6<br>Y.14 or Y.14A. | |

ll shell are fitted with two Boxes, Smoke, 1.$\frac{3}{4}$ oz.
uze No. 221 is used with all the above shell.
ll shell are fitted with Plug, Fuze-Hole, 2-inch No.1, Mk.4F.
urrent production of the above will be fitted with Burster, Powder, G.40.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

TABLE 3.

SHELL B.L. SMOKE AND COLOURED FLARE 5.5-INCH - METHOD OF FILLING

| PROJECTILE | M OF P DESIGN NUMBER | BURSTING CHARGE | CONTAINERS | FILLING | FUZE |
|---|---|---|---|---|---|
| Shell B.L. Smoke B.E. Mk 1B | DD/L/13726 | Burster Powder 2- oz. | 6 Containers Smoke No.6 Mk 1 | 2644 (M) | No. 221 |
| Shell B.L. Coloured Flare B.E. 5.5-inch | DD/L/20151 | Burster Powder 2- oz. G 12 | 4 Containers Coloured Flare DD/L/20152 | Red SR.327 Green SR.427 | No. 221 |



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SHELL B.L. SMOKE AND COLOURED FLARE 5.5-INCH - METHOD OF FILLING

| F ICN ER | BURSTING CHARGE | CONTAINERS | FILLING | FUZE | PLUG | REMARKS |
|---|---|---|---|---|---|---|
| 3726 | Burster Powder 2- oz. | 6 Containers Smoke No.6 Mk 1 | 2644 (M) | No. 221 | Fuze-Hole 2-in No 1 Mk.2 or 3 | |
| 20151 | Burster Powder 2- oz. G 12 | 4 Containers Coloured Flare DD/L/20152 | Red SR.327 Green SR.427 | No. 221 | -do- | Experimental design only |

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TABLE 4

SHELL B.L. 5.5-INCH 100-LB - DIMENSIONS AND WEIGHTS.

| PROJECTILE | LENGTH (INCHES) | DIAMETER (INCHES) BODY MIX | DIAMETER (INCHES) OVER DRIVING BAND | DIAMETER (INCHES) AT BASE | WEIGHT OF BURSTING CHARGE LB. OZ. DR. | |
|---|---|---|---|---|---|---|
| Shell B.L. H.E. S/L 5.5-inch Mk.1D. | 26 11 | 5 49 | 5.76 | 4.645 | 10 7 0 including exploders | The shell is made c parallel except at and has a three in it. The body of t tapered off to the rdius of 12 calib to the 2-inch fuze ary be fitted with internally to the band is fitted in waved ribs formed ary be knurled. |
| Shell B.L. H.E. S/L 5.5-inch Mk.2D. | 25 71 | 5 49 | 5.74 | 4.645 | 7 9 10 including exploders | The shell is simil in being made of different drivin |
| Shell B.L. H.E. S/L Mk.3D. | 26 13 | 5 49 | 5 74 | 4.465 | Not yet available | Similar to Mk.1D, with a different |

NOTES. (a) The unit of weight in each case is one lb.
(b) The standard weight filled and fuzed in all cases is 100 lbs.
(c) A filled series of Shell B.L. H.E. 5.5-inch consists of 2,000 s

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SHELL D.L. 5.5-INCH 100-LB - DIMENSIONS AND WEIGHTS.

| DIAMETER (INCHES) | | | WEIGHT OF BURSTING CHARGE | REMARKS |
|---|---|---|---|---|
| BODY MAX | OVER DRIVING BAND | AT BASE | LB. OZ. DR. | |
| 5 49 | 5.76 | 4.645 | 10 7 0 including exploders | The shell is made of forged steel with a cavity which is parallel except at the head and base. The base is solid and has a three inch plain or screwed base riveted into it. The body of the shell below the driving band is tapered off to the base. The head of the shell has a radius of 12 calibres and is bored out and screwthreaded to the 2-inch fuze-hole gauge. Alternatively, the head may be fitted with a mild steel bush screwthreaded internally to the 2-inch F.H. gauge. A copper driving band is fitted into an undercut groove having five waved ribs formed into it, or alternatively the groove may be knurled. |
| 5 49 | 5.74 | 4.645 | 7 9 10 including exploders | The shell is similar to the Mk.1D, differing principally in being made of cast iron and being fitted with a different driving band (double driving band) |
| 5 49 | 5 74 | 4.465 | Not yet available | Similar to Mk.1D, differing principally in being fitted with a different driving band. |

(a) The unit of weight in each case is one lb.
(b) The standard weight filled and fuzed in all cases is 100 lbs.
(c) A filled series of Shell D.L. H.E. 5.5-inch consists of 2,000 shell.

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TABLE 5

SHELL B.L. 5 5-INCH 80-LB. - DIMENSIONS AND WEIGHTS

| CALIBRE | LENGTH (INCHES) | DIAMETER (INCHES) | | | WEIGHT OF BURSTING CHARGE | | | UNIT OF WEIGHT | STANDARD WEIGHT FILLED AND FUZED |
|---|---|---|---|---|---|---|---|---|---|
| | | BODY MAX. | OVER DRIVING BAND | AT BASE | LB. | OZ. | DR. | | |
| Shell B.L. H.E. S/L 5 5-inch 80-lb Mk 1D | 25 66 | 5 493 | 5 74 | 4 65 | 12 | 10 | 14 | - | - |
| Shell B.L. H.E. S/L 5 5-inch 80-lb Mk.2D | 25 66 | 5 493 | 5 74 | 4 65 | | | | 1 | 82 |
| Shell B.L. H.E. S/L 5 5-inch 80-lb Mk.3D | 25 66 | 5 493 | 5 74 | 4 65 | 12 | 10 | 14 | 1 | 82 |

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SHELL B.L. 5 5-INCH 80-LB. - DIMENSIONS AND WEIGHTS

| DIAMETER (INCHES) | | | WEIGHT OF BURSTING CHARGE | | | UNIT OF WEIGHT | STANDARD WEIGHT FILLED AND FUZED | REMARKS |
|---|---|---|---|---|---|---|---|---|
| BODY MAX. | OVER DRIVING BAND | AT BASE | LB. | OZ. | DR. | | | |
| 5 493 | 5 74 | 4 65 | 12 | 10 | 14 | - | - | A limited number manufactured. Very few issued to the Service. |
| 5 493 | 5 74 | 4 65 | | | | 1 | 82 | The shell is made of forged steel with a cavity which tapers towards the head and base. The base is solid and has a plain or screwed base plate riveted into it. The body of the shell below the driving band is tapered off to the base. The head of the shell is bored out and screw-threaded to the 2-inch F.H. gauge. Alternatively the head may be fitted with a mild steel bush screwthreaded to the 2-inch F.H. gauge. |
| 5 493 | 5 74 | 4 65 | 12 | 10 | 14 | 1 | 82 | Identical with Mk. 1D but made of 27-ton steel. |

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TABLE 6.

SHELL B.L. CHEMICAL AND SMOKE 5.5-INCH - DIMENSIONS AND

| PROJECTILE (ETY) | LENGTH UNFUZED (INCHES) | DIAMETER (INCHES) BODY (MAX.) | OVER DRIVING BAND | AT BASE | STANDARD WEIGHT FILLED AND FUZED LB | OZ. | DR. |
|---|---|---|---|---|---|---|---|
| Shell B L Chemical B.E. S/L Mk 1D (DD/L/9973A) | 25 96 | 5 49 | 5 76 | 4 645 | 90 | 8 | 0 |
| Shell B L Chemical B.E. S/L Mk. 2D (DD/L/10805) | " | " | " | " | 98 | 0 | 0 |
| Shell B.L. Chemical B.E. S/L Mk. 3B (DD/L/9973B) | | | | | 93 | 8 | 0 |
| Shell B.L. Chemical B.E. Mk. 4B | 25 96 | 5 49 | 5 76 | 5 49 | 93 | 8 | 0 |
| Shell B.L. Smoke B.E. Mk. 1B | | | | | 101 | 8 | 0 |

NOTES: (a) The Unit of weight in each case is one lb.

(b) All shell are fitted with Plug. C H No. 6 Mark 1

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SHELL B.L. CHEMICAL AND SMOKE 5 5-INCH - DIMENSIONS AND WEIGHTS

| DIAMETER (INCHES) | | | STANDARD WEIGHT FILLED AND FUZED | | | REMARKS |
|---|---|---|---|---|---|---|
| BODY (MAX.) | OVER DRIVING BAND | AT BASE | LB | OZ. | DR. | |
| 5 49 | 5 76 | 4 645 | 90 | 8 | 0 | Obsolescent |
| " | " | " | 98 | 0 | 0 | Converted H.E. shell Mk. 1D |
| | | | 93 | 8 | 0 | |
| 5 49 | 5 76 | 5 49 | 93 | 8 | 0 | |
| | | | 101 | 8 | 0 | |

The Unit of weight in each case is one lb.

All shell are fitted with Plug. C H No. 6 Mark 1

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TABLE 7.

CARTRIDGES B.L. 5.5-INCH - FOR 100 LB SHELL

| CHARGE | MARK | WEIGHT OF PROPELLANT LB | OZ. | DR. | ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB. | OZ. | DR. | DIMEN (IN LENGTH |
|---|---|---|---|---|---|---|---|---|---|---|
| Chargo 2 W. 057 or W.M. 061 | 1 | 4 | 4 | 0 | Charge 1 and one increment tacked together. Igniter 5.5-in "J" 2-oz. R.F.G.2 or G.12 | Charge 1 | 2 | 10 | 8 | 15.25 |
| | | | | | | Increment | 1 | 9 | 8 | |
| | | | | | | Total | 4 | 4 | 0 | |
| Charge 2 N H 025 | 1 | 5 | 0 | 0 | Charge 1 and one increment tacked together. Igniter 1-oz. of G 12 | Charge 1 | 3 | 1 | 0 | 15.25 |
| | | | | | | Increment | 1 | 15 | 0 | |
| | | | | | | Total | 5 | 0 | 0 | |
| Charge 2 S C 048 | 1 | 4 | 8 | 0 | Charge 1 and one increment tacked together. Igniter B L. 5 5-inch "D" 1-oz | Charge 1 | 2 | 14 | 8 | 15.2 |
| | | | | | | Increment | 1 | 9 | 8 | |
| | | | | | | Total | 4 | 8 | 0 | |
| Charge 2 F. N H 023 | 1 | 5 | 5 | 0 | Charge 1 and one increment tacked together. Igniter 1-oz. of G. 12 | Charge 1 | 3 | 5 | 0 | 15.25 |
| | | | | | | Increment | 2 | 0 | 0 | |
| | | | | | | Total | 5 | 5 | 0 | |
| Charge 4 W.104 or W.109 | 1 Foil | 9 | 2 | 0 | Charge 3 and one increment tied together | Charge 3 | 6 | 10 | 8 | 21.75 |
| | | | | | | Increment | 2 | 7 | 8 | |
| | | | | | | Total | 9 | 2 | 0 | |

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CARTRIDGES B.L. 5.5-INCH - FOR 100 LB SHELL

| T OF LLANT OZ. DR. | ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB. | OZ. | DR. | DIMENSIONS (INCHES) LENGTH | DIAMETER | REMARKS |
|---|---|---|---|---|---|---|---|---|
| 4 0 | Charge 1 and one increment tacked together. Igniter 5.5-in "J" 2-oz. R.F.G.2 or G.12 | Charge 1 | 2 | 10 | 8 | 15.25 | 3.75 | In addition to the usual marking the cartridge when assembled is marked "Charge Two". The larger portion bearing the word "Charge", the smaller portion the word "Two". The stalk (Charge 1) is marked "One", this being hidden when the charges are assembled |
| | | Increment | 1 | 9 | 8 | | | |
| | | Total | 4 | 4 | 0 | | | |
| 0 0 | Charge 1 and one increment tacked together. Igniter 1-oz. of G 12 | Charge 1 | 3 | 1 | 0 | 15.25 | 4.0 | -do- |
| | | Increment | 1 | 15 | 0 | | | |
| | | Total | 5 | 0 | 0 | | | |
| 8 0 | Charge 1 and one increment tacked together. Igniter B L. 5 5-inch "D" 1-oz | Charge 1 | 2 | 14 | 8 | 15.2 | 3.9 | -do- |
| | | Increment | 1 | 9 | 8 | | | |
| | | Total | 4 | 8 | 0 | | | |
| 5 0 | Charge 1 and one increment tacked together. Igniter 1-oz. of G. 12 | Charge 1 | 3 | 5 | 0 | 15.25 | 4.25 | -do- |
| | | Increment | 2 | 0 | 0 | | | |
| | | Total | 5 | 5 | 0 | | | |
| 2 0 | Charge 3 and one increment tied together | Charge 3 | 6 | 10 | 8 | 21.75 | 3.8 | In addition to usual markings the cartridge when assembled is marked "Charge Four". Charge 3 bearing the word "Charge" and the increment "Four". The base of Charge 3 is marked "Three" and the increment "Not to be fired seperately", these base markings being hidden when the two portions are assembled. |
| | | Increment | 2 | 7 | 8 | | | |
| | | Total | 9 | 2 | 0 | | | |

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CARTRIDGES B.L. 5.5-INCH - FOR 100 LB SHELL

| ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB. | OZ. | DR. | DIMENSIONS (INCHES) LENGTH | DIAMETER | REMARKS |
|---|---|---|---|---|---|---|---|
| Charge 1 and one increment tacked together. Igniter .5-in "J" 2-oz. .F.G.2 or G.12 | Charge 1 | 2 | 10 | 8 | 15.25 | 3.75 | In addition to the usual marking the cartridge when assembled is marked "Charge Two". The larger portion bearing the word "Charge", the smaller portion the word "Two". The stalk (Charge 1) is marked "One", this being hidden when the charges are assembled |
| | Increment | 1 | 9 | 8 | | | |
| | Total | 4 | 4 | 0 | | | |
| Charge 1 and one increment tacked together. Igniter 1-oz. of G 12 | Charge 1 | 3 | 1 | 0 | 15.25 | 4.0 | -do- |
| | Increment | 1 | 15 | 0 | | | |
| | Total | 5 | 0 | 0 | | | |
| Charge 1 and one increment tacked together. Igniter L. 5 5-inch D" 1-oz | Charge 1 | 2 | 14 | 8 | 15.2 | 3.9 | -do- |
| | Increment | 1 | 9 | 8 | | | |
| | Total | 4 | 8 | 0 | | | |
| Charge 1 and one increment tacked together. Igniter 1-oz. of G. 12 | Charge 1 | 3 | 5 | 0 | 15.25 | 4.25 | -do- |
| | Increment | 2 | 0 | 0 | | | |
| | Total | 5 | 5 | 0 | | | |
| Charge 3 and one increment tied together | Charge 3 | 6 | 10 | 8 | 21.75 | 3.8 | In addition to usual markings the cartridge when assembled is marked "Charge Four". Charge 3 bearing the word "Charge" and the increment "Four". The base of Charge 3 is marked "Three" and the increment "Not to be fired separately", these base markings being hidden when the two portions are assembled. |
| | Increment | 2 | 7 | 8 | | | |
| | Total | 9 | 2 | 0 | | | |

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TABLE 7 (CONTINUED)

| CHARGE | MARK | WEIGHT OF PROPELLANT LB. OZ. DR. | ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB | OZ. | DR. | DIMENSIONS (INCHES) LENGTH | DI |
|---|---|---|---|---|---|---|---|---|---|
| Charge 4 NJ/S 164-48 | 1 Foil | 9 13 0 | Charge 3 with one 1-oz G. 12 igniter at each end and one increment tied together | Charge 3 | 7 | 3 | 0 | 22.4 | |
| | | | | Increment | 2 | 10 | 0 | | |
| | | | | Total | 9 | 13 | 0 | | |
| Charge 4 N.H. 047 | 1 Foil | 10 14 8 | Charge 3 and one increment tied together One 1 1/4-oz G. 12 centrally positioned igniter at one end and one 3/4-oz. G. 12 igniter at the opposite end. | Charge 3 | 7 | 13 | 0 | 21.5 | |
| | | | | Increment | 3 | 1 | 8 | | |
| | | | | Total | 10 | 14 | 8 | | |
| Charge 4 S.C. 103 | 1 Foil | 9 8 0 | Charge 3 and one increment tied together. Igniter 5.5-in. "D" 1-oz. | Charge 3 | 7 | 1 | 0 | 21.4 | |
| | | | | Increment | 2 | 7 | 0 | | |
| | | | | Total | 9 | 8 | 0 | | |

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| ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB | OZ. | DR. | DIMENSIONS (INCHES) LENGTH | DIAMETER | REMARKS |
|---|---|---|---|---|---|---|---|
| e 3 with one G. 12 igniter ch end and one ment tied ther | Charge 3 | 7 | 3 | 0 | 22.4 | 4.4 | In addition to usual markings the cartridge, when assembled is marked "Charge Four" Charge 3 bearing the word "Charge" and the increment "Four". The base of Charge 3 is marked "Three" and the increment "Not to be fired separately" these base markings being hidden when the two portions are assembled. Current production is being fitted with 2-oz igniters. |
| | Increment | 2 | 10 | 0 | | | |
| | Total | 9 | 13 | 0 | | | |
| ge 3 and one ement tied ther One 4-oz G. 12 rally tioned igniter ne end and one -oz. G. 12 iter at the posite end. | Charge 3 | 7 | 13 | 0 | 21.5 | 5 0 | Marking as for "Charge 4 W. 104 or W.M. 109" |
| | Increment | 3 | 1 | 8 | | | |
| | Total | 10 | 14 | 8 | | | |
| rge 3 and one rement tied ther. Igniter -in. "D" 1-oz. | Charge 3 | 7 | 1 | 0 | 21.4 | 4.0 | -do- |
| | Increment | 2 | 7 | 0 | | | |
| | Total | 9 | 8 | 0 | | | |

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TABLE 8 — CARTRIDGES B.L. 5.5-INCH - FOR 80-LB. SHELL IN LK. 3 GUN.

| CHARGE | MARK | WEIGHT OF PROPELLANT LB. OZ. DR. | ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS LB. OZ. DR. | | | DIMENSIONS (INCHES) LENGTH |
|---|---|---|---|---|---|---|---|
| Full Charge W.M. 130 | 1 Foil | 11 8 0 | One cylindrical bag. Igniter 5.5-inch "H". | Full Charge | 11 | 8 0 | 18.5 |
| Full Charge N/S 164-048 | 1 Foil | 12 9 0 | One cylindrical bag with Igniter "E" 2-oz. at one end and one 2-oz. G. 12 igniter at the opposite end. | Full Charge | 12 | 9 0 | 19.0 |

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DGES B.L. 5 5-INCH - FOR 80-LB. SHELL IN MK. 3 GUN.

| ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS LB. | OZ. | DR. | DIMENSIONS (INCHES) LENGTH | DIAMETER | REMARKS |
|---|---|---|---|---|---|---|
| One cylindrical bag. Igniter 5.5-inch "F". | Full Charge | 11 | 8 | 0 | 18 5 | 4.7 | In addition to the usual marking the cartridges are marked "For 80-lb shell only" immediately above a black band round the cartridge bag. |
| One cylindrical bag with Igniter "F" 2-oz. at one end and one 2-oz. G. 12 igniter at the opposite end. | Full Charge | 12 | 9 | 0 | 19.0 | 5.1 | -do- |



C.C.C.

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TABLE 9. AMMUNITION B L 5 5-INCH - BLANK AND DRILL.

| TYPE | ARRANGEMENT WEIGHT AND DIMENSIONS | DETAILS | |
|---|---|---|---|
| Cartridge B L Blank 5 5-inch 3-lb Blank L G G 12 or R.F.G 2 Mk. 1 | Dimensions:-<br>Length: 6.75 inches<br>Diameter: 4.3 inches | The full nomenclature for this cartridge is as follows:-<br>Cartridge B L. Blank 60-pr , 5.5-inch & 4.5-in Gun 3-lb Blank L G G 12 or R.F.G.2Mk 1 | The nature with the d on the sid |
| Cartridge Drill B L. 5 5-inch 4-lb 4-oz Mk 1 representing Charge 2 | Consists of:-<br>lb oz dr.<br>Charge 1 2 10 8<br>Increment 1 9 0<br>Total 4 4 0<br>Charge 1 and the increment tacked together with dummy igniter<br>Dimensions:-<br>Length: 15.25 inches<br>Diameter: 3.75 inches | Charge 1 consists of a rolled paper cylinder closed at one end by a dummy igniter and at the opposite end by a wooden plug the cylinder being filled either sawdust and lead or iron scrap. The whole being enclosed in a cotton cloth bag. The increment is similar to Charge 1 but filled with 7 1/4-inch lengths of one-inch rope weighted with lead sticks | In additio is marked igniter an the assemb bearing th the word " rrked "Ch portions a |
| Cartridge, Drill B.L. 5.5-inch 9-lb 2-oz. representing Charge 4 | Consists of:-<br>lb oz dr.<br>Charge 3 6 10 8<br>Increment 2 7 8<br>Total 9 2 0<br>Charge 3 and one increment tied together<br>Dimensions:- | The make-up of this cartridge is similar to the above, differing principally in dimensions and shape. | In additio is marked igniter an "Four" are cartridge, "Charge" The base o and that o separately when the t |

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CLASSIFICATION B. L. 5.5-INCH - BLANK AND DRILL.

| DETAILS | REMARKS |
|---|---|
| The full nomenclature for this cartridge is as follows:- Cartridge B L. Blank 80-pr , 5.5-inch & 4.5-in Gun 3-lb Blank L G C 12 or R.F.G.2Mk 1 | The nature, mark and weight of the charge, together with the date and place of filling is stencilled on the side of the cartridge. |
| Charge 1 consists of a rolled paper cylinder closed at one end by a dummy igniter and at the opposite end by a wooden plug the cylinder being filled either sawdust and lead or iron scrap. The whole being enclosed in a cotton cloth bag. The increment is similar to Charge 1 but filled with 7 1/4-inch lengths of one-inch rope weighted with lead sticks | In addition to the usual markings the word "Drill" is marked on the side of each portion and the igniter and the words "Charge Two" on the side of the assembled cartridge the larger portion bearing the word "Charge" and the smaller portion the word "Two" The stalk of the larger bag is marked "One" this marking being hidden when the portions are assembled. |
| The make-up of this cartridge is similar to the above, differing principally in dimensions and shape. | In addition to the usual markings the word "Drill" is marked on the sides of each portion, also the igniter and closing disc and the words "Charge Four" are marked on the side of the assembled cartridge, the larger portion bearing the word "Charge" and the smaller portion the word "Four". The base of the larger bag is marked "Three" and that of the smaller bag "Not to be fired separately" these base markings being hidden when the two portions are assembled. |

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TABLE 9 (CONTINUED)

| TYPE | ARRANGEMENT WEIGHTS AND DIMENSIONS | DETAIL. | |
|---|---|---|---|
| Shell Drill B L S/L 5.5-inch Mk. I (Obsolescent) | Dimensions:-<br><br>Length: 29 55 inches<br>(over body 5 45 inches<br>Dia.:(at base 4 5 inches<br><br>Estimated weight (without steel cap) 68 75 lbs | The shell consists of a rubber body, lead weights, a base and head of mild steel and a brass nose fitted with a screwed detachable cap of steel. The body is vulcanised on to the head and base pieces and eleven lead weights are situated between the brass nose which screws into the head and a steel disc with hard rubber plug fitted into the base. The brass nose is secured by a fixing screw and the disc and plug by a steel ring which has two key holes to facilitate assembly. Steel discs may be inserted at one end of the bore to prevent movement of the weights. | The word "D... the contra... mark and ... stamped on... on the head... the body is... |
| Shell Drill B.L. S/L 5.5-inch Mk.2 | - do - | The Mk.2 shell consists of a hardwood body centrally bored and recessed to accomodate a lead weight cast on a central steel tube which is screwthreaded externally at each end for fixing the nose and base. A steel plug fitted with a detachable cap is screwed into the nose. A brass collar is secured around the body by six screws. | |

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| | DETAIL | REMARKS |
|---|---|---|
| ches<br>ches<br>ches<br><br>thout<br>s | The shell consists of a rubber body, lead weights, a base and head of mild steel and a brass nose fitted with a screwed detachable cap of steel. The body is vulcanised on to the head and base pieces and eleven lead weights are situated between the brass nose which screws into the head and a steel disc with hard rubber plug fitted into the base. The brass nose is secured by a fixing screw and the disc and plug by a steel ring which has two key holes to facilitate assembly. Steel discs may be inserted at one end of the bore to prevent movement of the weights. | The word "Drill" and"5.5" "1" together with the contractors initials or recognised trade mark and month and year of manufacture are stamped on the base. The letter "B" stamped on the head below the nose indicates that the body is of bonded rubber. |
| | The Mk.2 shell consists of a hardwood body centrally bored and recessed to accomodate a lead weight cast on a central steel tube which is screwthreaded externally at each end for fixing the nose and base. A steel plug fitted with a detachable cap is screwed into the nose. A brass collar is secured around the body by six screws. | - do - |

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TABLE 10

AMMUNITION B.L. 5.5-INCH - PAPER SHOT

| TYPE | ARRANGEMENT<br>WEIGHTS AND DIMENSIONS | DETAIL | |
|---|---|---|---|
| Shot Paper B.L. 5.5-inch Mk.I | The paper shot consists of two portions of the following dimensions :-<br><br>Front Portion<br>Length (max) 22.60 inches<br>Diameter (max) 5.3 inches<br><br>Rear Portion<br>Length 22.60 inches<br>(body max) 5.3 inches<br>Dia (band 5.75 inches<br><br>Filled weight: 100 lbs | The front portion is made up of a cylinder of brown paper closed at the ends with strawboard discs and rings. A recess is formed in each end one end being provided with a filling hole and cork bung.<br>The rear portion is made up similarly but has the filling end increased in diameter by a paper band 2 1/4-inches deep.<br>The shot are filled diamond grit. | The shot are stencilled on<br><br>(or ross<br><br>together with trade mark and |
| Shot Paper B.L. 5.5-inch Mk.2 | The Mk.2 shot is generally similar to the Mk.1 above differing principally in the length of each portion being 30.5 inches and in total weight 160-lbs. | - do - | |

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AMMUNITION B.L. 5.5-INCH - PAPER SHOT

| TIONS | DETAIL | REMARKS |
|---|---|---|
| rts of follow- 30 inches 5 inches 60 inches 5 inches 75 inches lbs | The front portion is made up of a cylinder of brown paper closed at the ends with strawboard discs and rings. A recess is formed in each end one end being provided with a filling hole and cork bung. The rear portion is made up similarly but has the filling end increased in diameter by a paper band 2 1/4-inches deep. The shot are filled diamond grit. | The shot are painted black, the following being stencilled on the side of each portion in white:-<br>1<br>5 5" B.L.<br>50 lb<br>FRONT PORTION<br>(or rear portion as applicable)<br>together with contractor's initials or recognised trade mark and date of manufacture. |
| rally above y in rtion d in | - do - | - do - |

TABLE 11 AMMUNITION B.L. 5.5-INCH - DETAILS OF COMPONENTS

GRUMMETS

The following grummets are approved for use with projectiles B.L. 5.5-inch gun

(a) Grummets, Projectile, Sets, Double, B.L. 5.5-inch Mark 4 -
At present used on projectiles having either a single or a double driving band.

(b) Grummets, Projectile, Single, B.L. 5.5-inch Mark 1 -
New production for projectiles having a single driving band

(c) Grummets, Projectile, Sets, Treble, B.L. 5.5-inch Mark 1 -
New production to be for projectiles having double driving bands.

TUBES

The following tubes are approved for use with B.L. 5.5-inch equipments in use in the Land Service.

(a) Tubes, P.S.A. Cartridge 0.303-inch, Marks 34, 44 and 5
Tubes, Vent, Percussion 0.5-in, Marks 4, 5 and 6

(Tubes, Vent, Percussion 0.5-in., Marks 4 and 5 have been endorsed obsolescent).

PACKING OF TUBES

| TUBE | BOX NUMBER | CONTENTS | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | HEIGHT | WIDTH | FILLED WEIGHT |
|---|---|---|---|---|---|---|---|
| P.S.A. 0.303-in | T 3 | 200 | 20 in tinned plate box No. 380 | 15.25 | 4.25 | 7.35 | 12.4 |
| -do- | B 3 | 360 | | 9.375 | 6.625 | 10.25 | |
| Vent Percussion 5-inch | T 9 | 200 | 10 in tinned plate box Mk. 2 or 10 in tinned plate box No. 379 Mk. I | 18.6 | 9.25 | 9.25 | 5933 |

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New production to be for [illegible]

TUBES

The following tubes are approved for use with B.L. 5.5-inch equipments in use in the Land Service.

(a) Tubes, P.S... Cartridge 0.303-inch, Marks 3, 4, and 5
Tubes, Vent, Percussion 0.5-in., Marks 4, 5 and 6

(Tubes, Vent, Percussion 0.5-in., Marks 4 and 5 have been endorsed obsolescent).

PACKING OF TUBES

| TUBE | BOX NUMBER | CONTENTS | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | HEIGHT | WIDTH | FILLED WEIGHT |
|---|---|---|---|---|---|---|---|
| P.S... 0.303-in | T 3 | 200 | 20 in tinned plate box No.380 | 15.25 | 4.25 | 7.35 | 12.4 |
| -do- | B 3 | 360 | | 9.375 | 6.625 | 10.25 | |
| Vent Percussion 5-inch | T 9 | 200 | 10 in tinned plate box Mk.2 or 10 in tinned plate box No. 379 Mk.I | 18.6 | 9.25 | 9.25 | |

GAUGES

Gauges Shell B.L. 5.5-inch

| | | | |
|---|---|---|---|
| No.743 | Band High | 5.765 inches Mk.I | V.A.O.S. Section U |
| No.744 | Band Low | 5.735 inches Mk.I | U.A. 1499 |
| No.742 | Body | 5.49 inches Mk.I | U.A. 1500 |
| | | | U.A. 1501 |

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TABLE 12 A CARTRIDGES H.L. 5.5-inch - PACKAGES FOR CARTRIDGES FOR 100-lb SHELL

| DESIGNATION | BOX SERIAL NUMBER | TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT (LB) | MEASUREMENT TONNAGE FT. | IN. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Charge 2 4-lb 4-oz W 057 or W H 061 Mk. I | C 239 Mk. I | Steel | 10 | Each in Container Cartridge No. 23 | 25.4 | 17.6 | 10.3 | 78 | | | Box C 23 Weight Box C 23 Weight |
| Charge 2 5-lb N.H. 025 Mk. I | C 239 Mk. I | -do- | 10 | -do- | 25.4 | 17.6 | 10.3 | 82.5 | | | Contain Cylindr |
| Charge 2 4-lb 8-oz S.C. 048 Mk. I | C 239 Mk. I | -do- | 10 | -do- | 25.4 | 17-6 | 10.3 | 77.5 | | | Contain Cylindr Dimensio |
| Charge 2 5-lb 5-oz F.N.H. 023 Mk. I | | | | | | | | | | | Contain |
| Charge 4 9-lb 2-oz W 104 or W H 109 Mk. I Foil | C 224 Mk. I | Steel | 6 | Each in Container Cartridge No. 4 | 24.7 | 15.25 | 10.2 | 87 | | | Contain Dimensio |
| Charge 4 9-lb 13oz NQ/S 164-048 Mk. I Foil | C 255 | -do- | 6 | Each in Container Cartridge No. 39 | 25.1 | 16.4 | 10.75 | 99.5 | | | |
| - do - | C 224 | -do- | 6 | Each in Container Cartridge No. 207 | 24.7 | 15.25 | 10.2 | | | | |
| Charge 4 10-lb 14-oz 8-dr N.H. 047 Mk. I Foil | | | | | | | | | | | |
| Charge 4 9-lb 8-oz S.C. 103 Mk. I Foil | C 224 | Steel | 6 | Each in Container Cartridge No. 4 | 24.7 | 15.25 | 10.2 | 91 | | | |

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5.5-inch - PACKAGES FOR CARTRIDGES FOR 100-lb SHELL

| UMBER CKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT (LB) | MEASUREMENT TONNAGE FT. | IN. | REMARKS |
|---|---|---|---|---|---|---|---|---|
| 10 | Each in Container Cartridge No.23 | 25.4 | 17.6 | 10.3 | 78 | | | Box C 224 Mk.I - Weight empty 18.5 lb<br>Box C 239 Mk.I - Weight empty 20 lb |
| 10 | -do- | 25.4 | 17.6 | 10.3 | 82.5 | | | Container Cartridge No.28 Mk.I - Cylindrical paper body with tinned plate ends |
| 10 | -do- | 25.4 | 17.6 | 10.3 | 77.5 | | | Container Cartridge No.4 Mk.I - Cylindrical paper body with tinned plate ends Dimensions: Length: 23.5 inches Diameter: 4.6 inches<br>Container Cartridge No.39 Mk.I - As above |
| 6 | Each in Container Cartridge No.4 | 24.7 | 15.25 | 10.2 | 87 | | | Container Cartridge No.207 Mk.I - As above Dimensions: Length: 22.75 inches Diameter: 4.6 inches |
| 6 | Each in Container Cartridge No.39 | 25.1 | 16.4 | 10.75 | 99.5 | | | |
| 6 | Each in Container Cartridge No.207 | 24.7 | 15.25 | 10.2 | | | | |
| 6 | Each in Container Cartridge No.4 | 24.7 | 15.25 | 10.2 | 91 | | | |

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TABLE 12B

CARTRIDGES B.L. 5.5-inch - JUNGLE PACKAGES FOR CARTRIDGES FOR 100-

| DESIGNATION | BOX SERIAL NUMBER | TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT (LB) | MEASUREMENT TONNAGE FT IN. | |
|---|---|---|---|---|---|---|---|---|---|---|
| Charge 4 9-lb 2-oz. W 104 or W M 109 Mk.I Foil | C 239 Mk.I | Steel | 5 | Each in Container Cartridge No.261 Mk.I or Mk.2 | 25.4 | 17.6 | 10.3 | | | Container C Cylindrical by a metal Dimensions: |
| Charge 4 9-lb 13-oz NQ/S 104-048 Mk.I Foil | -do- | -do- | 5 | -do- | -do- | -do- | -do- | | | Container O Cylindrical by a spring by a metal |
| Charge 4 9-lb 8-oz S C 103 Mk.I Foil | -do- | -do- | 5 | -do- | -do- | -do- | -do- | | | Dimensions: |

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CARTRIDGES B.L. 5.5-inch - JUNGLE PACKAGES FOR CARTRIDGES FOR 100-lb SHELL

| INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT (LB) | MEASUREMENT TONNAGE FT | IN. | REMARKS |
|---|---|---|---|---|---|---|---|
| Each in Container Cartridge No.261 Mk.I or Mk.2 | 25.4 | 17.6 | 10.3 | | | | Container Cartridge No.261 Mk.I - Cylindrical waterproof board closed at both ends by a metal push on cap<br>Dimensions: Length: 23.0 inches<br>Diameter: 5.5 inches |
| -do- | -do- | -do- | -do- | | | | Container Cartridge No.261 Mk.2 - Cylindrical waterproof board closed at one end by a spring on metal cap/and at the opposite end by a metal push on cap.<br>Dimensions: Length 23.125 inches<br>Diameter 5.5 inches |
| -do- | -do- | -do- | -do- | | | | |



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TABLE 13 CARTRIDGES B.L. 5.5-inch - PACKAGES FOR CARTRIDGES FOR 80-lb SHELL

| DESIGNATION | BOX SERIAL NUMBER | TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT (LB) | MEASUREMENT TONNAGE FT IN | |
|---|---|---|---|---|---|---|---|---|---|---|
| Full Charge 11-lb 8-oz W M 130 Mk.I Foil | C 255 | Steel | 6 | Each in Container Cartridge No.39 | 25.1 | 16.4 | 10.75 | 110 | | Box prod |
| - do - Canadian | C 239 | Steel | 5 | Each in Container Cartridge No.52 Mk.I | 25.4 | 17.6 | 10.3 | 95.5 | | |
| Full Charge 12-lb 9-oz N/S 164-048 Mk.I Foil | C 1 | Wood | 6 | Tinned plate lining | 26.25 | 17.9 | 17.5 | 121.5 | | |
| - do - | C 235 | Steel | 4 | Each in Container Cartridge No.208 | 46.4 | 12.4 | 6.4 | 98.5 | | |

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L. 5.5-inch - PACKAGES FOR CARTRIDGES FOR 80-lb SHELL

| NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT (LB) | MEASUREMENT TONNAGE FT | IN | REMARKS |
|---|---|---|---|---|---|---|---|---|
| 6 | Each in Container Cartridge No.39 | 25.1 | 16.4 | 10.75 | 110 | | | Box C.1 Temporary package only future production being packed in Box. C.235 |
| 5 | Each in Container Cartridge No.52 Mk.I | 25.4 | 17.6 | 10.3 | 95.5 | | | |
| 6 | Tinned plate lining | 26.25 | 17.9 | 17.5 | 121.5 | | | |
| 4 | Each in Container Cartridge No.208 | 46.4 | 12.4 | 6.4 | 98.5 | | | |

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TABLE 14

CARTRIDGES B.L. 5.5-INCH - AMERICAN PACKAGES:

| DESIGNATION | BOX SERIAL NUMBER | TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHTS (LB) |
|---|---|---|---|---|---|---|---|---|
| Charge 2 4-lb. 4-oz W.057 or W.M. 061 Mk.I | Unnumbered | Wood | 25 | Metal lined | 26-375 | 16.25 | 17.375 | 156 |
| Charge 4 9-lb 2-oz W 104 or W M 109 Mk.I foil | -do - | -do- | 16 | -do- | -do- | -do- | -do- | 206 |

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CARTRIDGES B.L. 5.5-INCH - AMERICAN PACKAGES:

| NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHTS (LB) | MEASUREMENT TONNAGE ft. In. | REMARKS |
|---|---|---|---|---|---|---|---|
| 25 | Metal lined | 26-375 | 16.25 | 17.375 | 156 | | |
| 16 | -do- | -do- | -do- | -do- | 206 | | |

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TABLE 15

CARTRIDGES BLANK - 5.5-in PACKAGES.

| DESIGNATION | BOX SERIAL NUMBER | TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS LENGTH | DIMENSIONS BREADTH | DIMENSIONS DEPTH | FILLED WEIGHT (LBS) |
|---|---|---|---|---|---|---|---|---|
| Cartridges B.L. 5.5 -inch Blank Mk.I 3-lb L.G. G.12 or R.F.G.2 | C. 118 Mk. 4 | CPML Whole | 36 | | 17 62 | 17.00 | 21.62 | 153 |
| -do- | C 118 Mk. 6 | -do- | 36 | | 16.85 | 17.00 | 32.55 | 153 |
| -do- | C.119 Mk. 4 | CPML Half | 17 | | 14.25 | 13.60 | 17.70 | 80.5 |
| -do- | C.119 Mk.6 | -do- | 17 | | 18.75 | 13.50 | 13.62 | 80.5 |
| -do- | C.121 Mk.4 | CPML Quarter | 7 | | 11.12 | 10.50 | 14.70 | 41 |
| -do- | C.121 Mk. 6 | -do- | 7 | | 15.75 | 10.40 | 10.60 | 41 |

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CARTRIDGES BLANK - 5.5-in PACKAGES.

| TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS LENGTH | BREADTH | DEPTH | FILLED WEIGHT (LBS) | MEASUREMENT TONNAGE FT | IN | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| CPML Whole | 36 | | 17 62 | 17.00 | 21.62 | 153 | | | As an emergency measure during August 1942 blank cartridges were packed in Box C.128 each cartridge being wrapped in cellophane paper. |
| -do- | 36 | | 16.85 | 17.00 | 32.55 | 153 | | | |
| PML Half | 17 | | 14.25 | 13.60 | 17.70 | 80.5 | | | |
| -do- | 17 | | 16.75 | 13.50 | 13.62 | 80.5 | | | |
| PML Quarter | 7 | | 11.12 | 10.50 | 14.70 | 41 | | | |
| -do- | 7 | | 15.75 | 10.40 | 10.60 | 41 | | | |

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TABLE 16

AMMUNITION B.L. 5-5-inch - STORAGE CLASSIFICATIONS

| STORE | STEEL STORAGE CATEGORY | GROUP CLASSIFICATION | CATEGORY FOR SAFETY DISTANCE | FIRE RISK CLASS | SEA STOWAGE | |
|---|---|---|---|---|---|---|
| Cartridges B.L. 5.5-in. | B | III | Y | 2 | | Each nature will below:- |
| Shell B.L. H.E. 5.5-inch | B | V | Z | 3 | | B.L. Shell: Type ove Type Serie Weig |
| Shell B.L. Chemical 5.5-inch | CW | XIII | Z | 5 | | |
| Tubes P.S.A. 303 Perc 5-in | B | VI | X | 3 | O.A.S. | B.L. Cartridge: |
| Cartridges B.L.Blank 5.5--inch | B | I | Z | 1 | | Chemical: Type Type Date Lot N Fille Tubes: Calib Type Lot n |

It should be noted for covered stor

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AMMUNITION B.L. 5-5-inch - STOWAGE CLASSIFICATIONS

| ...TION | CATEGORY FOR SAFETY DISTANCE | FIRE RISK CLASS | SEA STOWAGE | REMARKS |
|---|---|---|---|---|
| ...II | Y | 2 | | Each nature will be sorted into sub-divisions as shewn below:- |
| ...V | Z | 3 | | B.L. Shell: Type of filling (particular reference to overseas markings)<br>Type of Shell<br>Series filled lot<br>Weight markings |
| ...III | Z | 5 | | |
| ...I | X | 3 | O.A.G. | B.L. Cartridge: Charge (full, super, reduced, half etc.)<br>Type of propellant<br>Propellant Lot Number |
| ...I | Z | 1 | | Chemical: Type<br>Type of charging<br>Date of Charging<br>Lot Number<br>Filler<br>Tubes: Calibre<br>Type<br>Lot number |
| | | | | It should be noted that B.L. cartridges have priority for covered storage (see R.A.O.3. Part 6, para 90) |

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TABLE 17

STORAGE AND STACKING IN I.C. SHELTERS

| NATURE | TYPE OF PACKAGE | PACKAGES PER SHELTER | ROUNDS PER SHELTER | METHOD OF STORAGE | | | | TONNAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | NUMBER OF TIERS | TIER NUMBER | NUMBER OF PACKAGES ACROSS | NUMBER OF PACKAGES DEEP | PER 1,000 ROUNDS | PER SHELTER | PER SHE... |
| Cartridges B.L. 5 5-in 1st and 2nd Charge | C.224 | 260 | 2 600 | 7 | 1 - 6<br>7 | 4<br>2 | 10<br>10 | 3 4 | 3 85 | 53 |
| 3rd and 4th Charge | C.224 | 260 | 1 560 | 7 | 1 - 6<br>7 | 4<br>2 | 10<br>10 | 6 6 | 10.3 | 64 |
| 2nd Charge | C.239 | 160 | 1 600 | 7 | 1 - 6<br>7 | 3<br>2 | 8<br>8 | 3.75 | 6 0 | 56 |
| Shell B.L. 5 5-in H.E. | - | Loose | 455 | 7 | (5 Pyramid Stacks base to 10 on top) | | 16 | 14.6 | 19.65 | 11 |
| Chemical | - | Loose | 450 | 7 | (5 Pyramid Stacks base to 9 on top) | | 16 | 40.0 | 18.0 | 16 |
| Tubes Vent Pere 5.5-inch | T.9 | 572 | 114 400 | 8 | 1 - 6<br>7<br>8 | 6<br>5<br>3 | 13<br>13<br>13 | 0.12 | 13.75 | 8 |
| Tubes M.G.A. .303-in | T.3 | 3.069 | 613,800 | 11 | 1 - 7<br>8<br>9<br>10<br>11 | 10<br>9<br>8<br>7<br>5 | 31<br>31<br>31<br>31<br>31 | 0.03 | 18.4 | 1 |

NOTE:- B.L. shell will normally be piled on dunnage, alternate layers head to tail. All shell is important to see that the grummets rest on the cylindrical portion of streamlined shel dunnage to prevent the pile from collapsing.

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STORAGE AND STACKING IN I.C. SHELTERS

| ER | METHOD OF STORAGE | | | | TONNAGE | | | EXPLOSIVE CONTENT | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | NUMBER OF TIERS | TIER NUMBER | NUMBER OF PACKAGES ACROSS | DEEP | PER 1,000 ROUNDS | PER SHELTER | PER 6 SHELTERS | PER ROUND | PER SHELTER | PER 6 SHELTERS |
| 0 | 7 | 1 - 6<br>7 | 4<br>2 | 10<br>10 | 3 4 | 8 85 | 53 05 | 4 25 | 11 050 | 66,300 |
| | 7 | 1 - 6<br>7 | 4<br>2 | 10<br>10 | 6 6 | 10.3 | 61 8 | 9 12 | 14,227 | 85,362 |
| | 7 | 1 - 6<br>7 | 3<br>2 | 8<br>8 | 3.75 | 6 0 | 36.0 | 4 25 | 6,800 | 40,800 |
| | 7 | (5 Pyramid Stacks base to 10 on top) | | 16 | 14.6 | 19.85 | 119.1 | 16.0 | 4,550 | 27 300 |
| | 7 | (5 Pyramid Stacks base to 9 on top) | | 16 | 40.0 | 18.0 | 108.0 | | | |
| 0 | 8 | 1 - 6<br>7<br>8 | 6<br>5<br>3 | 13<br>13<br>13 | 0.12 | 13.75 | 82.55 | | | |
| 0 | 11 | 1 - 7<br>8<br>9<br>10<br>11 | 10<br>9<br>8<br>7<br>5 | 31<br>31<br>31<br>31<br>31 | 0.03 | 18.4 | 110.5 | | | |

e piled on dunnage, alternate layers head to tail. All shell to be piled must be grummetted, and it
he grummets rest on the cylindrical portion of streamlined shell. Chocks should be nailed to the
from collapsing.

APPENDIX A

INSTRUCTIONS FOR FITTING "B" EXPLODERS TO SHELL B.L., H.E. 5.5-INCH

1. Stores Required.

| | |
|---|---|
| Luting thin, lead free Mark V | As required |
| Cement R.D., No. 1 lead free | As required |
| Paint, P.F.U., blue ammunition, lead free | As required |
| Plug, fuze-hole, 2-inch No. 13 Mk VM or VS | One per shell |
| Washers, leather lubricated 2.35-in | One per shell |
| Exploders Shell C E "B" | One per shell |
| Discs Glazeboard 1 2-in. diameter .02-in thick (P 7 Bramley No. T.B.3235) | One per shell |
| Discs Tracing Cloth, 1.2-in diameter | One per shell |

2. Tools required.

Implements Ammunition: - Keys No. 8
Tools compressing exploders in Shell Mk. 3
Gauges depth of cavity No. 6

3. Introduction

This task entails removal of Plug No. 3 and insertion of an Exploder "B" and Plug No. 13

In all shell operations, cleanliness and careful handling are most important and it is essential that no dirt, grit or other extraneous matter be allowed to enter the shell or come into contact with any components.

The plain surface of the plug below the screw-threads will be coated with a continuous layer of R.D. cement No. 1 which should be thoroughly dried. It should be noted that even under the most favourable atmospheric conditions at least two hours are necessary for the cement to dry, but at times it is necessary to allow up to two days.

The head of the plug, i.e. the top surface and the rims, will be painted blue. This may be done before commencment or after completion of the job, as convenient.

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4. Method

(a) Remove Plug, fuze-hole, No. 3
(b) Inspect the cavity and clean it if necessary: wipe the screw-threads clean.
(c) Insert the Exploder "B", choke downwards, as far as possible into the exploder cavity, and press to the required depth with the tool, compressing exploders.

Note: When "difficult" exploders are encountered this operation can be simplified by:-

(i) If the exploders are slightly large longitudinally gently compress the C.E. towards the bottom of the exploder bag by tapping gently on the palm of the hand or a piece of

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Implements Ammunition: - Keys No. 8
Tools compressing exploders in Shell Mk. 3
Gauges depth of cavity No. 6

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The head of the plug, i.e. the top surface and the rims, will be painted blue. This may be done before commencment or after completion of the job, as convenient.

4. Method

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(a) Remove Plug, fuze-hole, No. 3
(b) Inspect the cavity and clean it if necessary: wipe the screw-threads clean.
(c) Insert the Exploder "B", choke downwards, as far as possible into the exploder cavity, and press to the required depth with the tool, compressing exploders.

Note: When "difficult" exploders are encountered this operation can be simplified by:-

(i) If the exploders are slightly large longitudinally gently compress the C.E. towards the bottom of the exploder bag by tapping gently on the palm of the hand or a piece of felt whilst holding the choke between the fingers and before insertion turn the empty portion of the choke over the side of the exploder.

(ii) If the exploders are slightly large diametrically roll them gently between the hands or elongate them as much as possible as follows:- Lay the exploders on a piece of felt: form a longitudinal groove on the side opposite the seam with a brass or copper rod $\frac{1}{8}$-in diameter by rolling gently: press the sides of the groove together with the fingers and insert the exploder into the cavity with as little disturbance as possible.

(d) Remove the Tool compressing exploders and gauge the distance from the top of the exploder to the top of the shell. Compress further if necessary until the distance is not more than to allow the plug to be screwed fully home

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(e) Insert one glazeboard disc and (on top of the glazeboard disc) one tracing cloth disc.

(f) Affix a leather washer on to the Plug No. 13 and coat the threads (except the ~~innermost three~~) with thin luting. Insert the plug and screw it well home with the Key No. 8. Wipe any excess luting off the shell.

5. Special precautions.

(a) In order that the exploders will not be damaged during compression into the cavity, the Tool, compressing exploders must be manipulated so that the plunger exerts a steady downwards pressure without any twisting movement.

(b) The degree of compression must be judged so that the distance allowed between the discs and the top of the shell does not exceed the depth of the plug.

(c) In order to ensure that all shell are fully serviceable after conversion, a five per cent inspection will be carried out on each filled series of shell after a period of time of not less than half an hour has elapsed. The shell inspection will include the work of all operatives engaged on insertion and compression of the exploders so that defective work is easily traced to the one concerned. The inspection will be carried out as follows:-

(i) Remove Plug No. 13. Remove tracing cloth and glazeboard discs.

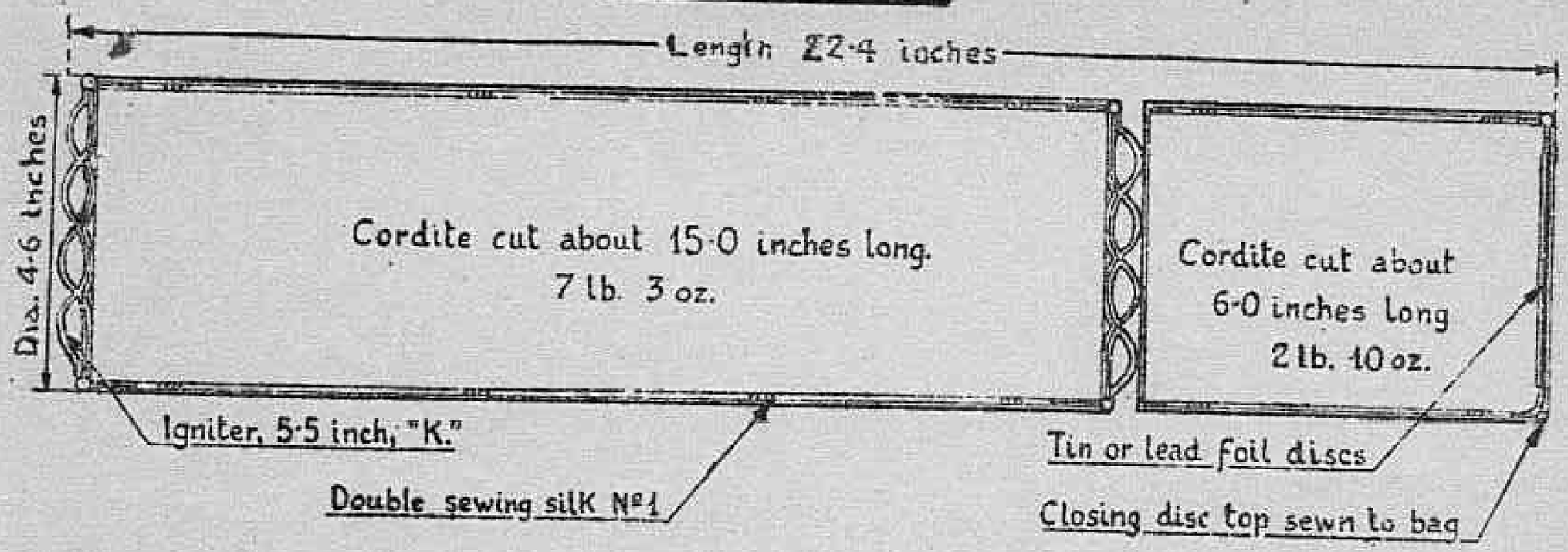
(ii) Examine the visible portion of the exploder and ensure that it is not damaged. Damaged exploders will be removed in a separate room, and the shell will be re-exploded as in para. 4.

(iii) Replace the discs and gauge the distance to the top of the shell and ensure that it is correct.

(iv) Apply fresh thin luting to the threads of the plug and re-insert it into the shell.

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# CARTRIDGE, B.L., 5-5 INCH, 9 LB. 13 OZ. CORDITE NQ/S 164-048
## MARK 1 FOIL



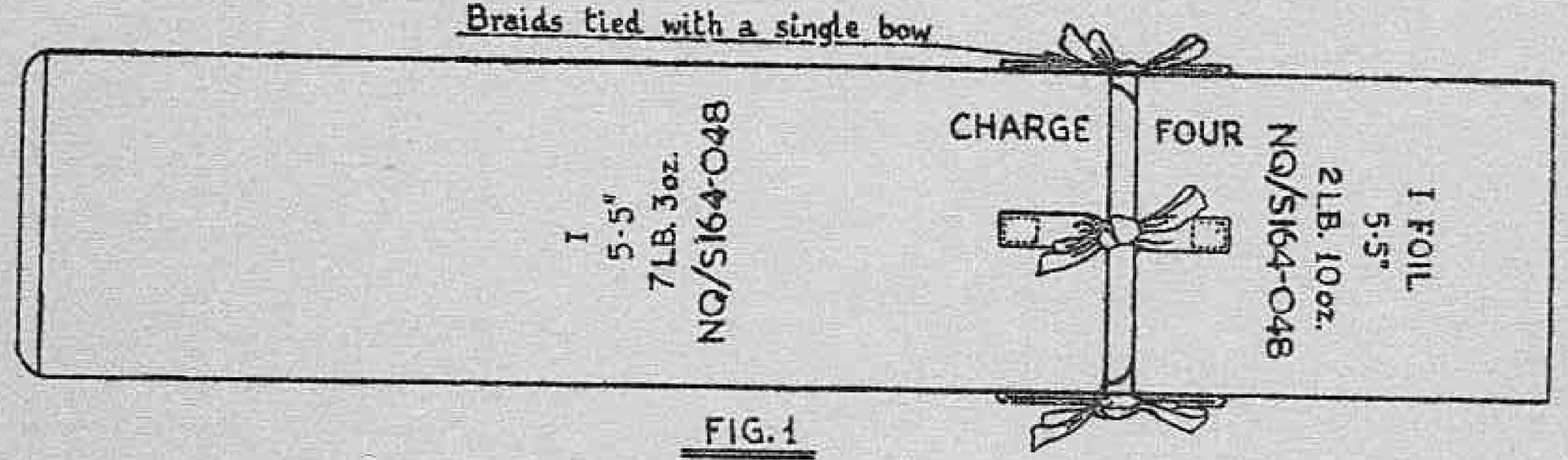
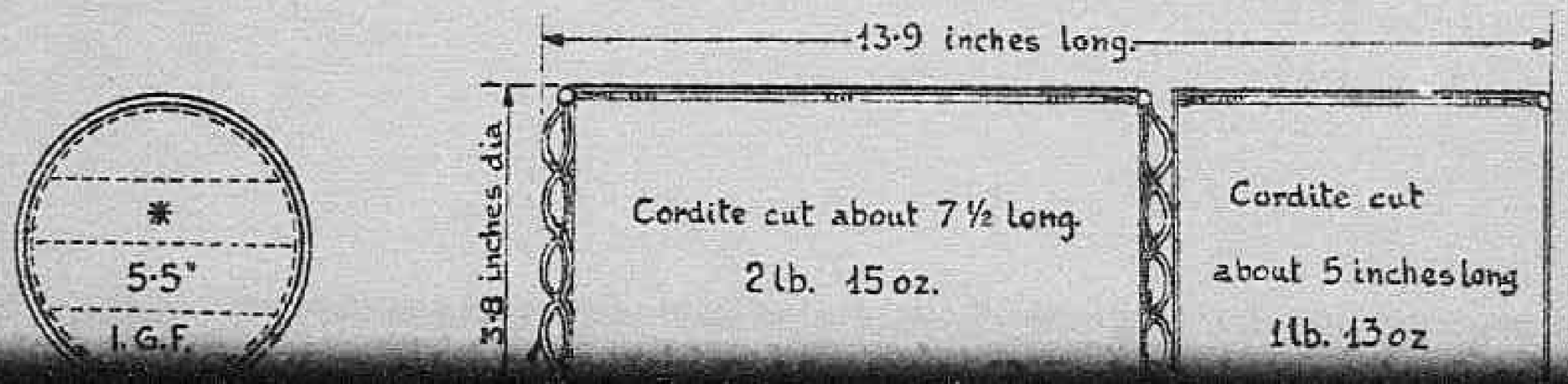




FIG. 1

# CARTRIDGE, B.L., 5-5 INCH, 4 LB. 12 OZ. CORDITE NQ. 050
## MARK 1

5928




Declassified E.O. 12065 Section 3-402/NNBC NO. 785020

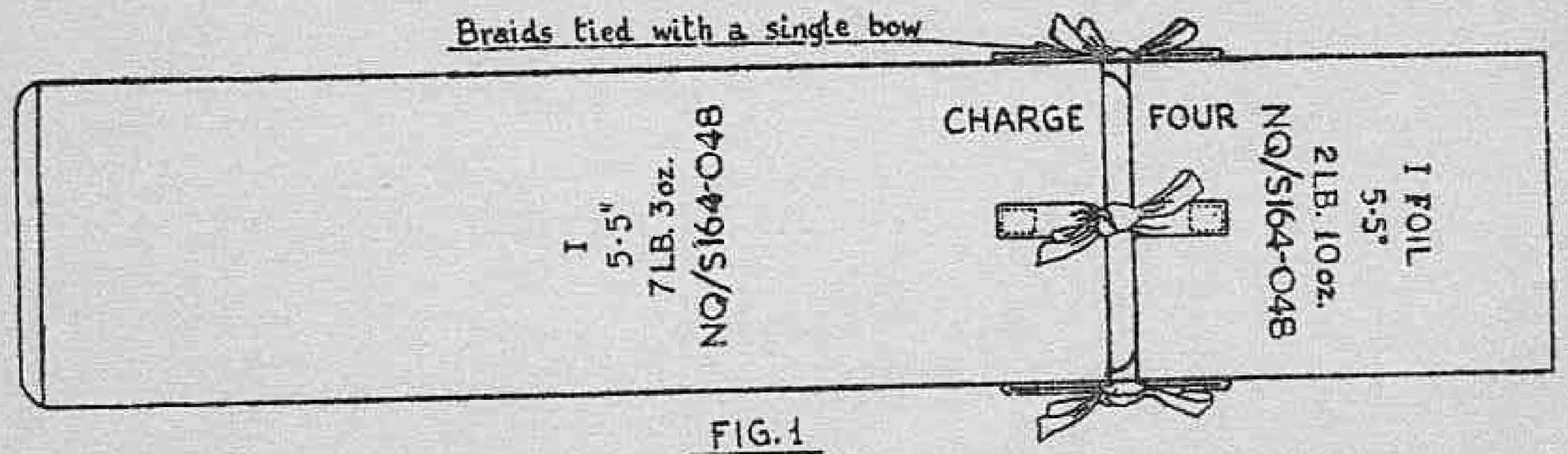
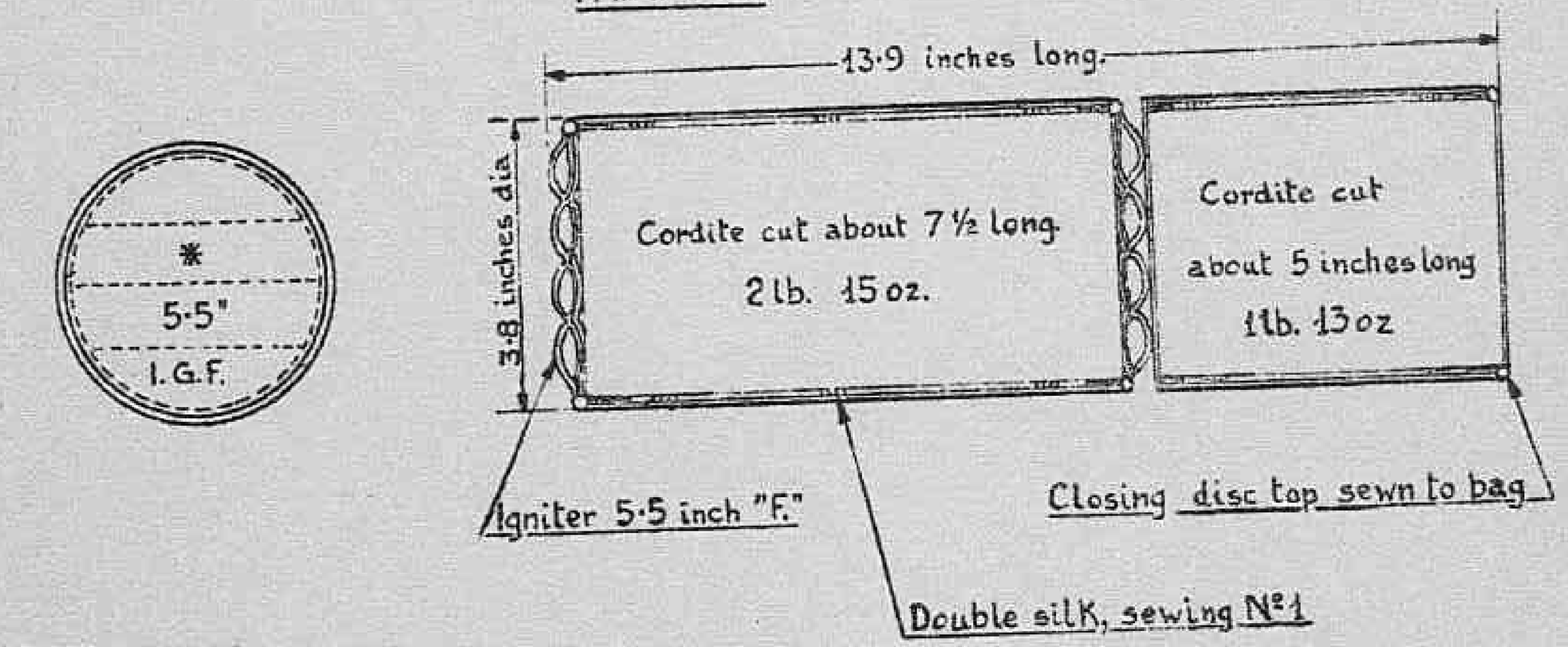



FIG. 1

# CARTRIDGE, B.L., 5·5 INCH, 4LB. 12OZ. CORDITE NQ. 050

## MARK 1

5925



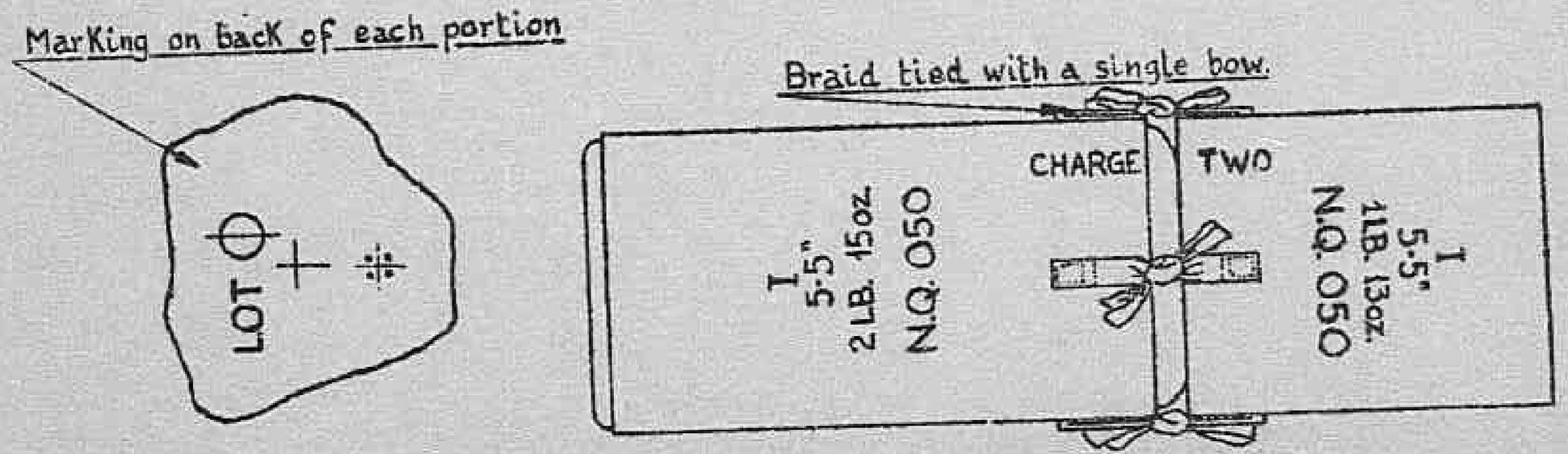
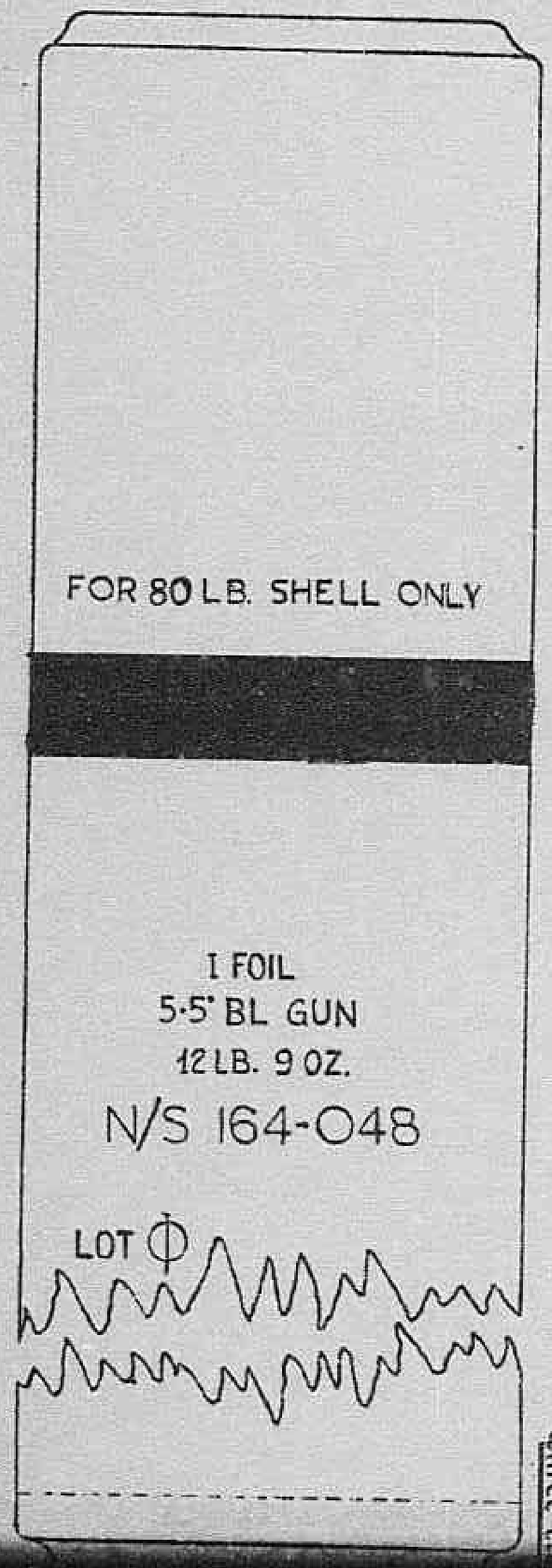



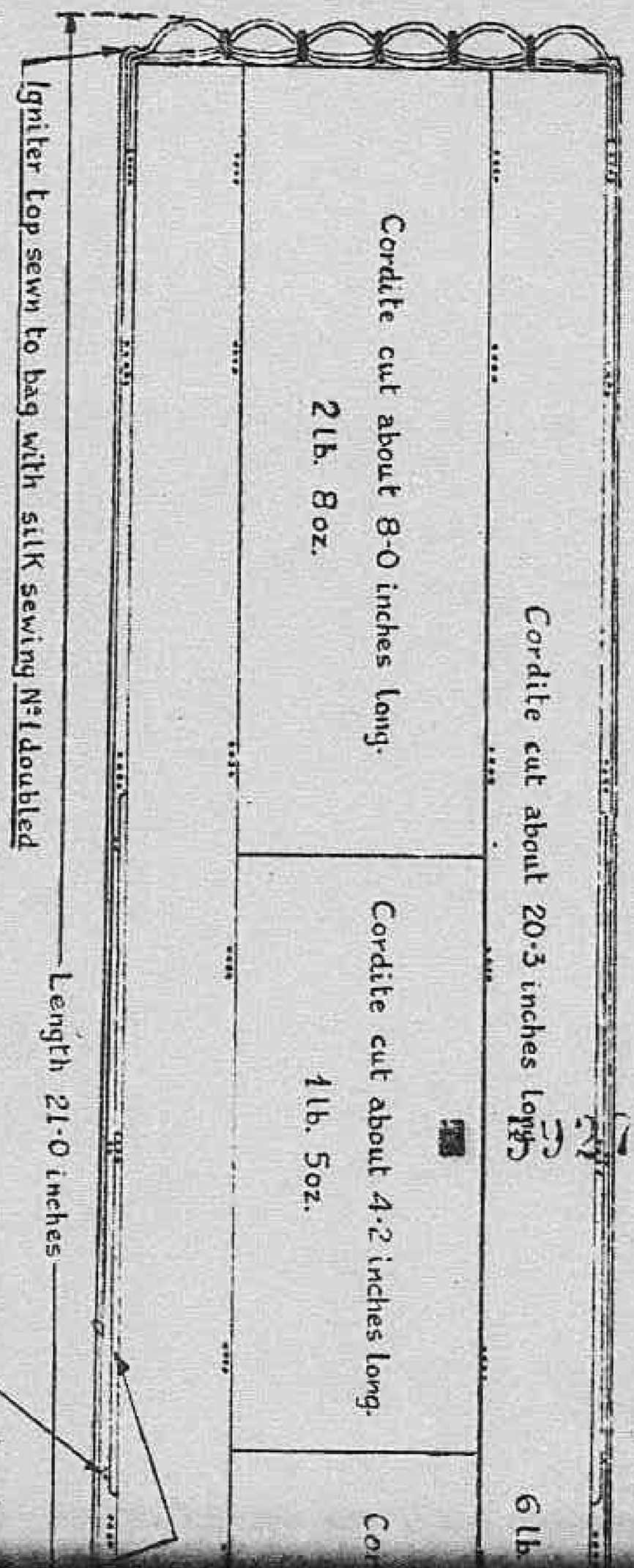

FIG. 2

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# CARTRIDGE, B.L., 5-5 INCH, 12 LB. 9 OZ. CORDITE N/S 164-048

## MARK 1 FOIL




Declassified D.D. 12065 Section 3-402/NNDG NO. 785020

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

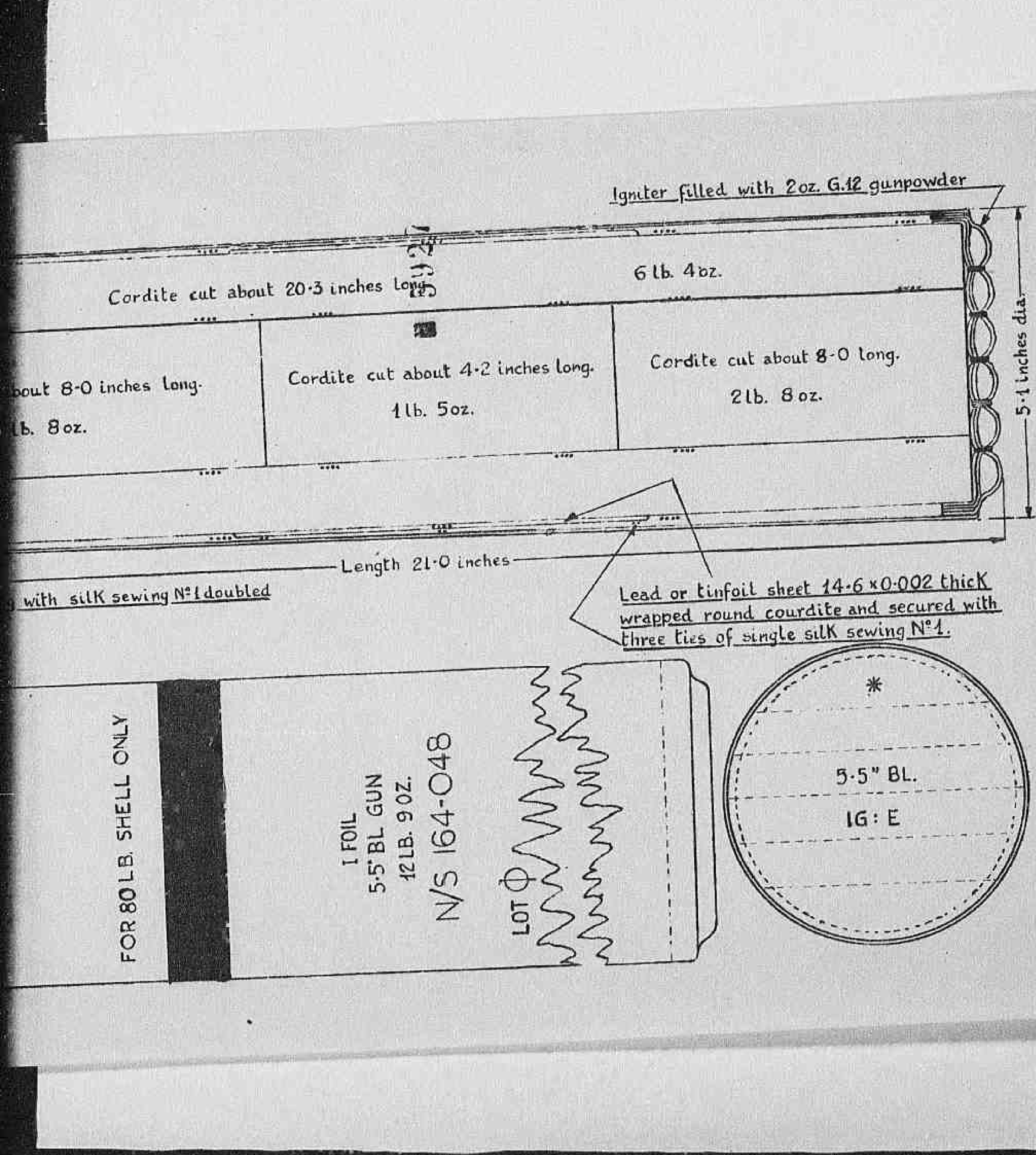
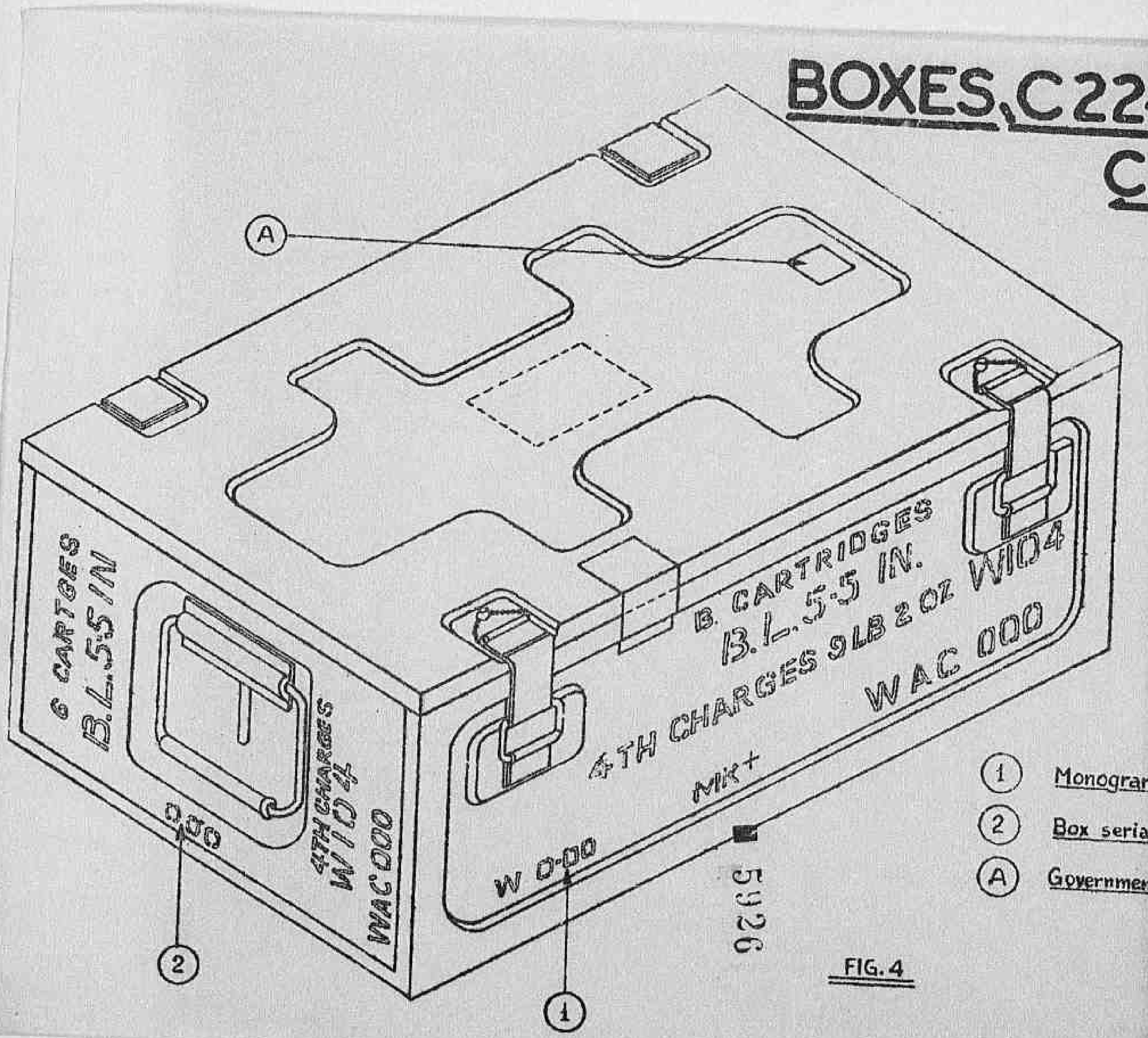



FIG. 3

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

BOXES, C 224
CA




9926

FIG. 4

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# BOXES, C 224, CONTAINING CARTRIDGES, B.L. 5·5 INCH

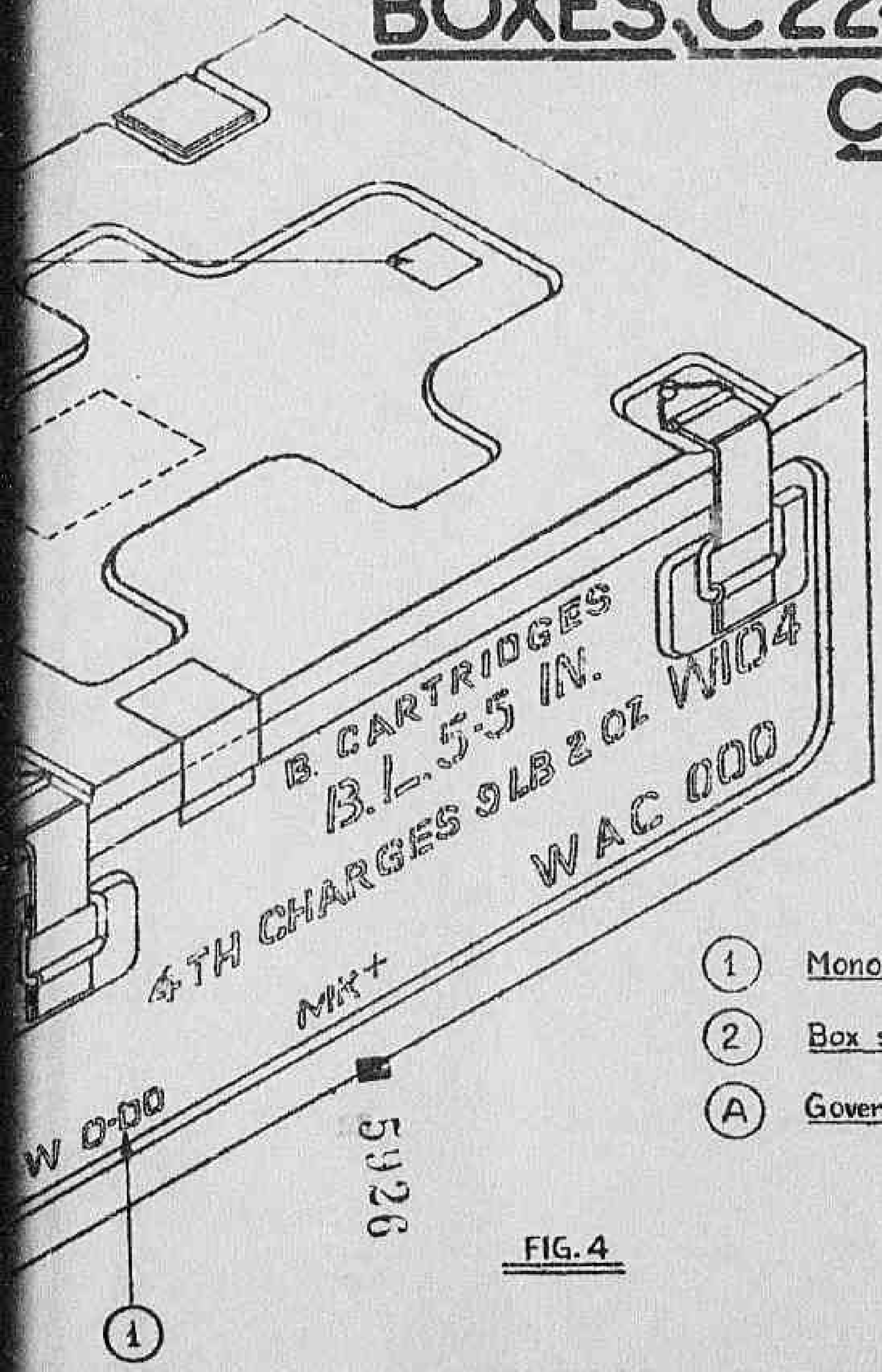



FIG. 4

(1) Monogram of station and date of filling (month & year

(2) Box serial number.

(A) Government explosive label or stencil.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# BOX, STEEL, CONTAINING CARTRIDGES B.L. 5·5 INCH FOR 80 LB. SHELL

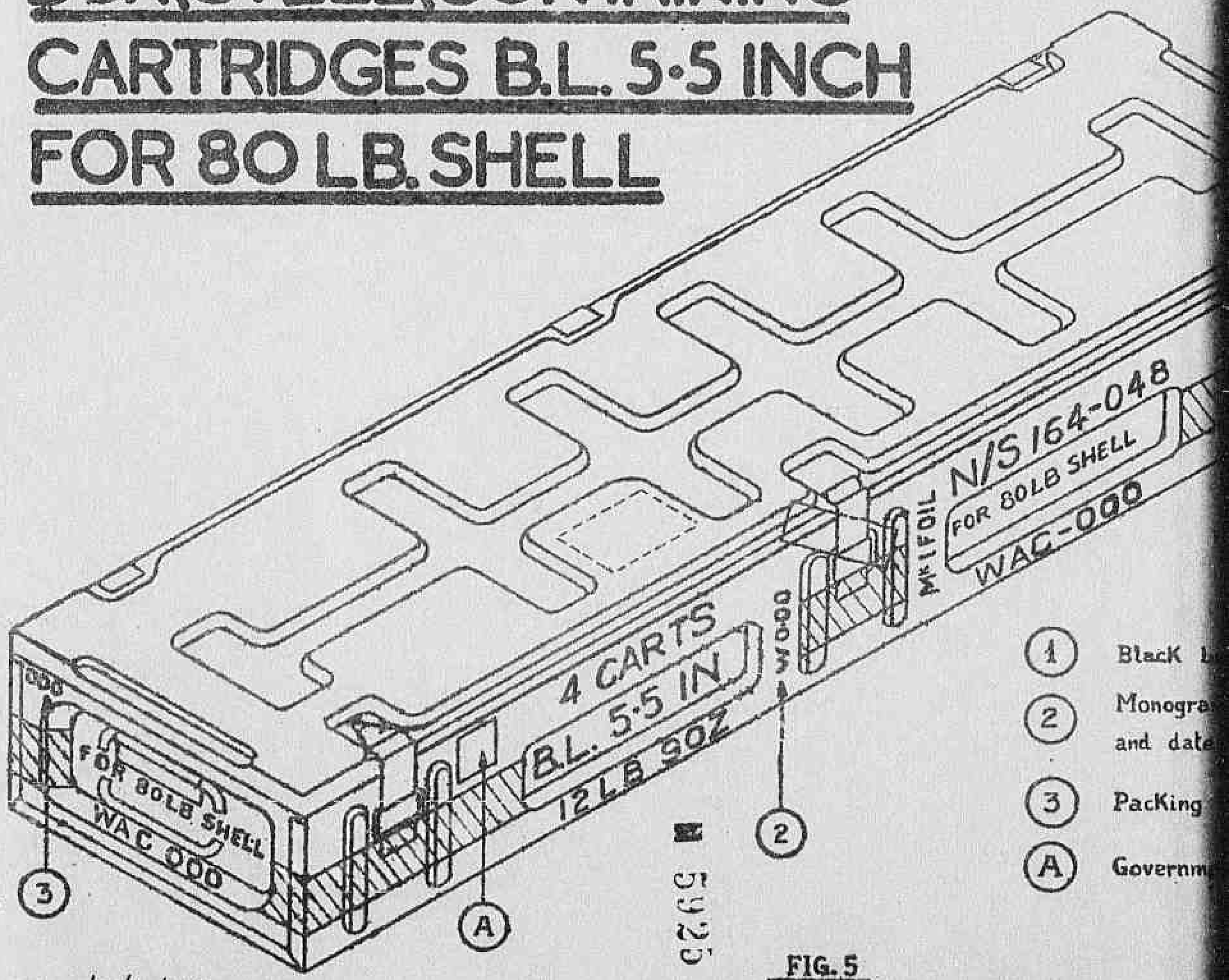
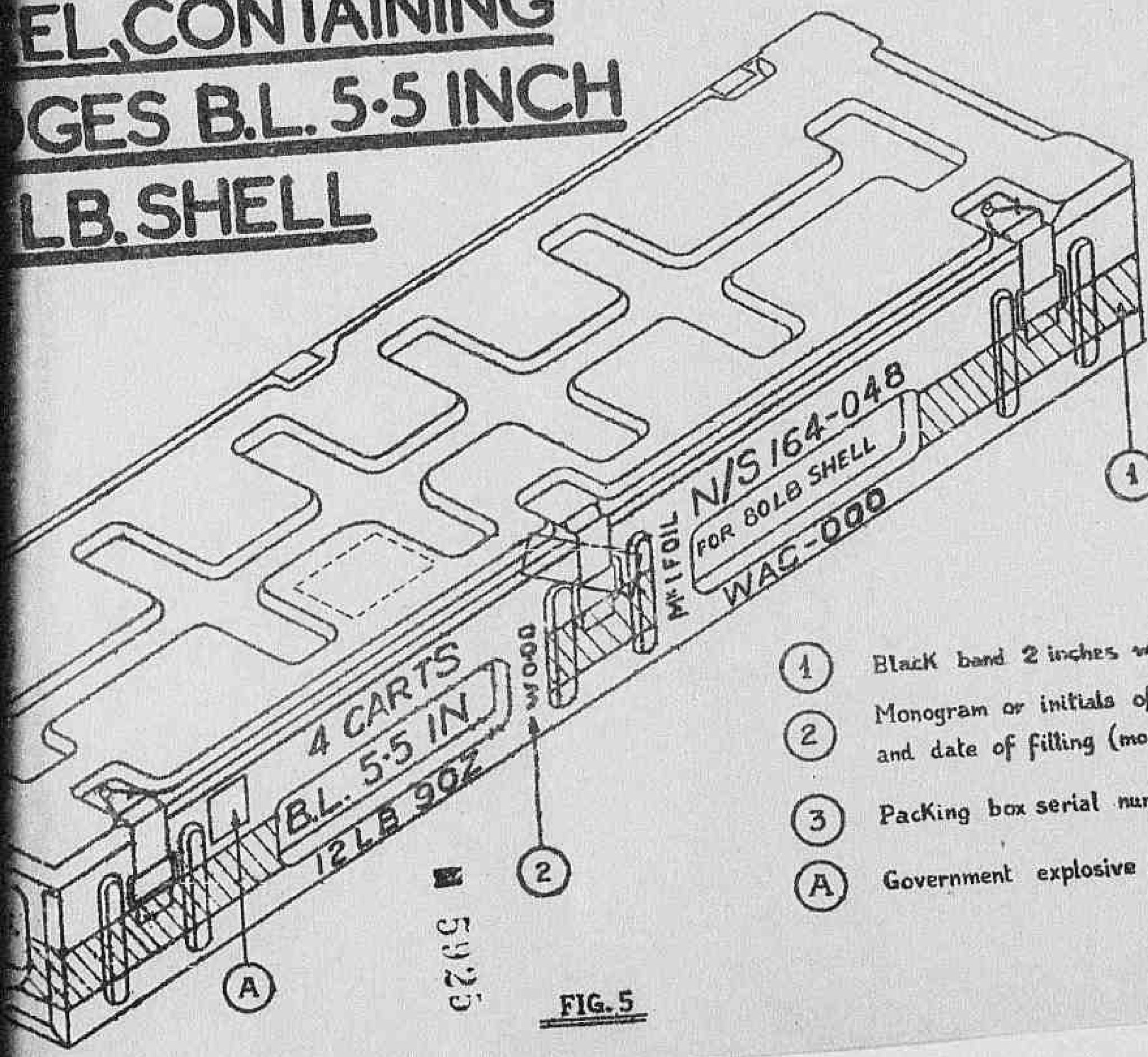



FIG. 5

7m05/723/660/3-48

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# EL, CONTAINING
# GES B.L. 5·5 INCH
# LB. SHELL




(1) Black band 2 inches wide.

(2) Monogram or initials of filling station and date of filling (month & year).

(3) Packing box serial number.

(A) Government explosive label or stencil.

FIG. 5

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

SUBJECT :- Ammunition .303 VIIIZ

52 BLU,
ST/6/27,
13 Apr 45.

(23)

HQ LEGNANO Gruppo di Combattimento

You were requested verbally on 11 Apr 45 to return the 30,000 rounds of .303 VIIIz to 127 FMC as it is not required by this formation.

Will you please report to this office immediately the amn has been returned, as higher authority wish to be informed.

IN THE FIELD
LAP/BB

5924

D. D. Pulford
Major,
D.A.D.S.T.

Copy to :- DADOS 52 BLU.—

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

ARMY FORM C2136 (Small) **MESSAGE FORM** Register No.

Call | Sel. No. | Priority | Transmission Instructions

(23)

**ABOVE THIS LINE FOR SIGNALS USE ONLY**

FROM (A) Originator: D.A.D.O.S. 52 B.L.U. | Date Time of Origin: 14 09.15

Office Date Stamp

For Action: A.D.O.S. (BR. INCR.) 5th ARMY

TO

(W) For Information (INFO): Q BRANCH (BR. INCR.) 5th ARMY (21)

Message Instructions | GR

Originator's No.

05/104 RESTRICTED (.) REF YOUR 5A/03/4/536 OF 8 (.) 30,000 ROUNDS OF .303 MKV111z S/B RETURNED TO 127 F.M.C. 13 APL.(.)

THIS MESSAGE MAY BE SENT **AS WRITTEN** BY ANY MEANS { EXCEPT } WHICH DOES

Signed: Col. Secretary

IF LIABLE TO BE INTERCEPTED OR TO FALL INTO ENEMY HANDS, THIS MESSAGE MUST BE SENT **IN CIPHER**

Signed

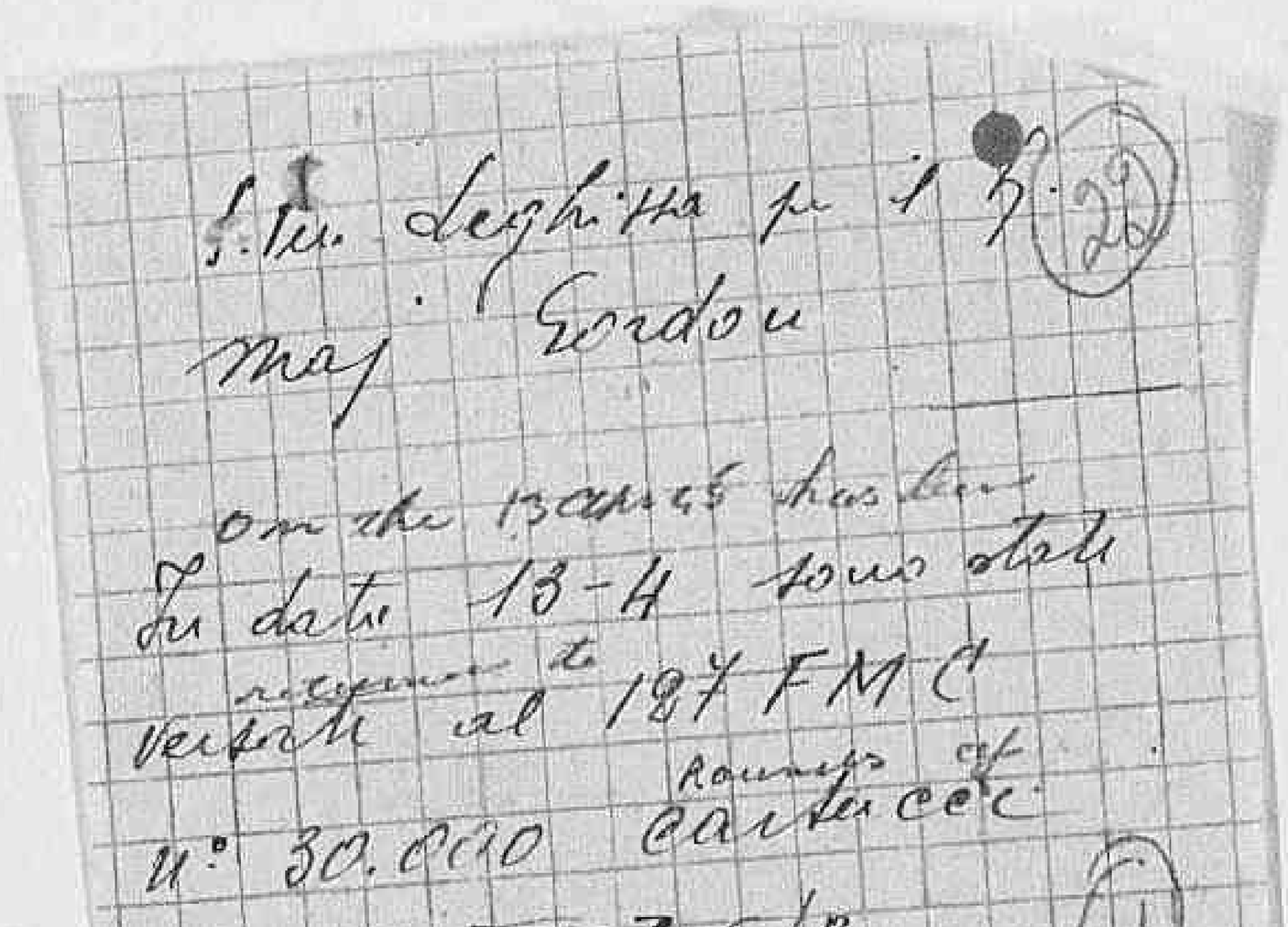
ORIGINATOR'S INSTRUCTIONS DEGREE OF PRIORITY

5923

| Time | System | Op. |
|---|---|---|
| THI or TOR | | |
| Time cleared | | |

GV286 Wt. 9532/134 3,000,000 Pads 5/43 B & S Ltd. 51-6745 6

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020



Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

ARMY FORM C 2176 (Small) **MESSAGE FORM** Register No.

| Call | Srl. No. | Priority | Transmission Instructions |
|---|---|---|---|
| | | | |

ABOVE THIS LINE FOR SIGNALS USE ONLY

| FROM (A) Originator | Date-Time of Origin. | Office Date Stamp |
|---|---|---|
| ADOS Brit Incr Fifth Army. | 8 April 45. | |

For Action

52 B.L.U.

To

(W) For information (INFO)

'Q' Brit Incr Fifth Army

Message Instructions | GR

Originator's No. 5A/OS/4/536 (.) Legnano Gruppo drew 30,000 rds of .303 Mk VIIIz S/B amn on 15 March 45. (.) Understood no weapons under command. (.) Please return to 127 F.M.C. and report completion to this HQ (.)

P.S.S./B/Dse 100 M x 1M/944

THIS MESSAGE MAY BE SENT AS WRITTEN BY ANY MEANS [EXCEPT] WIRELESS

Signed C. Hilliard Major.

IF LIABLE TO BE INTERCEPTED OR TO FALL INTO ENEMY HANDS, THIS MESSAGE MUST BE SENT IN CIPHER

Signed

ORIGINATOR'S INSTRUCTIONS DEGREE OF PRIORITY

DIRLS

See 22

| Time | System | Op. |
|---|---|---|
| THI or TOR | | |
| Time cleared | | |

5921

SUBJECT : Publications.

(20)

ORD/14.

British Increment (Ordnance Branch),
Rear Hq Fifth Army, CMF.

Phone : LIGHTNING REAR 173.

Ref : 5A/OS/4/520.

Date : 7 April 45

To: DADOS 52 ELU
.....

.....

Herewith the undermentioned Technical Publications, for which kindly acknowledge receipt by returning the attached slip.

| | | | |
|---|---|---|---|
| T.A.L. No 47 | - | 1 | Copy (20A) |
| T.A.L. (Enemy) No E6 | - | 1 | " (20B) |
| T.A.L. No 42A | - | 1 | " (20C) |

5920

H. [illegible], Capt,
for Lt-Col, ADOS.

Field.

.....

To: ADOS British Increment, Rear Hq Fifth Army, CMF.

Proforma No ...192...

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

| | | | |
|---|---|---|---|
| T.A.L. No 47 | - | 1 | Copy (2cA) |
| T.A.L. (Enemy) No E6 | - | 1 | " (2cB) |
| T.A.L. No 42A | - | 1 | " (2cC) |

5920

H. [illegible], Capt,
for Lt-Col, ADOS.

Field.

.....

To: ADOS British Increment, Rear HQ Fifth Army, C&F.

Proforma No .....192.....

Receipt of publications as detailed in your 5A/OS/4/528 of

..... is acknowledged.

| No of copies of next publication required |
|---|
| ..... |

Signed G.C. Gordon. Maj.

Unit or Formation .22.B.Lee.....

.....

Date .1st.May.45.....

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

(20A)

RESTRICTED. NOT TO FALL INTO THE HANDS OF THE ENEMY.

The information given in this document is not to be communicated either directly or indirectly to the Press or to any person not authorised to receive it.

Technical Ammunition Letters are not a personal issue except to I.O.Os. and A.Es. They must not be taken away by other individuals when leaving a depot or unit.

## TECHNICAL AMMUNITION LETTER NO.47.

The Technical Ammunition Letter is published when necessary, usually once or twice a month. It is the means of quickly conveying technical information to Ordnance Ammunition personnel, and is more convenient than separate War Office letters. A proportion of the contents has only a temporary relevance, information of permanent value will be incorporated in subsequent issues of R.A.O.S. pamphlets.

## PART I - ITEMS REQUIRING ACTION.

987. CANCELLATIONS.

In pursuance of the policy stated in Technical Ammunition Letter No.39, Item 845, the following items are cancelled:-

(i) Under sub-para. (a).

| T.A.L. | Item | Remarks |
|---|---|---|
| 17 | 367 (B) | Amends cancelled item |

(ii) Under sub-para. (c).

| T.A.L. | Item | Reproduced in |
|---|---|---|
| 1 | 3 | T.A.L. 47, Item 995 |
| 2 | 20 | T.A.L. 47, Item 995 |
| 3 | 50 | T.A.L. 47, Item 995 |
| 11 | 202 | T.A.L. 47, Item 991 |
| 14 | 283 | T.A.L. 47, Item 989 |
| 14 | 298 | T.A.L. 47, Item 990 |
| 14 | 299 | T.A.L. 47, Item 995 |
| 16 | 325 | T.A.L. 47, Item 991 |
| 26 | 544 | T.A.L. 47, Items 990 and 995 |
| 27 | 570 | T.A.L. 47, Item 995 |
| 30 | 654 | T.A.L. 47, Item 995 |
| 37 | 787 | T.A.L. 47, Item 995 |
| 43 | 935 | T.A.L. 47, Item 988 |
| 43 | 949 | T.A.L. 47, Item 991 |

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

987. CANCELLATIONS.

In pursuance of the policy stated in Technical Ammunition Letter No.39, Item 845, the following items are cancelled:-

(i) Under sub-para. (a).

| T.A.L. | Item | Remarks |
|---|---|---|
| 17 | 367 (B) | Amends cancelled item |

(ii) Under sub-para. (c).

| T.A.L. | Item | Reproduced in |
|---|---|---|
| 1 | 3 | T.A.L. 47, Item 995 |
| 2 | 20 | T.A.L. 47, Item 995 |
| 3 | 50 | T.A.L. 47, Item 995 |
| 11 | 202 | T.A.L. 47, Item 991 |
| 14 | 283 | T.A.L. 47, Item 989 |
| 14 | 298 | T.A.L. 47, Item 990 |
| 14 | 299 | T.A.L. 47, Item 995 |
| 15 | 325 | T.A.L. 47, Item 991 |
| 26 | 544 | T.A.L. 47, Items 990 and 995 |
| 27 | 570 | T.A.L. 47, Item 995 |
| 30 | 654 | T.A.L. 47, Item 995 |
| 37 | 787 | T.A.L. 47, Item 995 |
| 43 | 935 | T.A.L. 47, Item 988 |
| 43 | 949 | T.A.L. 47, Item 991 |

988. SHELL B.L., H.E., 7.2-INCH HOW. - H.M.C. MANUFACTURE.

The ban on Hunter Shell (initials H.M.) of Lots 51963 to 51973 is lifted. These shell, originally segregated because of suspected cavitation of the H.E. filling, have now been cleared for issue to troops after exhaustive trials.

Certain theatres overseas were given permission to dump these shell and in some cases this dumping was actually carried out. In some theatres the shell have been merely segregated, and they can now be put back to serviceable stocks.

989. INSUFFICIENCY OF LUTING ON PLUGS.

Depots receiving consignments of shell B.L., 7.2-inch How. should examine them carefully for the insufficiency or absence of luting on the threads of the plugs. Luting must be applied to any found deficient to avoid rusting and setting fast of plugs in fuze hole.



Declassified E.O. 12065 Section 1-402/NNDC No. 785020

990. PACKAGES S.L., 7.2-INCH HOW. - STENCILLING.

On the 9th. February, 1943 amended stencils were issued which showed "CHARGE 3" or "CHARGE 4" stencilled on the packages. Owing to the lack of space at the sides and ends, this marking appears on the panel in the lid. Packages which left factory before the 9th. February, 1943 are not so marked.

Depots will ensure that all packages are appropriately marked with the charge number before issue to units.

PART II - ITEMS PUBLISHED FOR INFORMATION.

991. SHELL S.L., H.E., 7.2-INCH HOW.

(1) Weight markings - Incorrect.

Series Nos.5 to 90 inclusive have been stencilled with the wrong weight marking, all shell being marked one unit lower than the actual weight.

No action is to be taken to amend the marking and an appropriate instruction has been issued to users.

(2) Method of filling - DD(L)13005A.

(a) When DD(L)13005A is employed a five ounce smoke mixture should be incorporated in the filling. One factory, however, R.O.F. Elstow did not receive the relevant technical instruction, and as result shell filled to DD(L)13005A by this factory do not have the smoke mixture.

(b) The presence or absence of the smoke mixture in shell filled to DD(L)13005A is clearly indicated by the marking, those with the smoke mixture incorporated having a plain tip and those without the smoke mixture being marked with a black tip.

(c) Plugs, Fuze Hole.

During the current programme of filling shell with top exploders and No.13 plugs, it has been necessary to use a proportion of cast iron plugs. Users have been warned that shell so plugged exist and that these must not be fired plugged, but this fact should be borne in mind by I.O.Cs who may be called upon to investigate accidents with these equipments.

992. CARTRIDGE S.L., 7.2-INCH HOW. CHARGE 5

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

991. SHELL B.L., H.E., 7.2-INCH HOW.

(1) Weight markings - Incorrect.

Series Nos.5 to 90 inclusive have been stencilled with the wrong weight marking, all shell being marked one unit lower than the actual weight.

No action is to be taken to amend the marking and an appropriate instruction has been issued to users.

(2) Method of Filling - DD(L)13005A.

(a) When DD(L)13005A is employed a five ounce smoke mixture should be incorporated in the filling. One factory, however, R.O.F. Elstow did not receive the relevant technical instruction, and as result shell filled to DD(L)13005A by this factory do not have the smoke mixture.

(b) The presence or absence of the smoke mixture in shell filled to DD(L)13005A is clearly indicated by the marking, those with the smoke mixture incorporated having a plain tip and those without the smoke mixture being marked with a black tip.

(c) Plugs, Fuze Hole.

During the current programme of fitting shell with top exploders and No.13 plugs, it has been necessary to use a proportion of cast iron plugs. Users have been warned that shell so plugged exist and that these must not be fired plugged, but this fact should be borne in mind by I.O.Os who may be called upon to investigate accidents with these equipments.

992. CARTRIDGE B.L., 7.2-INCH HOW. CHARGE 5 - APPROVAL.

(1) A Charge 5 has been approved for use with B.L., 7.2-inch How. Mk.6 (Long Ordnance) on 8-inch American carriage. For details see Table 3.

(2) Approval has been given for the packing of two Charge Sections No.5 B.L., 7.2-inch How. in Cylinder No.34 pending the availability of a new watertight container.

In order to provide for the packing of current production for which a sufficient supply of Cylinders No.34 may not be available, the Container Packing No.91 Mk.1 is also approved as a temporary measure to hold two charges.

993. CARTRIDGES B.L., 7.2-INCH HOW. - USE.

With a view to obtaining more regular ballistics with the Mark 6,



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Ordnance, the following types of cartridges should be reserved for use with the Marks 1 to 5 and, wherever possible their use restricted in Mark 6 (long).

Ordnance:-

| | |
|---|---|
| 25 lbs. N.H.055 | (Charges I, II, III and IV) |
| 25 lbs. F.N.H.057 | (Charge IV) |
| 17 lb. 6 oz. 8 dr. F.N.H.025 and F.N.H/P.073 | (Charges I, II and III) |
| 11 lb. 10 oz. W.M.061 | (Charges I, II and III) |

An appropriate instruction to the above effect has been issued to the users.

994. FITTING OF "B" EXPLODERS TO SHELL F.L., H.E., 7.2-INCH HOW.

The instructions as listed in Technical Ammunition Letter No.45, Appendix "A" for fitting "B" Exploders to shell are also applicable to Shell F.L., H.E., 7.2-inch How.

995. SHELL B.L., 7.2-INCH HOWITZER.
CARTRIDGES B.L., 7.2-INCH HOWITZER.

Details of B.L., 7.2-inch Howitzer ammunition are shewn in the following tables:-

Table 1 - Shell B.L., H.E., 7.2-inch How. - Method of Filling
Table 2 - Shell B.L., H.E., 7.2-inch How. - Dimensions and Weights
Table 3 - Cartridges B.L., 7.2-inch How.
Table 4 - Ammunition B.L., 7.2-inch How. - Drill
Table 5 - Ammunition B.L., 7.2-inch How. - Details of Components
Table 6 - Cartridges B.L., 7.2-inch How. - Packages
Table 7 - Ammunition B.L., 7.2-inch How. - Storage Classifications

Fig. 1 - Cartridge B.L., 7.2-inch How. 11-lb. 10-oz. Cordite W.M.061, Mk.1
Fig. 2 - Cartridge B.L., 7.2-inch How. 16-lb. 3-oz. 8-dr. F.N.H. 025 and 057, Mk.2
Fig. 3 - Cartridge B.L., 7.2-inch How. 23-lb. N.H. 055, Mk.1
Fig. 4 - Cartridge B.L., 7.2-inch How. 25-lb. F.N.H.057, Mk.1 Foil
Fig. 5 - Cartridge B.L., 7.2-inch How. Cordite N/S 198-054, Charge 5 Increment, Charge 7-lb. Mk.1
Fig. 6 - Typical for Box, Steel, C.238, Containing Cartridge, B.L., 7.2-inch Howitzer, 3rd. Charge, F.N.H.
Fig. 7 - Typical for Container, Cartridge, Paper, B.L., 7.2-inch How.
Fig. 8 - Typical for Cylinder and Skeleton Cases Containing Cartridges B.L., 7.2-inch, Mk.6, How. Charge 6

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Appendix "A" for fitting "B" Exploders to shell are also applicable to Shell B.L., H.E., 7.2-inch How.

995. SHELL B.L., 7.2-INCH HOWITZER.
CARTRIDGES B.L., 7.2-INCH HOWITZER.

Details of B.L., 7.2-inch Howitzer ammunition are shewn in the following tables:-

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Table 4 - Ammunition B.L., 7.2-inch How. - Drill
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Fig. 1 - Cartridge B.L., 7.2-inch How. 11-lb. 10-oz. Cordite W.M.061, Mk.1
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Fig. 3 - Cartridge B.L., 7.2-inch How. 23-lb. N.H. 055, Mk.1
Fig. 4 - Cartridge B.L., 7.2-inch How. 25-lb. F.N.H.057, Mk.1 Foil
Fig. 5 - Cartridge B.L., 7.2-inch How. Cordite N/S 196-054, Charge 5 increment, Charge 7-lb. Mk.1
Fig. 6 - Typical for Box, Steel, C.238, Containing Cartridge, B.L., 7.2-inch Howitzer, 3rd. Charge, F.N.H.
Fig. 7 - Typical for Container, Cartridge, Paper, B.L., 7.2-inch How.
Fig. 8 - Typical for Cylinder and Skeleton Cases Containing Cartridges B.L., 7.2-inch, Mk.6, How. Charge 5, N/S.

5918

W.S.9,
Metropole Buildings,
VIC.6622, Ex.649.
17th. January, 1945.

Republished by S.I.O.O.
March, 1945.



Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

TABLE 1.

SHELL B.L., H.E., 7.2-INCH HOW. - METHOD OF FILLING.

| METHOD OF FILLING DESIGN NUMBER | BURSTING CHARGE | CAVITY DEPTH (INCHES) | EXPLODER | SMOKE AGENT | FUZE | PL |
|---|---|---|---|---|---|---|
| DD(L)11935 | Amatol 50/50 or 72/20 | 6.3 | B/A | No | No.117 No.117C No.119 No.231 | Fuze 2-in |
| DD(L)13005 | Amatol 50/50 72/28 or 80/20 | 9.2 | B/A | 1½ oz. or 1¼ oz. smoke box. | - do - | - |
| DD(L)13005A | - do - | 9.2 | B/A/A | 5 o%. smoke mixture incorporated in the filling. | - do - | - |
| DD(L)16362 | Amatol 50/50 or 70/30 | 9.2 | B/A/Z | No. | - do - | - |
| DD(L)16817 (Code Marking L.2) | Amatol 50/50 | 6.3 | B/A | No | - do - | Fuz No. |

NOTES: (a) All shell are fitted with an exploder container.
(b) All shell have a T.N.T. surround.
(c) A filled series consists of 1,000 shell.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

SHELL B.L., H.E., 7.2-INCH HOW. - METHOD OF FILLING.

| RGE | CAVITY DEPTH (INCHES) | EXPLODER | SMOKE AGENT | FUZE | PLUG | REMARKS |
|---|---|---|---|---|---|---|
| | 6.3 | B/A | No | No.117<br>No.117C<br>No.119<br>No.231 | Fuze hole 2-inch No.3 | M. of P. - Obsolescent |
| | 9.2 | B/A | 1½ oz. or 1¼ oz. smoke box. | - do - | - do - | M. of P. - Obsolescent |
| | 9.2 | B/A/A | 5 oz. smoke mixture incorporated in the filling. | - do - | - do - | M. of P. - Obsolescent<br>This M. of P. is a modification of M. of P. DD(L)13005, an "A" Exploder being substituted for the smoke box. |
| | 9.2 | B/A/Z | No. | - do - | - do - | M. of P. - Obsolescent |
| | 6.3 | B/A | No | - do - | Fuze Hole No.13 | Shell Mk.1D and 2D Issued with top Exploder in position. |

l are fitted with an exploder container.
l have a T.N.T. surround.
series consists of 1,000 shell.

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TABLE 2.

SHELL B.L., 7.2-INCH HOWITZER - DIMENSIONS AND WEIGHTS.

| PROJECTILE | LENGTH (INCHES) | DIAMETER (INCHES) BODY (MAX.) | DIAMETER (INCHES) OVER DRIVING BAND | DIAMETER (INCHES) AT BASE | WEIGHT OF BURSTING CHARGE LB OZ DR | |
|---|---|---|---|---|---|---|
| Shell B.L., S/L., H.E., 7.2-inch How. Mk.1D | 34.14 | 7.185 | 7.47 | 5.69 | 27 13 8 (including exploders) | The shell is of four tapers towards the h screwed fuse plate riveted into a recess The head has a rectangular slot and screwthreaded Alternatively the he steel bush, screwthre fuze hole gauge. A copper driving ban groove having five (Single driving ban |
| Shell B.L., S/L., H.E., 7.2-inch How. Mk.2D | 35.07 | 7.185 | 7.47 | 5.76 | 27. 12 4 (including exploders) | The shell is generall differing principally a double copper drivi undercut grooves and in it. |

NOTES: (a) The unit of weight in each case is 2 lb.

(b) The standard weight filled and fuzed in all cases is 200 lb.

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SHELL B.L., 7.2-INCH HOWITZER - DIMENSIONS AND WEIGHTS.

| DIAMETER (INCHES) | | | WEIGHT OF BURSTING CHARGE | REMARKS |
|---|---|---|---|---|
| BODY (MAX.) | OVER DRIVING BAND | AT BASE | LB OZ DR | |
| 7.185 | 7.47 | 5.69 | 27 13 8 (including exploders) | The shell is of forged steel and has a cavity which tapers towards the head and base. A plain or screwed base plate 4.52 inches diameter (max.) is riveted into a recess formed in the base. The head has a radius of 5/10 calibres and is bored out and screwthreaded to the 2-inch fuze hole gauge. Alternatively the head may be fitted with a mild steel bush, screwthreaded internally to the 2-inch fuze hole gauge. A copper driving band is fitted into an undercut groove having five waved ribs formed in it. (Single driving band). |
| 7.185 | 7.47 | 5.76 | 27 12 4 (including exploders) | The shell is generally similar to the Mk.1D, differing principally in the driving band. It has a double copper driving band fitted into two undercut grooves each having two waved ribs formed in it. |

...f weight in each case is 2 lb.

...rd weight filled and fuzed in all cases is 200 lb.

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TABLE 3.

CARTRIDGES B.L., 7.2-INCH HOWITZER.

| CHARGE | MARK | WEIGHT OF PROPELLANT LB OZ DR | ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB | OZ | DR. | DIMENSIONS (INCHES) LENGTH | D |
|---|---|---|---|---|---|---|---|---|---|
| Charge 3 F.N.H.025 and N.H.050 | 1 | 14 13 8 | T-shaped core (forming No.1 section) and two other sections. Ignitor filled 6-oz. G.12 gunpowder. | No.1 Section (F.N.H.025) | 6 | 11 | 0 | 23.25 | 7 |
| | | | | No.2 Section (F.N.H.025) | 2 | 3 | 8 | | |
| | | | | No.3 Section (N.H.050) | 5 | 15 | 0 | | |
| | | | | Total | 14 | 13 | 8 | | |
| Charge 3 F.N.H.025 and 057 | 1 | 16 3 8 | - do - | No.1 Section (F.N.H.025) | 6 | 11 | 0 | 23.25 | 7 |
| | | | | No.2 Section (F.N.H.025) | 2 | 3 | 8 | | |
| | | | | No.3 Section (F.N.H.057) | 7 | 5 | 0 | | |
| | | | | Total | 16 | 3 | 8 | | |
| - do - | 2 | 16 3 8 | Three cylindrical sections tied together. | - do - | | | | 23.25 | 5 |

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CARTRIDGES B.L., 7.2-INCH HOWITZER.

| ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB | OZ | DR | DIMENSIONS (INCHES) LENGTH | DIA. | REMARKS |
|---|---|---|---|---|---|---|---|
| T-shaped core (forming No.1 section) and two other sections. Igniter filled 6-oz. G.12 gunpowder. | No.1 Section (F.N.H.025) | 6 | 11 | 0 | 23.25 | 7.4 | No.1 Section = 1st. Charge |
| | No.2 Section (F.N.H.025) | 2 | 3 | 8 | | | Nos.1 and 2 Sections = 2nd. Charge |
| | No.3 Section (N.H.050) | 5 | 15 | 0 | | | Nos.1, 2 and 3 Sections = 3rd. Charge |
| | Total | 14 | 13 | 8 | | | |
| - do - | No.1 Section (F.N.H.025) | 6 | 11 | 0 | 23.25 | 7.4 | No.1 Section = 1st. Charge |
| | No.2 Section (F.N.H.025) | 2 | 3 | 8 | | | Nos.1 and 2 Sections = 2nd. Charge |
| | No.3 Section (F.N.H.057) | 7 | 5 | 0 | | | Nos.1, 2 and 3 Sections = 3rd. Charge |
| | Total | 16 | 3 | 8 | | | Igniter is made up as part of the cartridge bag and is not required to be marked. |
| Three cylindrical sections tied together. | - do - | | | | 23.25 | 5.75 | - do - |

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TABLE 3. (CONTINUED)

CARTRIDGES B.L., 7.2-INCH HOWITZER.

| CHARGE | MARK | WEIGHT OF PROPELLANT LB | OZ | DR | ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB | OZ | DR | DIMENSIONS (INCHES) LENGTH | DI |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Charge 3<br>F.N.H.025 and<br>F.N.H./P 073 | 1 | 17 | 6 | 8 | T-shaped core (forming No.1 section) and two other sections.<br>Igniter filled 6-oz. G.12 gunpowder. | No.1 Section (F.N.H.025)<br>No.2 Section (F.N.H.025)<br>No.3 Section (F.N.H./P.073)<br>Total | 6<br>2<br>8<br>17 | 11<br>3<br>8<br>6 | 0<br>8<br>0<br>8 | 23.25 | 7. |
| Charge 3<br>W.H.061 | 1 | 11 | 10 | 0 | T-shaped core (forming No.1 section) and two other sections.<br>Igniter B.L., 7.2-inch "A" 6-oz. | No.1 Section<br>No.2 Section<br>No.3 Section<br>Total | 5<br>1<br>4<br>11 | 8<br>11<br>7<br>10 | 0<br>0<br>0<br>0 | 21.75 OR 20.75<br>according to cutting lengths of cordite. | 6.<br>6. |
| Charge 3<br>N.045 | 1 | 13 | 13 | 8 | Cylindrical, three sections tied together,<br>Igniter B.L., 7.2-inch "A" 6-oz. | No.1 Section<br>No.2 Section<br>No.3 Section<br>Total | 6<br>2<br>5<br>13 | 10<br>1<br>2<br>13 | 8<br>0<br>0<br>8 | 19.5 | 5. |

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CARTRIDGES B.L., 7.2-INCH HOWITZER.

| OF ANT DR | ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB | OZ | DR | DIMENSIONS (INCHES) LENGTH | DIA. | REMARKS |
|---|---|---|---|---|---|---|---|---|
| 8 | T-shaped core (forming No.1 section) and two other sections. Igniter filled 6-oz. G.12 gunpowder. | No.1 Section (F.N.H.025) | 6 | 11 | 0 | 23.25 | 7.4 | No.1 Section = 1st. Charge |
| | | No.2 Section (F.N.H.025) | 2 | 3 | 8 | | | Nos.1 and 2 Sections = 2nd. Charge |
| | | No.3 Section (F.N.H./P.073) | 8 | 8 | 0 | | | Nos.1 2, and 3 Sections = 3rd. Charge |
| | | Total | 17 | 6 | 8 | | | Igniter is made up as part of the cartridge bag and is not required to be marked. |
| 0 | T-shaped core (forming No.1 section) and two other sections. Igniter B.L., 7.2-inch "A" 6-oz. | No.1 Section | 5 | 8 | 0 | 21.75 OR 20.75 | 6.1 6.3 | No.1 Section = 1st. Charge |
| | | No.2 Section | 1 | 11 | 0 | | | Nos.1 and 2 Sections = 2nd. Charge |
| | | No.3 Section | 4 | 7 | 0 | according to cutting lengths of cordite. | | Nos.1, 2 and 3 Sections = 3rd. Charge |
| | | Total | 11 | 10 | 0 | | | |
| 8 | Cylindrical, three sections tied together, Igniter B.L., 7.2-inch "A" 6-oz. | No.1 Section | 6 | 10 | 8 | 19.5 | 5.7 | - do - |
| | | No.2 Section | 2 | 1 | 0 | | | |
| | | No.3 Section | 5 | 2 | 0 | | | |
| | | Total | 13 | 13 | 8 | | | |

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TABLE 3. (CONTINUED) CARTRIDGES B.L., 7.2-INCH HOWITZER.

| CHARGE | MARK | WEIGHT OF PROPELLANT LB | OZ | DR | ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB | OZ | DR | DIMENSIONS (INCHES) LENGTH | DI |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Charge 4 N.H.055 | 1 | 23 | 0 | 0 | T-shaped core (forming No.1 section) and three other ring shaped sections. Igniter filled 6-oz. G.12 gunpowder. | No.1 Section | 7 | 11 | 0 | 23.25 | 7. |
| | | | | | | No.2 Section | 3 | 1 | 0 | | |
| | | | | | | No.3 Section | 6 | 4 | 0 | | |
| | | | | | | No.4 Section | 6 | 0 | 0 | | |
| | | | | | | Total | 23 | 0 | 0 | | |
| Charge 4 F.H.H.057 | 1 Foil | 25 | 0 | 0 | Cylindrical bag. Igniter filled 6-oz. G.12 gunpowder at one end only. | - | 25 | 0 | 0 | 23.25 | 7. |
| Charge 4 W.H.T. 316-100 | 1 Foil | 19 | 12 | 0 | Cylindrical bag. Igniter B.L., 7.2-inch "A" 6-oz. at one end only. | - | 19 | 12 | 0 | 21.75 | 5. |
| Charge 4 N/S 198-054 | 1 Foil | 24 | 0 | 0 | Cylindrical bag. Igniter filled 6-oz. G.12 gunpowder at each end. | - | 24 | 0 | 0 | 22.5 | 6. |
| Charge 5 Increment N/S 198-054 | 1 | 7 | 0 | 0 | Cylindrical bag Igniter filled 1-oz. G.12 at one end and Igniter B.L., 7.2-inch How. "C" at opposite end. | - | 7 | 0 | 0 | 9.0 | 5. |

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CARTRIDGES B.L., 7.2-INCH HOWITZER.

| T OF CHARGE | ARRANGEMENT | NOMINAL WEIGHT OF SECTIONS | LB | OZ | DR | DIMENSIONS (INCHES) LENGTH | DIA. | REMARKS |
|---|---|---|---|---|---|---|---|---|
| O... | T-shaped core (forming No.1 section) and three other ring shaped sections. Igniter filled 6-oz. G.12 gunpowder. | No.1 Section | 7 | 11 | 0 | 23.25 | 7.4 | No.1 Section = 1st. Charge |
| | | No.2 Section | 3 | 1 | 0 | | | Nos.1 and 2 Sections = 2nd. Charge |
| | | No.3 Section | 6 | 4 | 0 | | | Nos.1, 2 and 3 Sections = 3rd. Charge |
| | | No.4 Section | 6 | 0 | 0 | | | |
| | | Total | 23 | 0 | 0 | | | Nos.1, 2, 3 and 4 Sections = 4th. Charge (full Charge) |
| O | Cylindrical bag. Igniter filled 6-oz. G.12 gunpowder at one end only. | - | 25 | 0 | 0 | 23.25 | 7.0 | Complete 4th. (Full) Charge, not an increment. Igniter is made up as part of the cartridge bag and is not required to be marked. |
| O | Cylindrical bag. Igniter B.L., 7.2-inch "A" 6-oz. at one end only. | - | 19 | 12 | 0 | 21.75 | 5.75 | Complete 4th. (Full) Charge |
| O | Cylindrical bag. Igniter filled 6-oz. G.12 gunpowder at each end. | - | 24 | 0 | 0 | 22.5 | 6.65 | Complete 4th. (Full) Charge |
| O | Cylindrical bag Igniter filled 1-oz. G.12 at one end and Igniter B.L., 7.2-inch Hew. "C" at opposite end. | - | 7 | 0 | 0 | 9.0 | 5.7 | For use with Charge 4 in Mk.6 Howitzer only. |

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TABLE 4. AMMUNITION B.L., 7.2-INCH HOWITZER - DRILL.

| TYPE | ARRANGEMENT WEIGHT AND DIMENSIONS | DETAILS |
|---|---|---|
| Cartridge Drill B.L., 7.2-inch How. 16-lb. 3-oz. 8-dr. Mk.1 (Charge 3) | Consists of:- lb. oz. dr.<br>Core Section No.1 6 11 0<br>Section No.2 2 3 8<br>Section No.3 7 5 0<br>16 3 8<br><br>Dimensions:-<br>Length:- 23.25 inches<br>Diameter:- 7.4 inches | The core and sections, which are built up of sawdust brought to weight with lead or iron scrap, are each enclosed in a cotton cloth bag, one end of the core bag being fitted with a drill igniter consisting of a felt disc and red cotton cloth discs with rows of stitching.<br>The sections are assembled and tied with their tapes around the stalk of the core, Section No.2 at the base end. Tapes from the core are threaded through fairleads on the sections and tied on top of No.3 Section. |
| Cartridge Drill B.L., 7.2-inch How. 25-lb. Mk.1 (Charge 4) | Consists of a cylindrical bag with dummy igniter at one end.<br><br>Weight:- 25 lb.<br><br>Dimensions:-<br>Length:- 23.25 inches<br>Diameter:- 7.0 inches | The 25-lb. drill cartridge consists of sawdust, brought to weight with lead or iron scrap, contained in a cotton cloth bag choked at the mouth with linen thread and having a drill igniter as described above incorporated at the opposite end. |
| Shell Drill B.L., S/L., 7.2-inch How. Mk.1 | | The drill shell consists principally of a hardwood body, nose plug and four segments. The segments are screwed to the body and plug and a steel plate is screwed to the base. The whole is covered with rawhide stretched on to the shell and laced. Copper tacks further secure the rawhide near the top and base. |

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AMMUNITION T.L., 7.2-INCH HOWITZER - DRILL.

| ENT DIMENSIONS | DETAILS | REMARKS |
|---|---|---|
| lb. oz. dr.<br>.1 6 11 0<br>.2 2 3 8<br>.3 7 5 0<br>16 3 8<br><br>5 inches<br>inches | The core and sections, which are built up of sawdust brought to weight with lead or iron scrap, are each enclosed in a cotton cloth bag, one end of the core bag being fitted with a drill igniter consisting of a felt disc and red cotton cloth discs with rows of stitching.<br>The sections are assembled and tied with their tapes around the stalk of the core, Section No.2 at the base end. Tapes from the core are threaded through fairleads on the sections and tied on top of No.3 Section. | No.1 Section - Represents Service 1st. Charge<br>Nos.1 and 2 - Represent Service 2nd. Charge<br>Nos.1, 2 and 3 Sections - Represent Service 3rd. Charge |
| lindrical bag<br>r at one end.<br><br>lb.<br><br>25 inches<br>0 inches | The 25-lb. drill cartridge consists of sawdust, brought to weight with lead or iron scrap, contained in a cotton cloth bag choked at the mouth with linen thread and having a drill igniter as described above incorporated at the opposite end. | Represents Service Charge 4. |
| | The drill shell consists principally of a hardwood body, nose plug and four segments. The segments are screwed to the body and plug and a steel plate is screwed to the base. The whole is covered with rawhide stretched on to the shell and laced. Copper tacks further secure the rawhide near the top and base. | The shell has the Mark (1), the words "7.2-IN. DRILL", together with the contractor's initials or recognised trade mark and date of completion (month and year) stamped on the side. |

TABLE 5. DETAILS OF COMPONENTS.

Grummets.

The following grummets are approved for use with projectiles B.L., 7.2-inch Howitzer:-

(a) Grummets, Projectile, Single, B.L., 7.2-inch How. Mk.1 -

For use with projectiles having a single driving band.

(b) Grummets, Projectile, Sets, Double, B.L., 7.2-inch How. Mks. 1 and 2. -

For use with projectiles having either a single or double driving band.

(c) Grummets, Projectile, Sets, Treble, B.L., 7.2-inch How. Mks. 1 and 2. -

For use with projectiles having a double driving band.

Tubes.

The following tubes are approved for use with B.L., 7.2-inch Howitzer equipment:-

Tubes P.S.A. Cartridge 0.303-inch Marks 2, 3A, 4A and 5.

PACKING OF TUBES P.S.A. CARTRIDGE 0.303-INCH.

| BOX NUMBER | CONTENTS | INNER PACKAGE | DIMENSIONS (INCHES) | | | FILLED WEIGHT (LBS) |
|---|---|---|---|---|---|---|
| | | | LENGTH | HEIGHT | WIDTH | |
| T.3 | 200 | 20 in tinned plate box No.380 | 15.25 | 4.25 | 7.35 | 12.4 |
| B.3 | 360 | | 9.375 | 6.625 | 10.25 | |

Gauges.

Gauges, Shell B.L., 7.2-inch How.

| | | | V.A.O.S. Section U |
|---|---|---|---|
| No.888 | - Zahn Low | 7.45 inches Mk.1 | C.M.4362 |
| No.889 | - Band High | 7.49 inches Mk.1 | C.M.4361 |
| No.890 | - Body | 7.195 inches Mk.1 | C.M.4363 |

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TABLE 6.

CARTRIDGES B.L., 7.2-INCH HOWITZER - PACKAGES.

| DESIGNATION | FOX SERIAL NUMBER | TYPE | NUMBER PACKED | LIFER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT LBS. | MEASUREMENT TONNAGE FT |
|---|---|---|---|---|---|---|---|---|---|
| Charge 5 14-lb. 13-oz. 8-dr. F.N.H. and M.H. | C.238 Mk.1 | Steel | 1 | Container Otge. 60 with Liner No.1 | 26.1 | 10.1 | 9.6 | | |
| - do - | C.238 Mk.2 | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | |
| - do - | Container C.269 | Paper, tinned plate ends | 1 | | 24.6 | 8.5 (diameter) | | 23.5 | |
| Charge 3 16-lb. 3-oz. 8-dr. F.N.H. | Container C.269 | - do - | 1 | | - | -do- | - | 4.6 | 1 |
| - do - | C.238 Mk.1 | Steel | 1 | Container Otge. No. 60 with Liner No.1 | 26.1 | 10.1 | 9.6 | 45.25 | |
| - do - | C.238 Mk.2 | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | |

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CARTRIDGES B.L., 7.2-INCH HOWITZER - PACKAGES.

| E | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT LBS. | MEASUREMENT TONNAGE FT | IN | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| eel | 1 | Container Ctge.No. 60 with Liner No.1 | 26.1 | 10.1 | 9.6 | | | | (1) Container Ctge.C.269 Mk.1 had a restricted use as a package for early production of these cartridges. |
| ood | 1 | - do - | 25.9 | 10.1 | 9.6 | | | | (2) Container Ctge.C.269 Mk.1. Cylindrical paper body and tinned plate ends. The lid is fastened by two lengths of webbing and fitted with a quick release buckle. The cylinder is coated internally and externally with paraffin wax. |
| per, nned ate ng | 1 | | 24.6 | 8.5 (diameter) | | 23.5 | | | |
| do - | 1 | | - | -do- | - | 46 | 1 | 1 | (3) Box Ammn. Steel C.238 Mk.1 is now obsolescent. |
| teel | 1 | Container Ctge. No. 60 with Liner No.1 | 26.1 | 10.1 | 9.6 | 45.25 | | | (4) Box Ammn. Steel C.238 Mk.2 is similar to Mk.1, differing chiefly in the omission of the bottom, sides and lid stiffening plates. |
| teel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | | (5) Container Ctge. No.60. Rolled paper with tinned plate ends. Dimensions:- Length:- 23.875 inches Diameter:- 8.2 inches |

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TABLE 6. (CONTINUED) CARTRIDGES F.L., 7.2-INCH HOWITZER - PACKAGES.

| DESIGNATION | BOX SERIAL NUMBER | TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT LBS. | MEASUREMENT TONNAGE FT | IN |
|---|---|---|---|---|---|---|---|---|---|---|
| Charge 3<br>17-lb. 6-oz. 8-dr.<br>F.N.H. and F.N.H./P. | C.238<br>Mk.1 | Steel | 1 | Container<br>Ctge. No.<br>60 with<br>Liner<br>No.1 | 26.1 | 10.1 | 9.6 | 46.5 | | |
| - do - | C.238<br>Mk.2 | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | |
| Charge 3<br>11-lb. 10-oz. W.M. | C.238<br>Mk.1 | Steel | 1 | Container<br>Ctge. No.<br>60 with<br>Liner<br>No.3 | 26.1 | 10.1 | 9.6 | 40.75 | | |
| - do - | C.238<br>Mk.2 | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | |
| Charge 3<br>13-lb. 13-Oz. 8-dr.<br>N. | C.238<br>Mk.1 | Steel | 1 | Container<br>Ctge. No.<br>60 with<br>Liner<br>No.3 | 26.1 | 10.1 | 9.6 | | | |
| - do - | C.238<br>Mk.2 | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | |

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(UED)

CARTRIDGES R.L., 7.2-INCH HOWITZER - PACKAGES.

| AL ER | TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT LBS. | MEASUREMENT TONNAGE FT | IN | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | Steel | 1 | Container Ctge. No. 60 with Liner No.1 | 26.1 | 10.1 | 9.6 | 46.5 | | | |
| | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | | |
| | Steel | 1 | Container Ctge. No. 60 with Liner No.3 | 26.1 | 10.1 | 9.6 | 40.75 | | | |
| | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | | |
| | Steel | 1 | Container Ctge. No. 60 with Liner No.3 | 26.1 | 10.1 | 9.6 | | | | |
| | Steel | 1 | - do - | 25.9 | 10.1 | 9.5 | | | | |

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TABLE 6. (CONTINUED) CARTRIDGES B.L., 7.2-INCH HOWITZER - PACKAGES.

| DESIGNATION | BOX SERIAL NUMBER | TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT LBS. | MEASUREMENT TONNAGE FT | IN |
|---|---|---|---|---|---|---|---|---|---|---|
| Charge 4 23-lb. N.H. | Container C.269 | Paper with tinned plate ends | 1 | - | 24.6 | 8.5 (diameter) | | 34 | 1 | 1 |
| - do - | C.238 Mk.1 | Steel | 1 | | 26.1 | 10.1 | 9.6 | 53 | | |
| - do - | C.238 Mk.2 | Steel | 1 | | 25.9 | 10.1 | 9.6 | 56 | 1 | 5.43 |
| Charge 4 25-lb. F.N.H. | Container C.269 | Paper with tinned plate ends | 1 | | 24.6 | 8.5 (diameter) | | 55 | | |
| - do - | C.238 Mk.1 | Steel | 1 | Container Ctge. No. 60. with Liner No.2 | 26.1 | 10.1 | 9.6 | 54.25 | | |
| - do - | C.238 Mk.2 | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | |

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CARTRIDGES B.L., 7.2-INCH HOWITZER - PACKAGES.

| TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT LBS. | MEASUREMENT TONNAGE FT | IN | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| Paper with tinned plate ends | 1 | - | 24.6 | 8.5 (diameter) | | 34 | 1 | 1 | |
| Steel | 1 | | 26.1 | 10.1 | 9.6 | 53 | | | |
| Steel | 1 | | 25.9 | 10.1 | 9.6 | 56 | 1 | 5.43 | |
| Paper with tinned plate ends | 1 | | 24.6 | 8.5 (diameter) | | 55 | | | |
| Steel | 1 | Container Ctge. No. 60. with Liner No.2 | 26.1 | 10.1 | 9.6 | 54.25 | | | |
| Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | | |

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TABLE 6. (CONTINUED)

CARTRIDGES B.L., 7.2-INCH HOWITZER - PACKAGES.

| DESIGNATION | BOX SERIAL NUMBER | TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT LBS. | MEASUREMENT TONNAGE FT | IN |
|---|---|---|---|---|---|---|---|---|---|---|
| Charge 4 19-lb. 12-oz. W.M.T. | C.238 Mk.1 | Steel | 1 | Container Ctge. No. 60 with Liner No.3 | 26.1 | 10.1 | 9.6 | 49 | | |
| - do - | C.238 Mk.2 | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | |
| Charge 4 24-lb. N/S | C.238 Mk.1 | Steel | 1 | Container Ctge. No. 60 with Liner No.2 | 26.1 | 10.1 | 9.6 | | | |
| - do - | C.238 Mk.2 | Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | |
| Charge 5 Increment 7-lb. N/S | Container Packing No.91 | Paper with steel ends | 2 | | 27.75 | 8.625 (diameter) | | | | |
| - do - | Cylinder Ctge. No.34 | Steel | 2 | | 27.2 | 8.3 (diameter) | | | | |

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CARTRIDGES B.L., 7.2-INCH HOWITZER - PACKAGES.

| TYPE | NUMBER PACKED | INNER PACKAGE | DIMENSIONS (INCHES) LENGTH | BREADTH | DEPTH | FILLED WEIGHT LBS. | MEASUREMENT TONNAGE FT IN | REMARKS |
|---|---|---|---|---|---|---|---|---|
| Steel | 1 | Container Ctge. No. 60 with Liner No.3 | 26.1 | 10.1 | 9.6 | 49 | | |
| Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | |
| Steel | 1 | Container Ctge. No. 60 with Liner No.2 | 26.1 | 10.1 | 9.6 | | | |
| Steel | 1 | - do - | 25.9 | 10.1 | 9.6 | | | |
| Paper with Steel Ends | 2 | | 27.75 | 8.625 (diameter) | | | | |
| Steel | 2 | | 27.2 | 8.3 (diameter) | | | | |

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

TABLE 7.

AMMUNITION B.L., 7.2-INCH HOW. - STORAGE CLASSIFICATIONS

| STORE | FIELD STORAGE CATEGORY | GROUP CLASSIFICATION | CATEGORY FOR SAFETY DISTANCE | FIRE RISK CLASS | SEA STOWAGE | REMA |
|---|---|---|---|---|---|---|
| Cartridges B.L., 7.2-inch How. | B | III | Y | 2 | | Each nature will be sort shown below:- B.L., Shell: Type of fil Type of sho Series fill Weight mark B.L., cartridges: Charge (Full Type of prope Propellant lo Tubes: Type Lot number |
| Shell B.L., H.E., 7.2-inch How. | B | V | Z | 3 | | |
| Tubes P.3.A. 0.303-inch | E | VI | X | 3 | O.A.S. | |

It should be noted that B. priority for covered stor para. 90.)

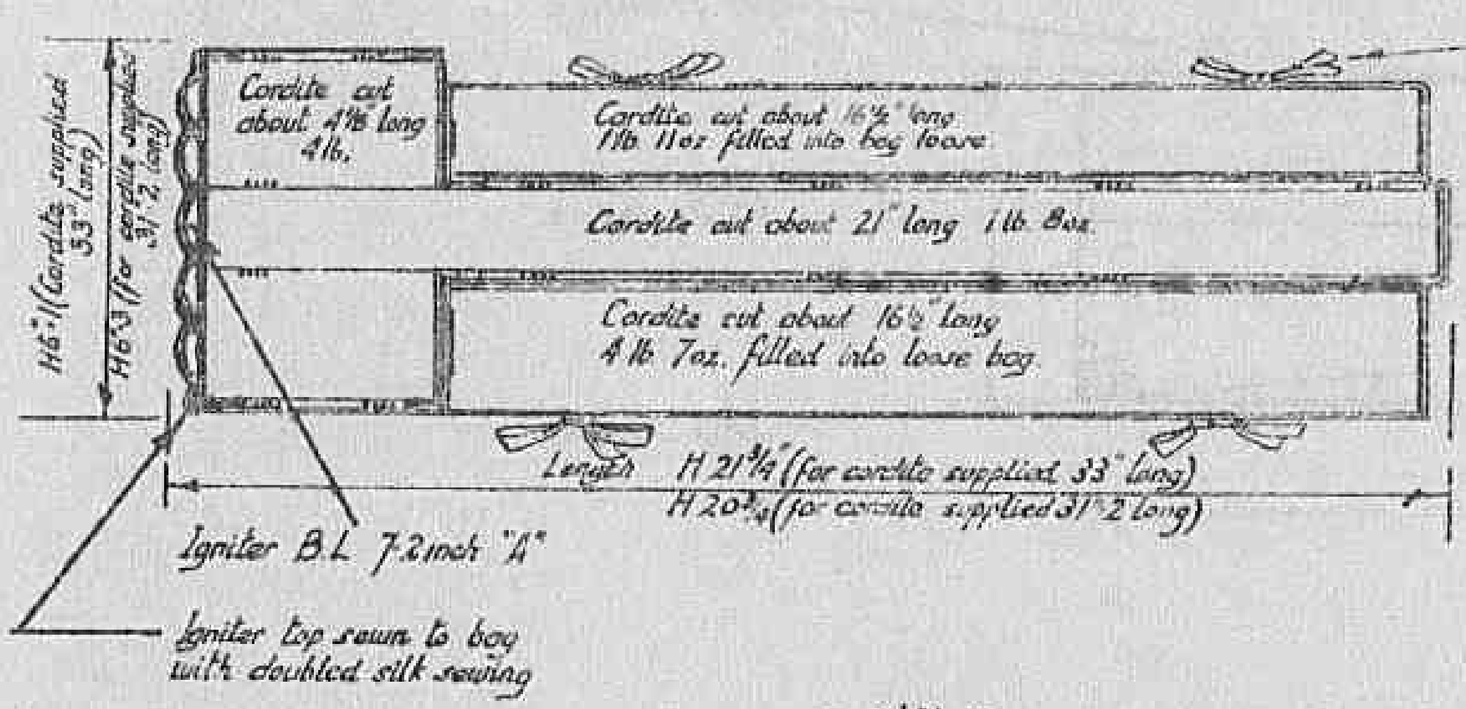
Unclassified E.O. 12065 Section 3-402/NNDC NO. 785020

AMMUNITION B.L., 7.2-INCH HOW. - STORAGE CLASSIFICATIONS

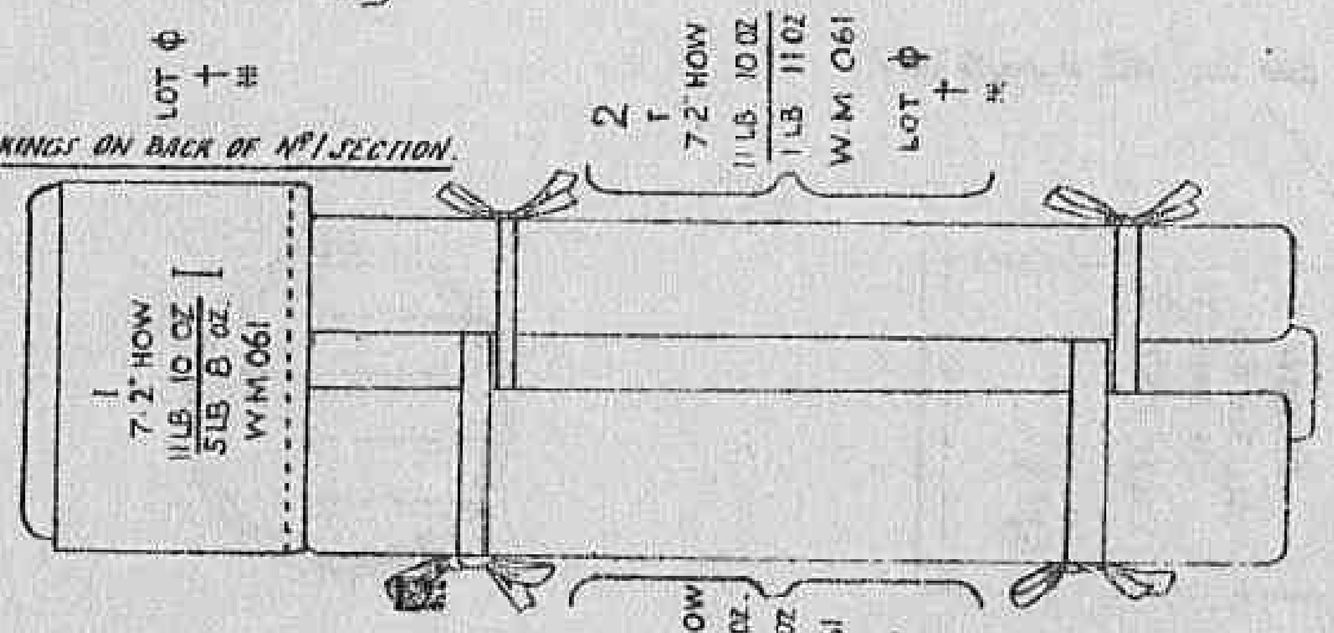
| GROUP SIFICATION | CATEGORY FOR SAFETY DISTANCE | FIRE RISK CLASS | SEA STOWAGE | REMARKS |
|---|---|---|---|---|
| III | Y | 2 | | Each nature will be sorted into sub-divisions as shown below:-<br><br>B.L., Shell: Type of filling (particular reference to overseas markings)<br><br>Type of shell<br>Series filled lot<br>Weight markings<br><br>B.L., cartridges:<br><br>Charge (Full, super, reduced, half etc.)<br>Type of propellant<br>Propellant lot number<br><br>Tubes: Type<br>Lot number<br><br>It should be noted that B.L., cartridges have priority for covered storage (see R.A.O.S. Part 6, para. 90.) |
| V | Z | 3 | | |
| VI | X | 3 | O.A.S. | |

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

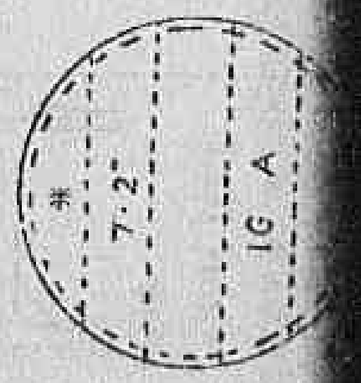
# CARTRIDGE B.L., 7·2 in HOW., 1 lb. 10 oz. CORD W.M. 061, Mk. I.




MARKINGS ON BACK OF No 1 SECTION.




ELEVATION SHOWING MARKINGS

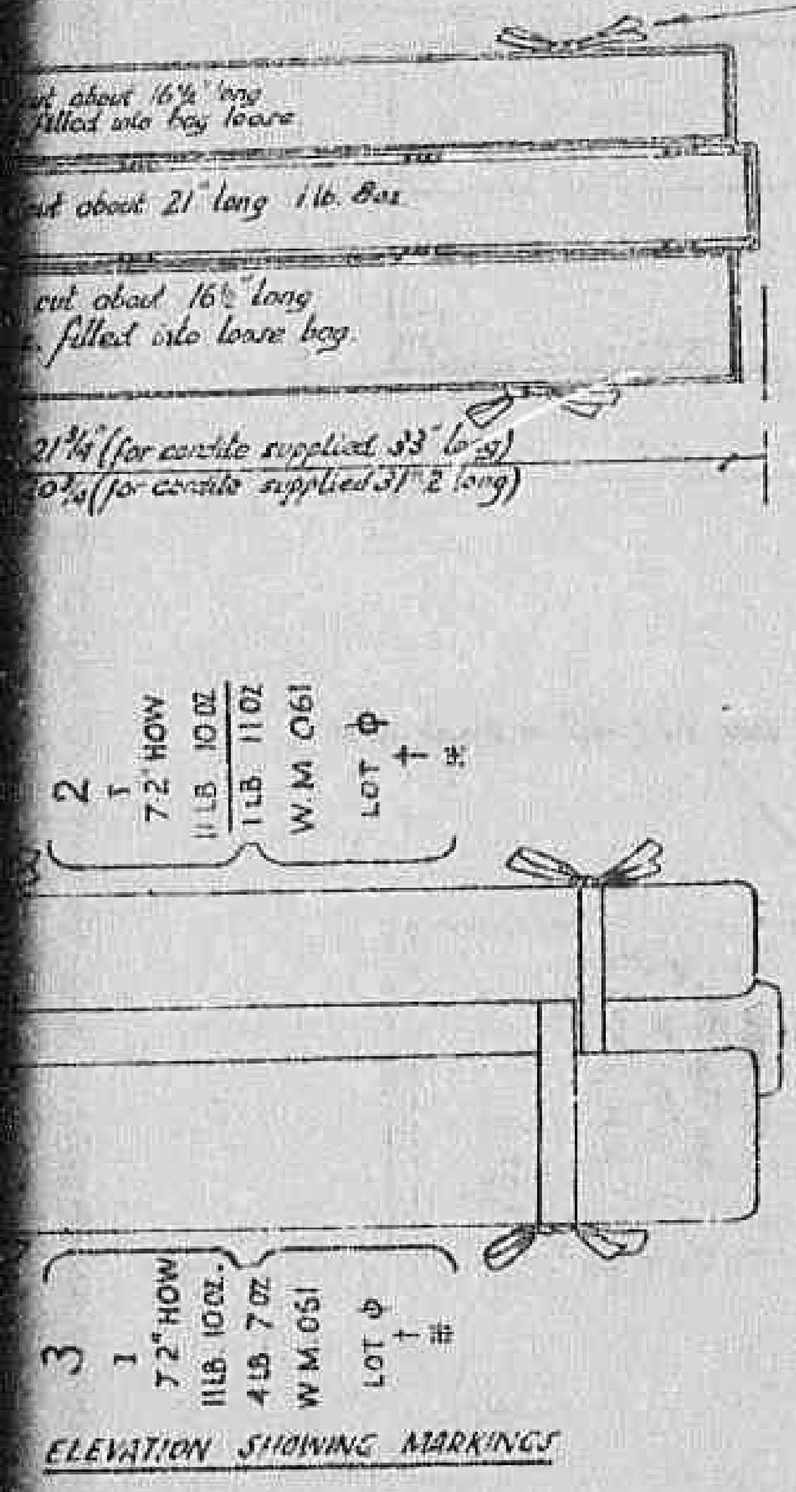



G 911

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

# B.L. 7·2 in HOW. 1 lb. 10 oz. CORDITE W.M. 061, Mk. 1.

FIG. 1



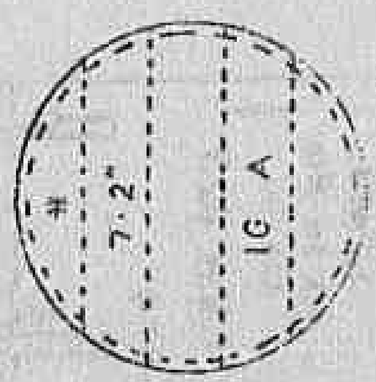

ELEVATION SHOWING MARKINGS

* Centre dots indicate or recognised trade mark for empty igniter

Φ Lot No of cordite.

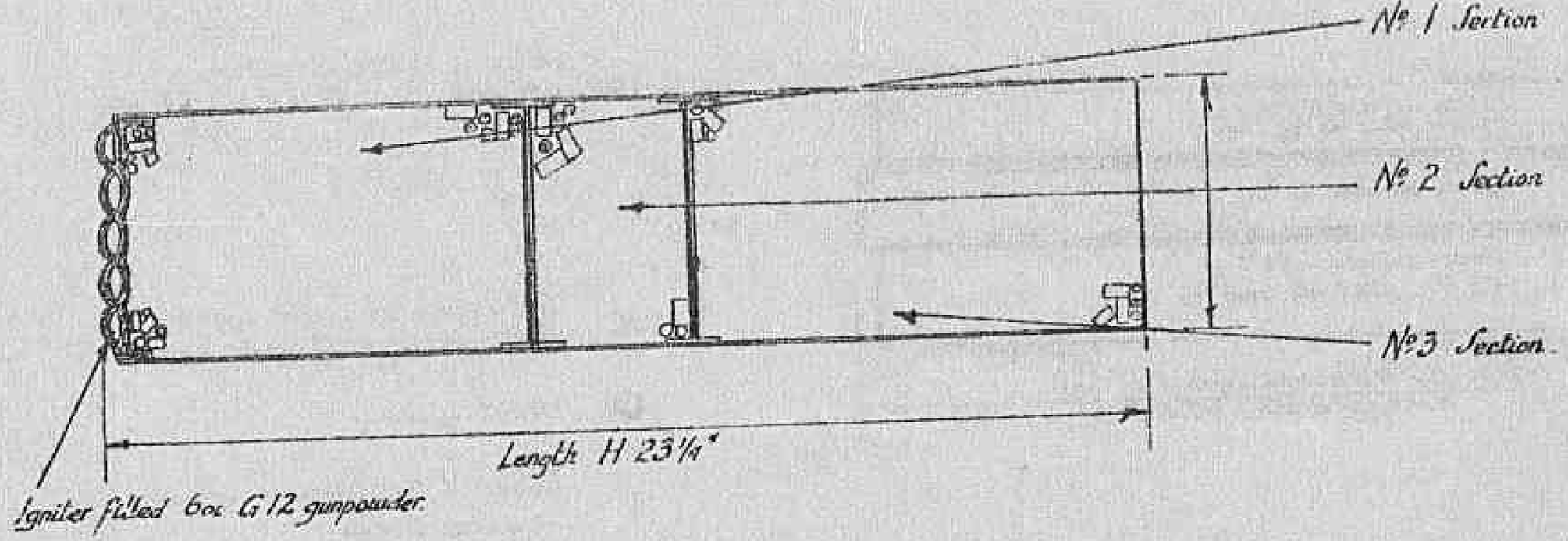
† Initials of firm filling or monogram of filling station.

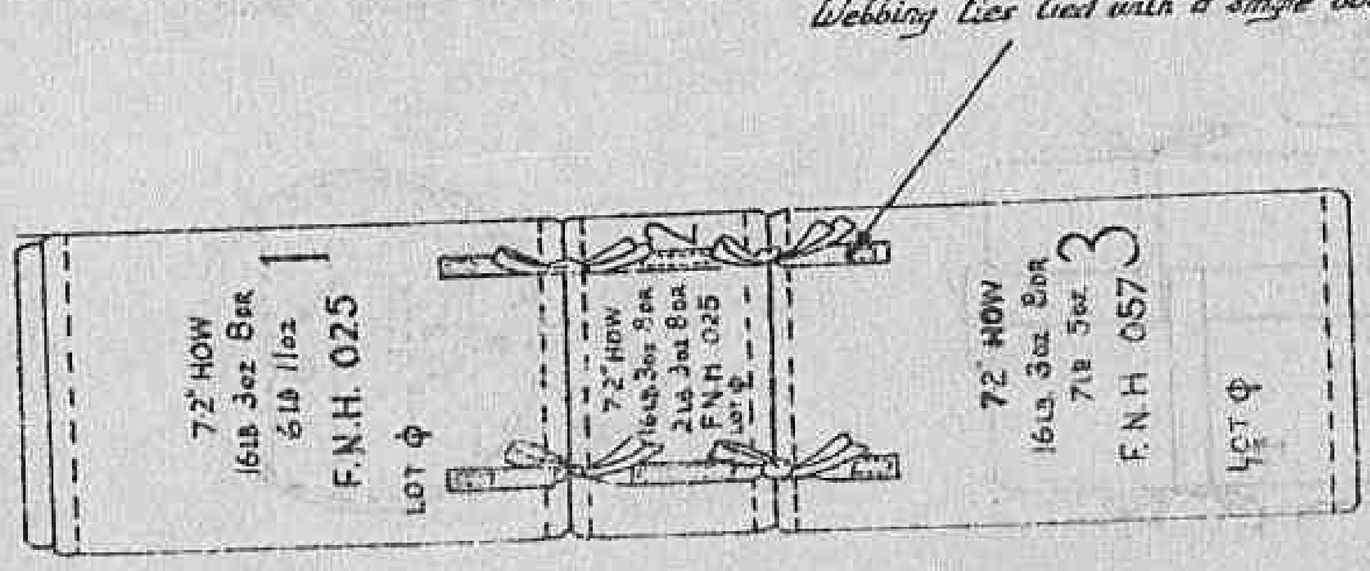
‡ Date of filling (Month and Year)



Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# CARTRIDGE. BL., 72 in. HOW 16 LB. 3 OZ. 8 DR. FNH
# E 057. Mk. 2.

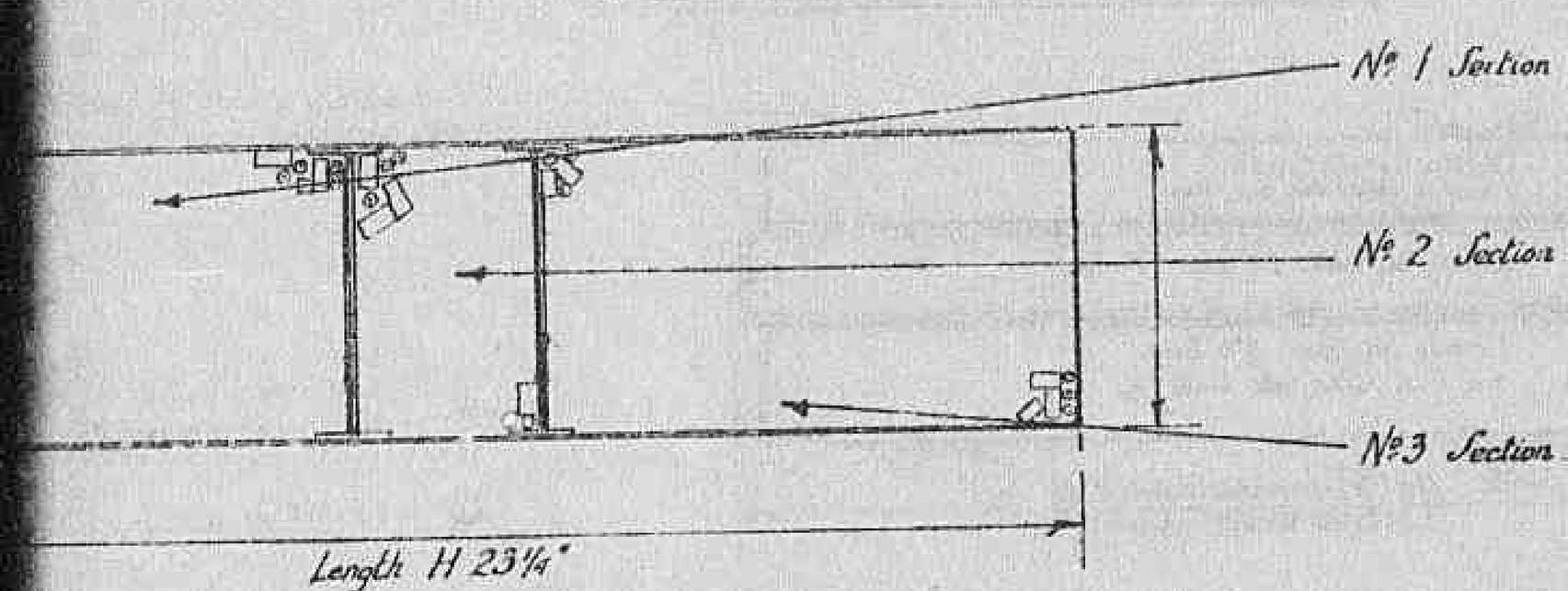


Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

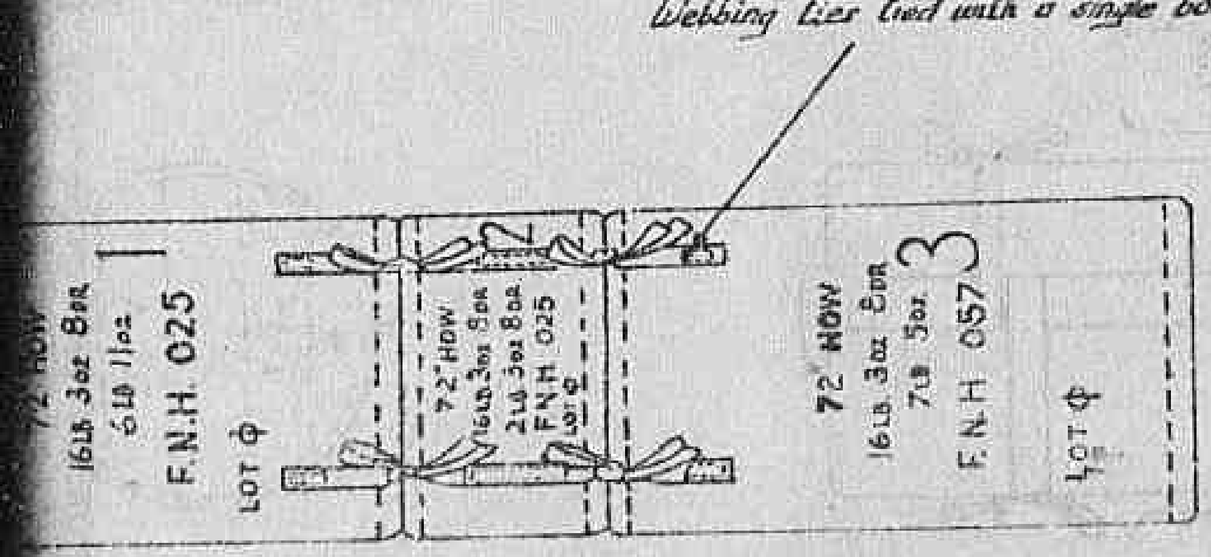
# DGE. BL. 72 in. HOW 16 LB. 3 OZ. 8 DR. FNH. 025
# E 057. Mk. 2.

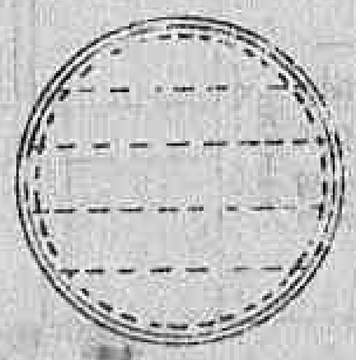
FIG. 2.




12 gunpowder.

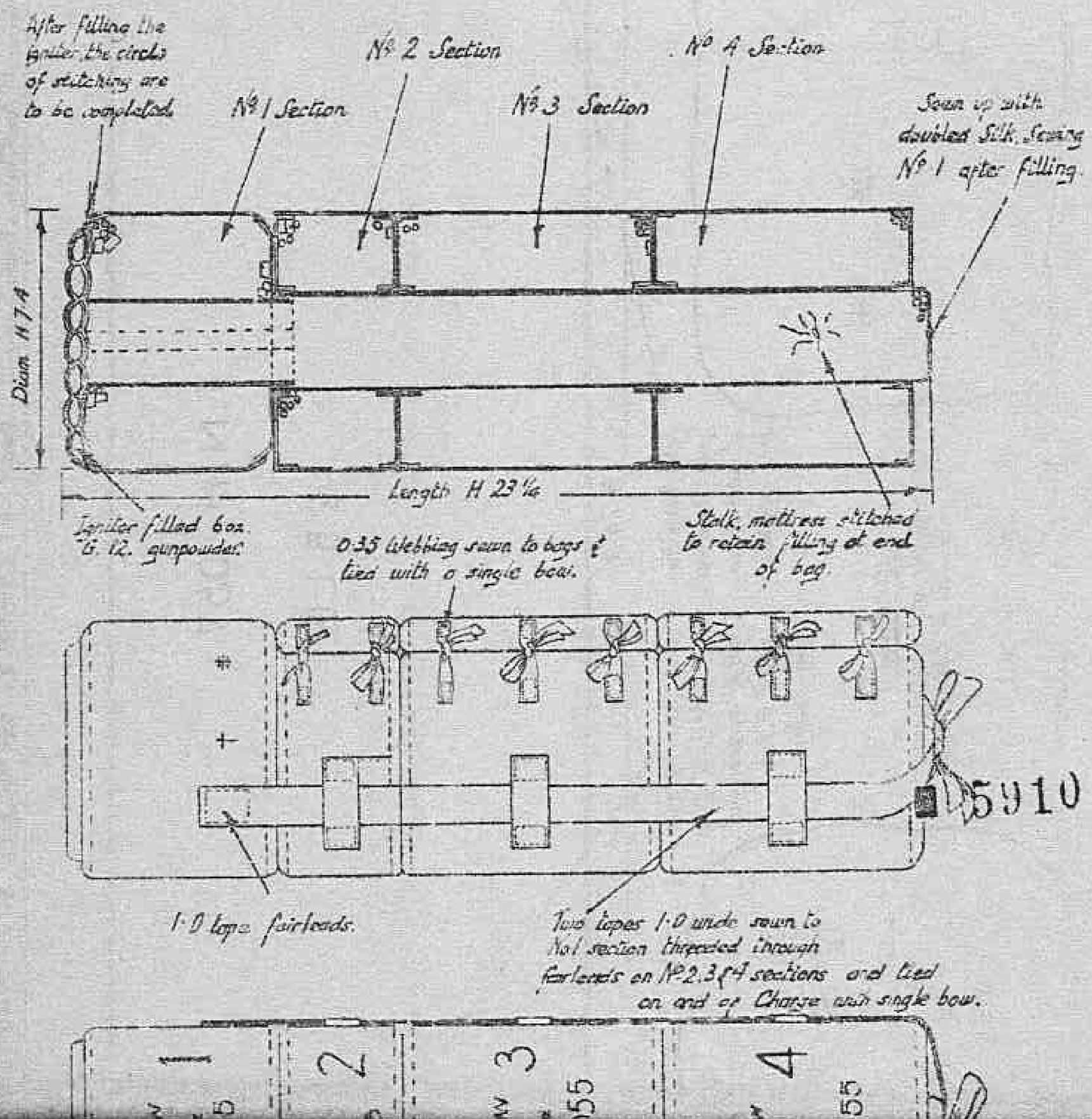
Webbing ties tied with a single bow.



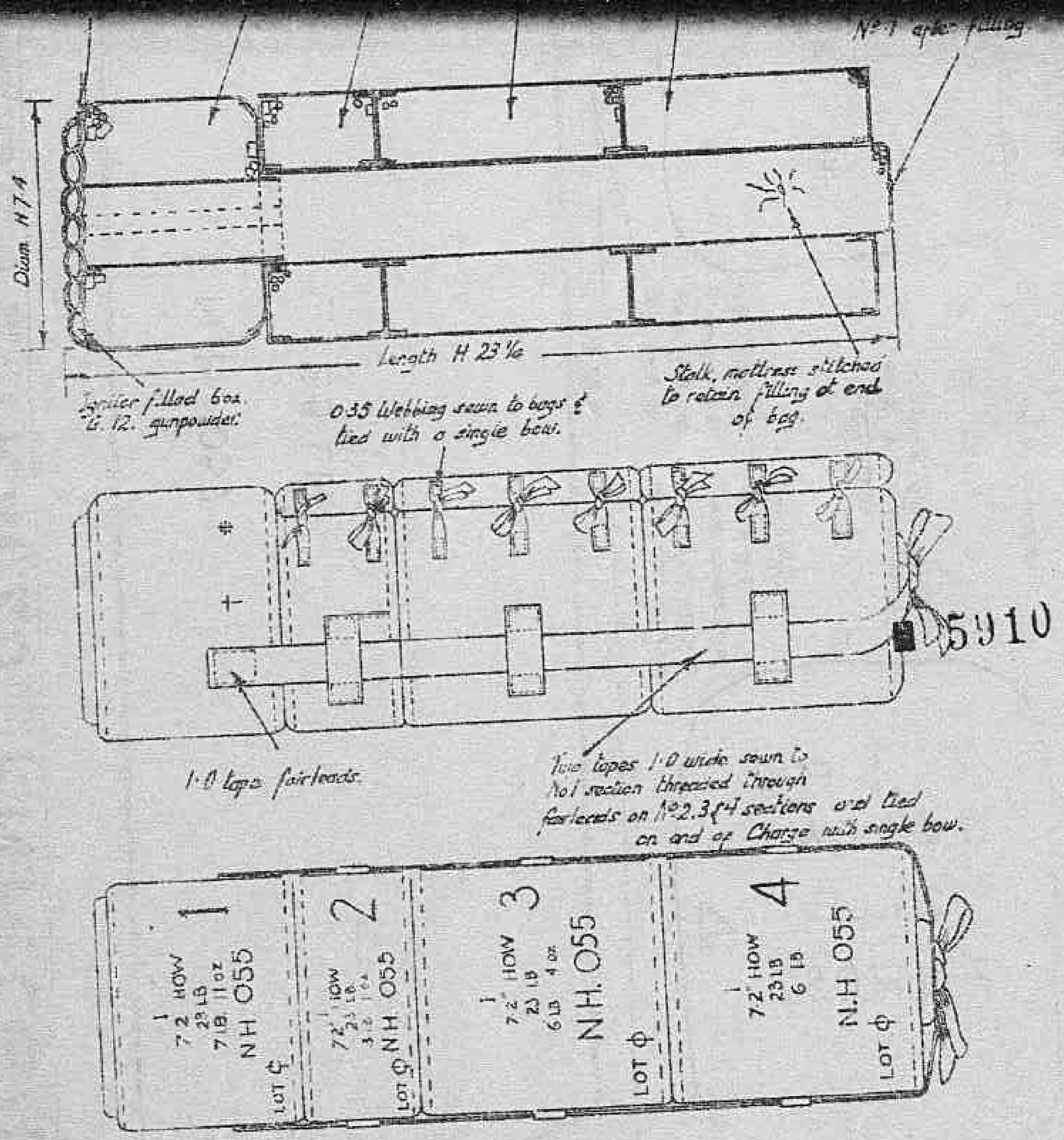
# CARTRIDGE, B.L., 7·2 in. HOW.
# 23lb. N.H. 055, Mk.I.

FIG. 3.

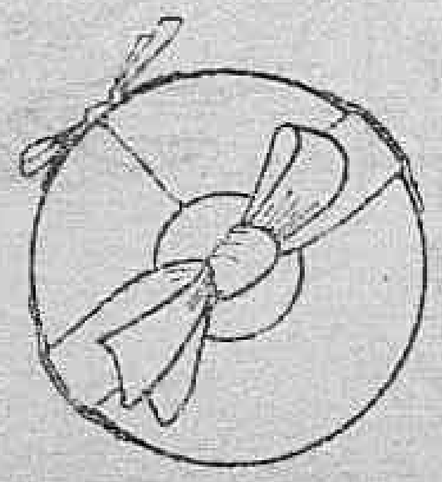



5910

Declassified E.O. 12065 Section 3-402/NNDq No. 785020




ELEVATION SHOWING MARKING



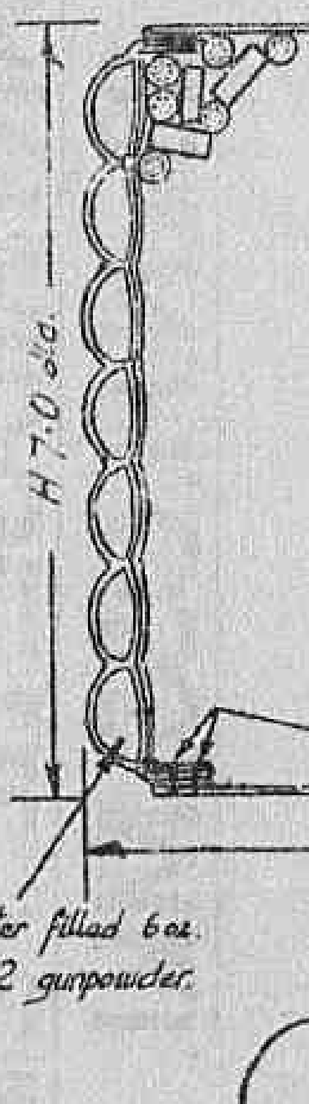
Declassified E.O. 12065 Section 3-402/NNDS No. 7850220

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

# CARTRIDGE, B.L., 7·2 in. HOW., 25 LB. F.N.H.

F.N.H. 057

25 LB.










MARKING ON BACK OF CARTRIDGE

MARKINGS.

* Initials of firm filling or monogram of filling station.

‡ Date of filling

Φ Lot No. of propellant

Type one size of position 3 size to Metal Type.

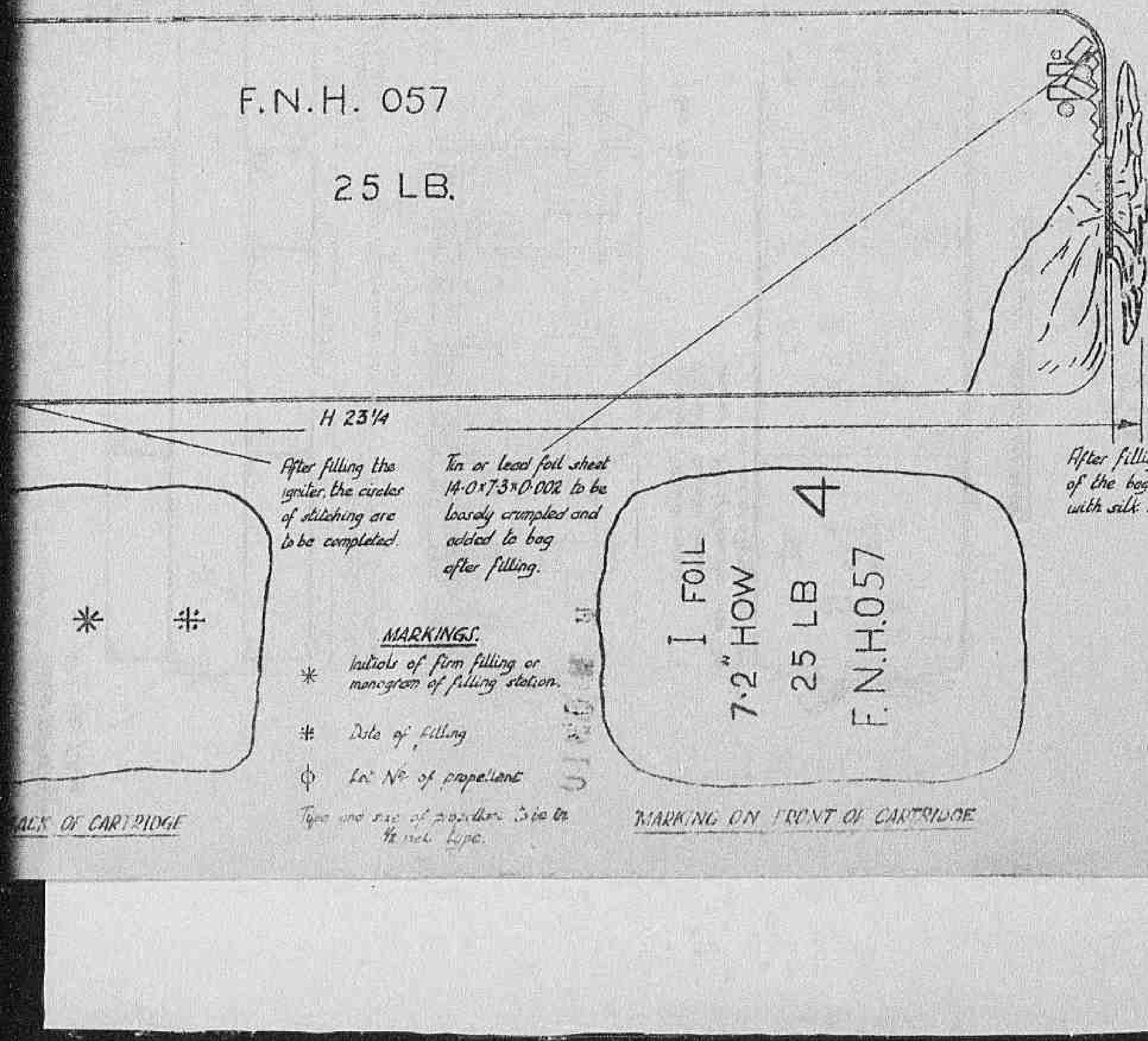



MARKING ON FRO

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# GE.B.L. 7·2 in. HOW. 25 LB. F.N.H. 057, Mk I. FOIL.

FIG. 4

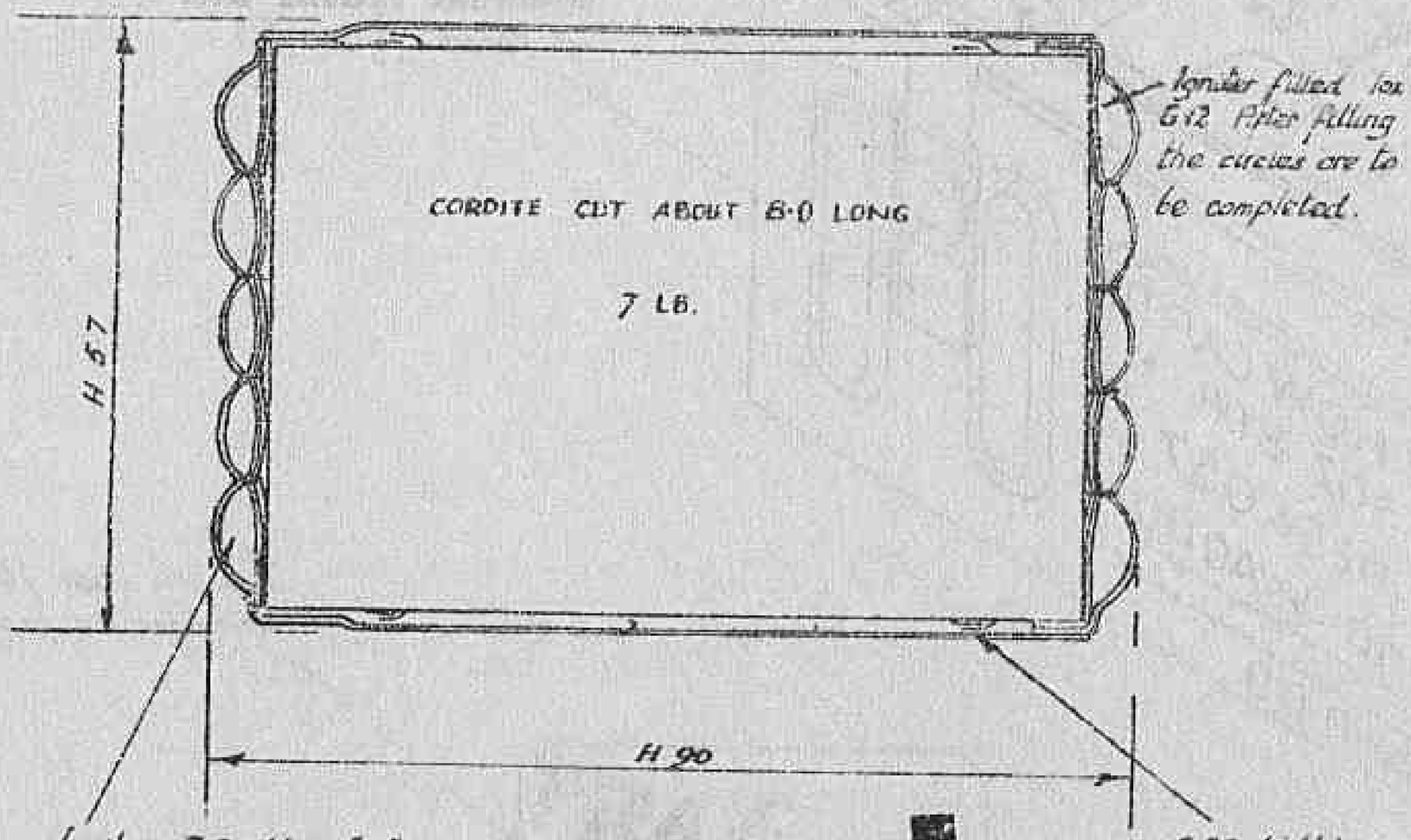


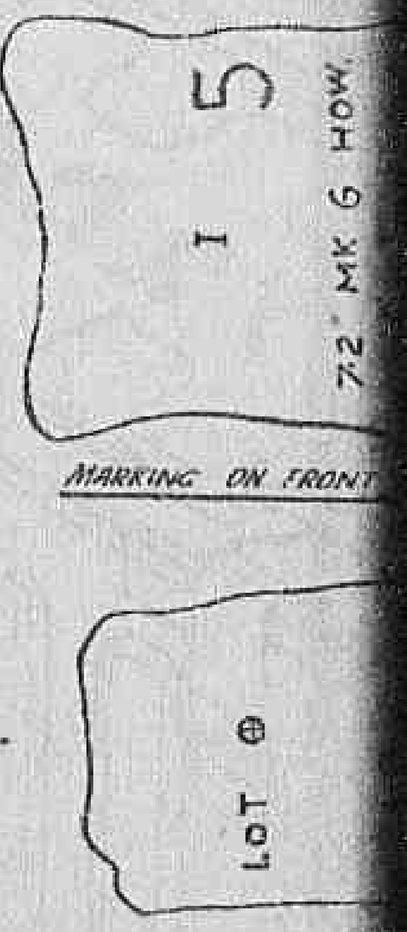
Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# CARTRIDGE B.L. 72 HOW. CORDITE N/S

# CHARGE 5 INCREMENT. CHARGE

Cordite supplied 24.0 long



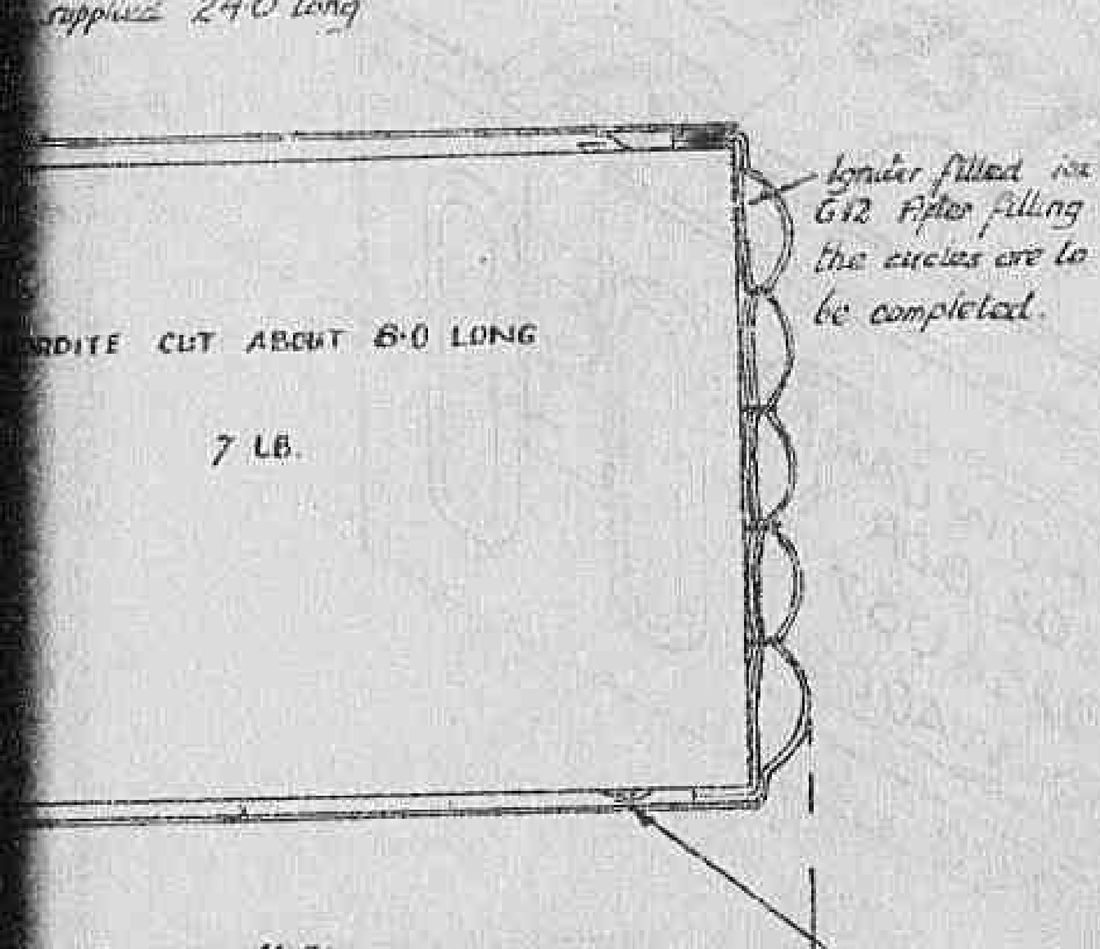

6069

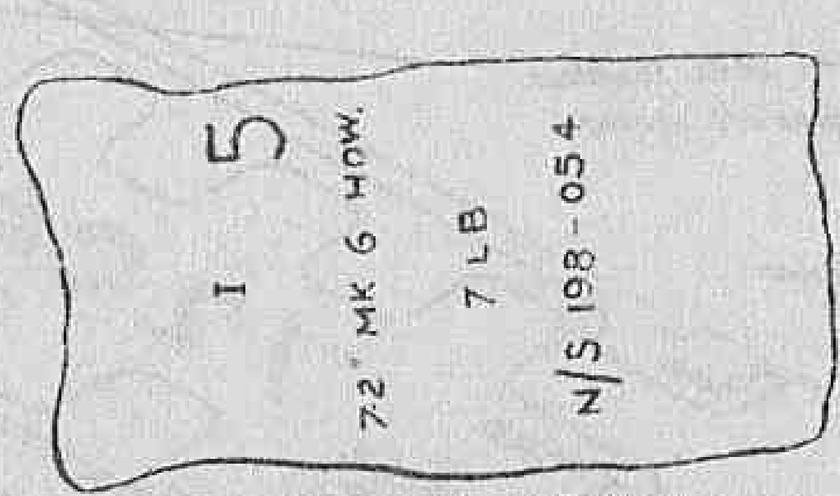
Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# BL. 72 HOW. CORDITE N/S 198-054.
# SE 5 INCREMENT. CHARGE 7 LB. Mk. I.

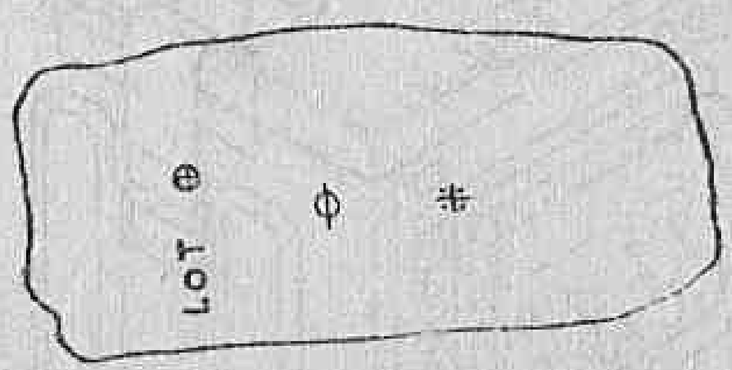
FIG. 5.

supplied 240 long



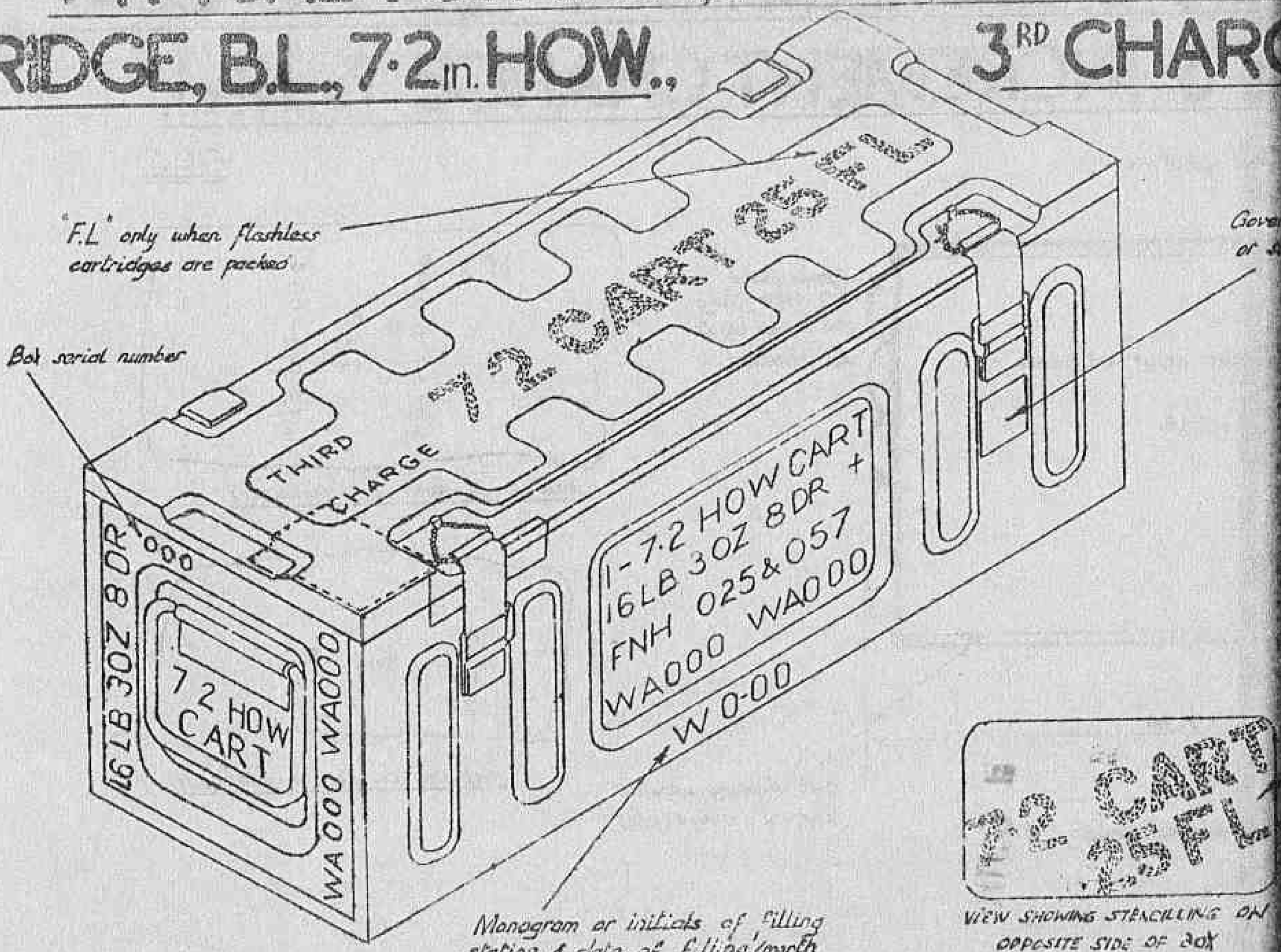

MARKING ON FRONT OF CARTRIDGES




MARKING ON BACK OF CARTRIDGE

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# TYPICAL FOR BOX, STEEL, C 238, CONGRIDGE, B.L., 7·2 in. HOW., 3RD CHARGE




"F.L" only when flashless cartridges are packed

Bot serial number

Monogram or initials of filling station & date of filling (month & year).

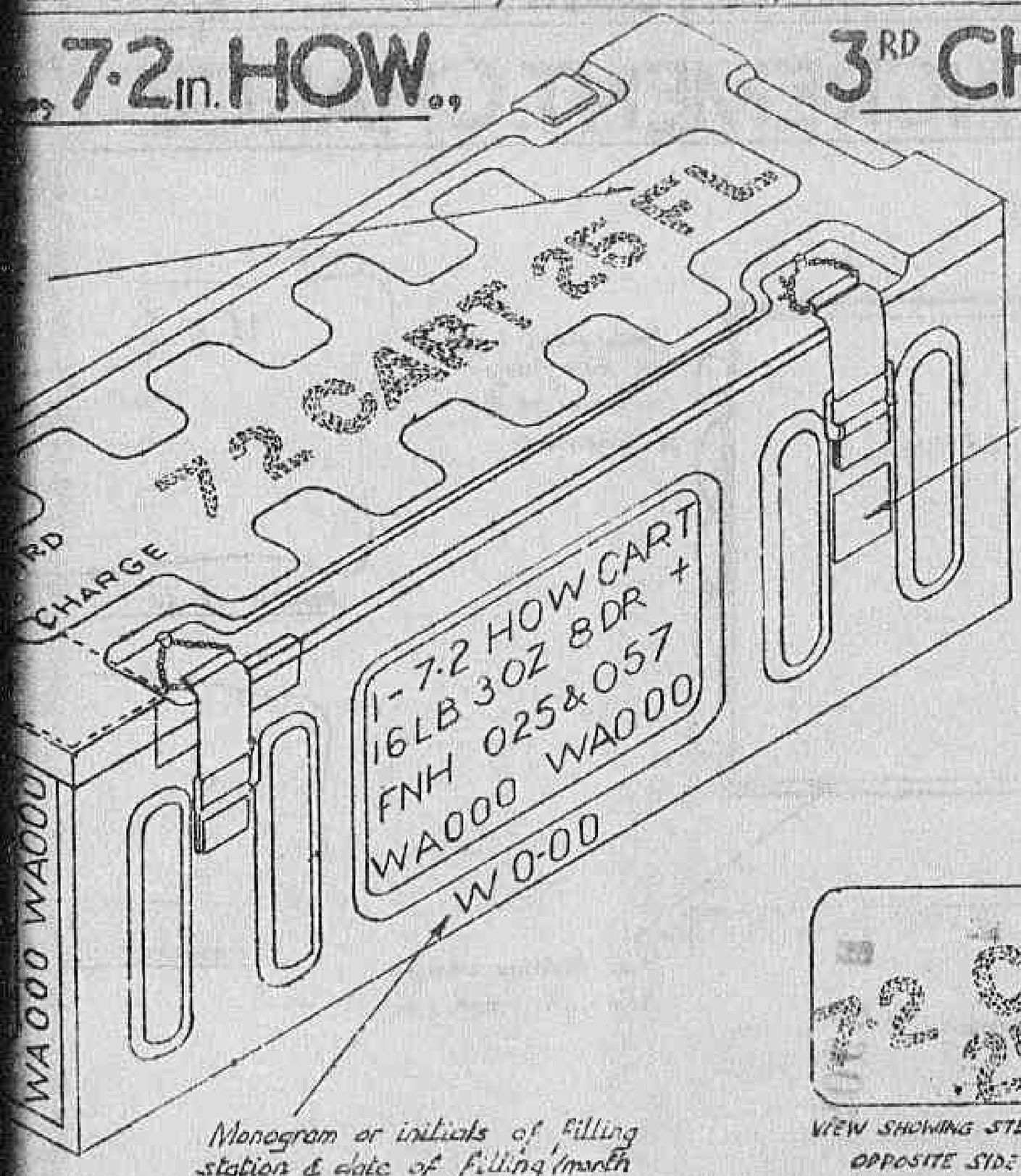


VIEW SHOWING STENCILLING ON OPPOSITE SIDE OF BOX

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

# L FOR BOX, STEEL, C238, CONTAINING CART.
# ,, 7·2 in. HOW.,, 3RD CHARGE, F.N.H.

FIG 6




Government explosive label or stencil (Group III)

"F L" only when flashless cartridges are packed




VIEW SHOWING STENCILLING ON OPPOSITE SIDE OF BOX

Monogram or initials of filling station & date of filling (month & year).

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# TYPICAL FOR CONTAINER, CARTRID

## 7·2 in. HOW.

Before fastening buckles, junction of lid and body to be banded with tape shellacked to form a watertight joint. Tape not to be less than 2·0" wide and 1·0" overlap.

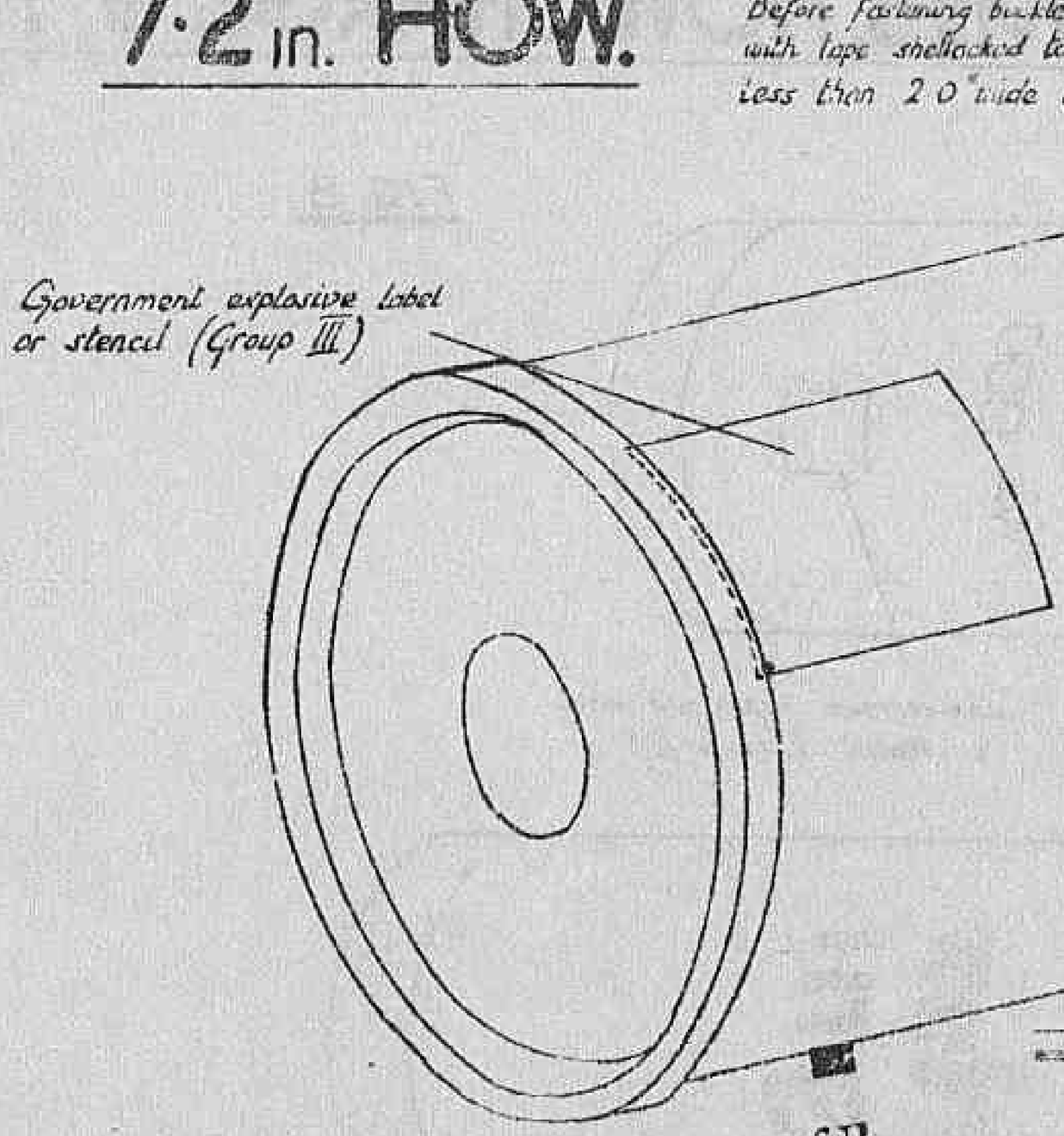
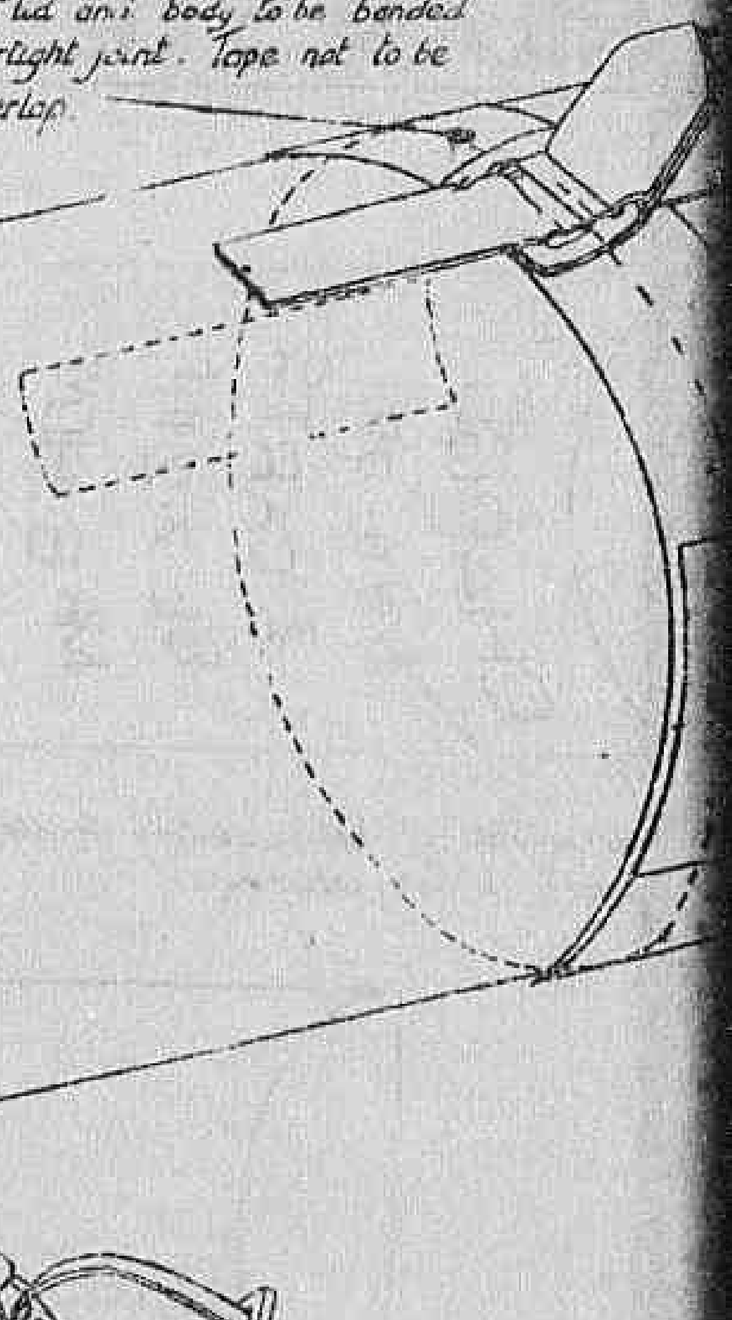



FIG 7



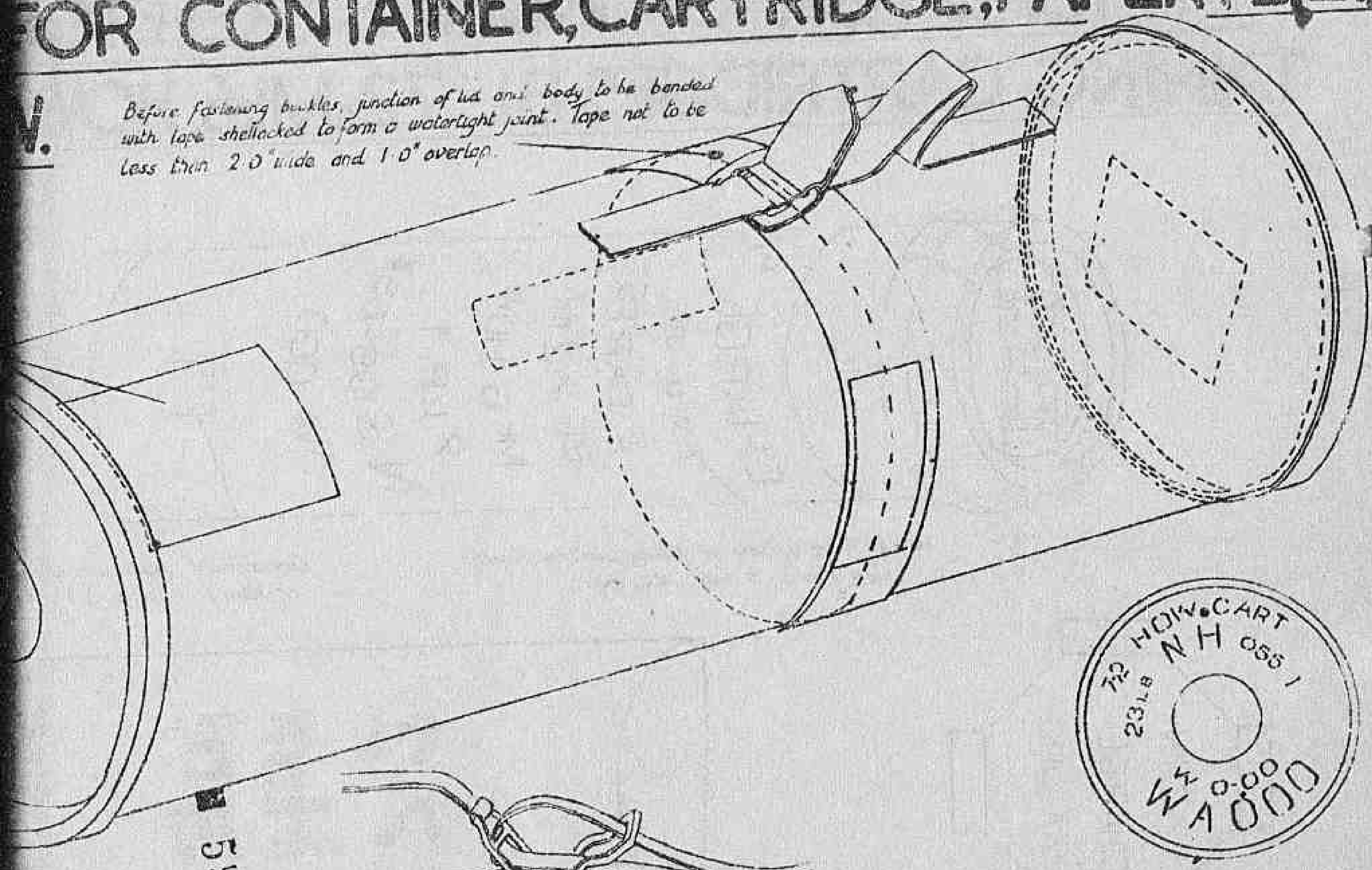
VIEW SHEWING METHOD OF FASTENING BUCKLE.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

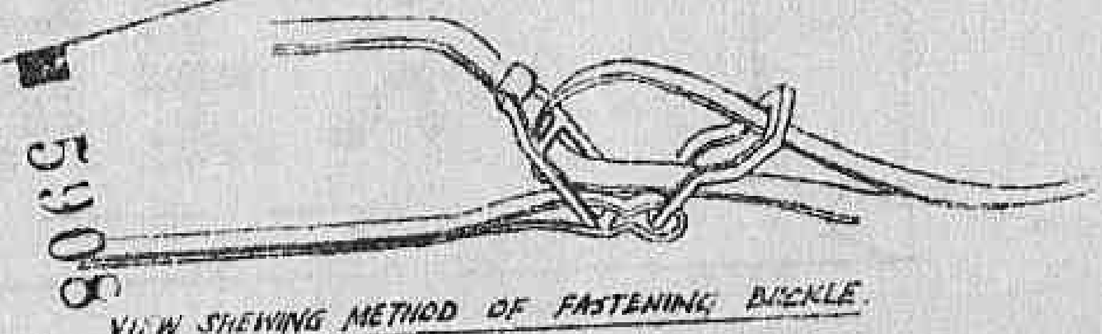
# FOR CONTAINER, CARTRIDGE, PAPER, B.L.

W.

Before fastening buckles, junction of lid and body to be banded with tape shellacked to form a watertight joint. Tape not to be less than 2·0" wide and 1·0" overlap.



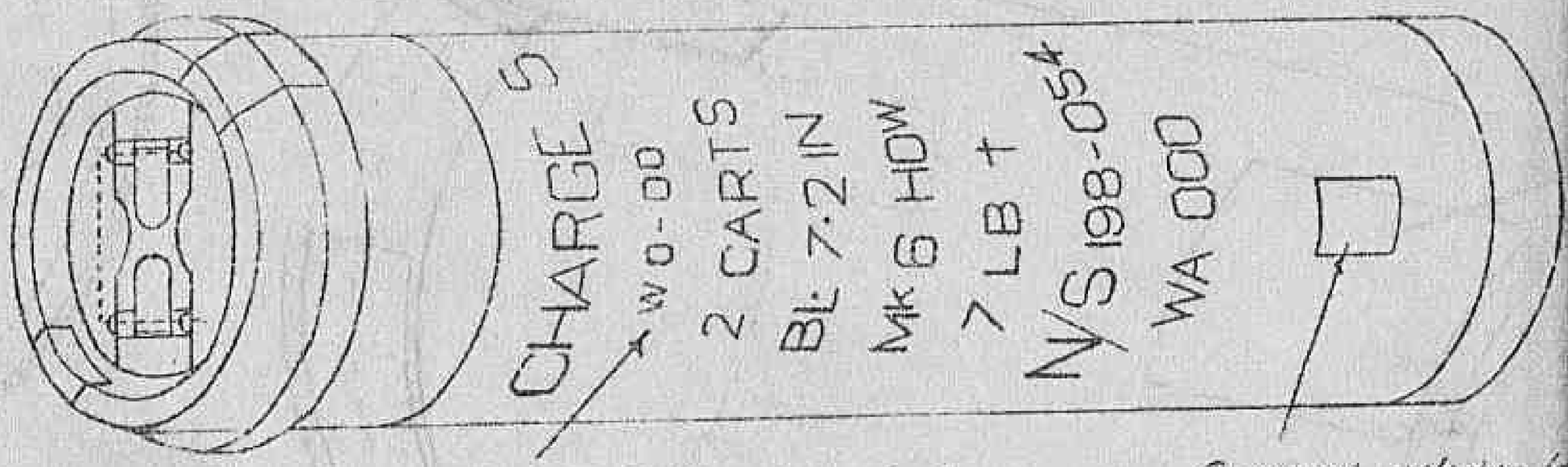

END VIEW OF CONTAINER



VIEW SHEWING METHOD OF FASTENING BUCKLE.

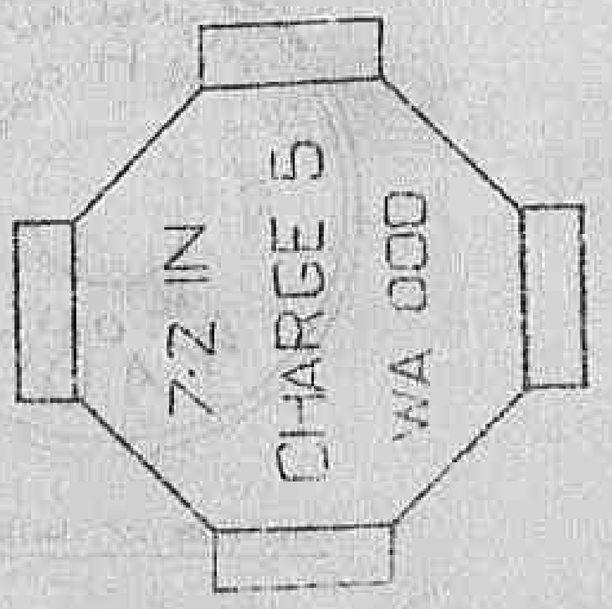
Declassified E.O. 12065 Section 3-402/NNDC No. 785020

# TYPICAL FOR CYLINDER & SKELETON TAINING CARTRIDGES, BL., 7·2 in. Mk 6, HOW.

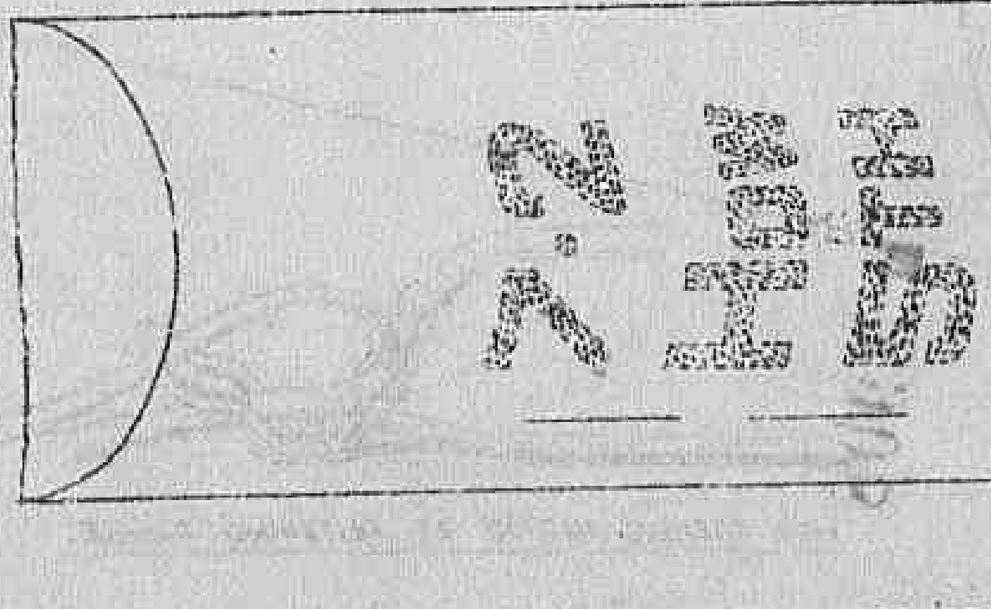



Monogram or initials of filling station (month and year) ¼ inch lettering.

Government explosive la or stencil (Group III)




STENCILLING TO BE ON BOTH ENDS OF CASE

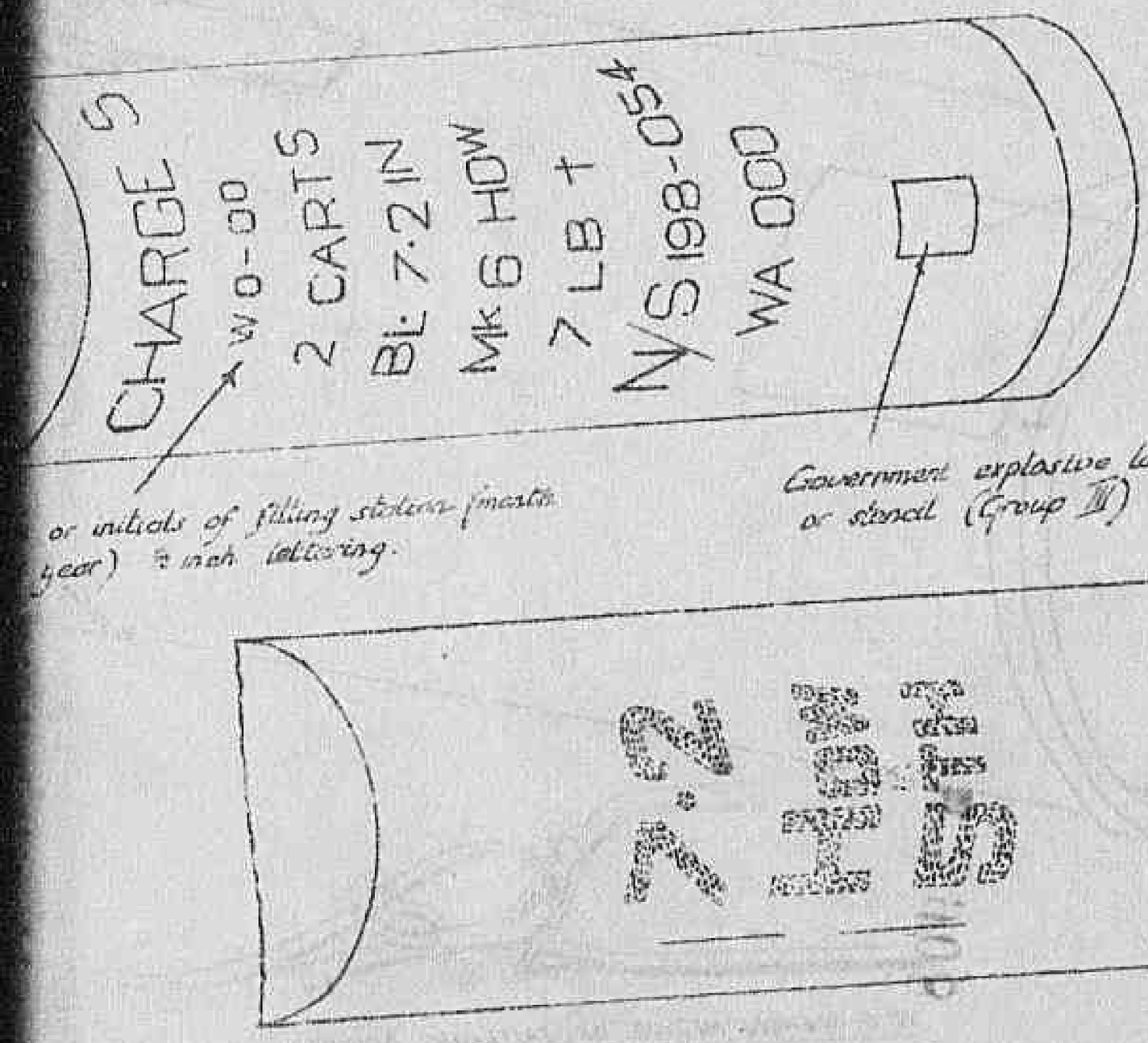


VIEW SHEWING STENCILLING ON OPPOSITE SIDE OF C

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# R CYLINDER & SKELETON CASES CON-
# RIDGES, BL., 7·2 in. Mk 6, HOW. CHARGE 5, N/S.

FIG. 8




VIEW SHOWING STENCILLING ON OPPOSITE SIDE OF CYLINDER.

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RESTRICTED. NOT TO FALL INTO THE HANDS OF THE ENEMY.

The information given in this document is not to be communicated either directly or indirectly to the Press or to any person not authorised to receive it.

Technical Ammunition Letters are not a personal issue except to I.O.Cs. and A.Es. They must not be taken away by other individuals when leaving a depot or unit.

## TECHNICAL AMMUNITION LETTER (ENEMY) NO.E6.

The Technical Ammunition Letter (Enemy) is published when necessary and is the means of quickly conveying information on captured enemy explosive stores to Ordnance Ammunition personnel. It is more convenient than separate War Office letters.

## PART I - ITEMS REQUIRING ACTION.

### 23. CANCELLATIONS.

The following items are cancelled:-

(a) Appendix 2 to T.A.L. (Enemy) No.E1 - superseded by Item 26 of T.A.L. (Enemy) No.E6.

(b) T.A.L. (Enemy) No.E3, Item 9 - para. (a) incorporated in Item 26 of T.A.L. (Enemy) No.E6.

para. (b) superseded by T.A.L. (Enemy) No.E4, Item 14.

(c) T.A.L. (Enemy) No.E4, Item 13 - incorporated in Item 24 of T.A.L. (Enemy) No.E6.

(d) T.A.L. (Enemy) No.E5, Item 17 - incorporated in Item 26 of T.A.L. (Enemy) No.E6.

### 24. PANZERFAUST - DEFECTIVE FUZES.

(1) Test for all fuzes.

5907

A German document dated November, 1944 captured in Italy orders the following tests for all Panzerfaust fuzes for transport and firing safety:-

Declassified E.O. 12065 Section 3-402/NND No. 785020

23. CANCELLATIONS.

The following items are cancelled:-

(a) Appendix 2 to T.A.L. (Enemy) No.E1 - superseded by Item 26 of T.A.L. (Enemy) No.E6.

(b) T.A.L. (Enemy) No.E3, Item 9 - para. (a) incorporated in Item 25 of T.A.L. (Enemy) No.E6.

para. (b) superseded by T.A.L. (Enemy) No.E4, Item 14.

(c) T.A.L. (Enemy) No.E4, Item 13 - incorporated in Item 24 of T.A.L. (Enemy) No.E6.

(d) T.A.L. (Enemy) No.E5, Item 17 - incorporated in Item 26 of T.A.L. (Enemy) No.E6.

24. PANZERFAUST - DEFECTIVE FUZES.

[redacted] 5907

(1) Test for all fuzes.

A German document dated November, 1944 captured in Italy orders the following tests for all Panzerfaust fuzes for transport and firing safety:-

(a) Hold fuze horizontal with percussion cap away from the body and shake it. If the internal components rattle the fuze is unserviceable. Warning: The percussion cap may be fired by the shaking.

With the remaining fuzes, i.e., those which did not go off or rattle carry out the following test:-

(b) Drop the fuze from a height of 50 cm. (20 inches) with the percussion cap nearest the ground.

Fuzes which survive these two tests can be considered entirely serviceable.

(2) Fuzes marked "W.A." or "W.C.".

Another captured German document states that the Panzerfaust 60 m. if fitted with fuzes marked "W.A." or "W.C." is unsafe and will not be fired.



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25. SEARCH LIST NO. 2.

Reference Technical Ammunition Letter (Enemy) No.E5, Item 16.

The following types of German ammunition are required and, if found, should be reported through the normal Intelligence channels:-

(a) Mortar bombs.

10 cm. Wgr. 35 Nb.
10 cm. Wgr. 35 Nb.S.
Illuminating bombs for 10 cm.Nb.W.40 and le.H.T. (10 cm.)
12 cm. Wgr. 42 Deut.
20 cm. Wgr. 40 Nb.
38 cm. Wgr. 40 Spr.
38 cm. Wgr. 40 Nb.

(b) Artillery ammunition.

7.5 cm. Jgr. Deut.
K. Gr. rot Buntrauch
K. Gr. rot Deut.
7.5 cm. Gr. Patr. 43 Hl. Rf. K.43

F.H. Gr. 38 Kh.
F.H. Gr. 38 Nb.
F.H. Gr. 39
F.H. Gr. 39 Nb.
F.H. Gr. Br.
F.H. Gr. Spr. Br.
10 cm. Gr. Patr. 39 rot Hl/B (and Hl/Θ) Stu. H.42
10.5 cm. Pzgr. 39 T.S.

12.8 cm. Pzgr. Patr. 43

15 cm. Pzgr. 39 T.S.
Sonderhülsenkartusche 39 T.S. (s.F.H.18)
15 cm. R.Gr.19 (or other rocket assisted shell for s.F.H.18).

All projectiles 21 cm. and over except 21 cm. Gr.18 and 21 cm. Gr.18 Be.

PART II - ITEMS PUBLISHED FOR INFORMATION.

26. WARNING ON SPECIAL NATURES OF ENEMY AMMUNITION.

The attention of I.O.Cs. and A.Ps. is [illegible]

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(b) Artillery ammunition.

7.5 cm. Jgr. Deut.
K. Gr. rot Buntrauch
K. Gr. rot Deut.
7.5 cm. Gr. Patr. 43 Hl. Rf. K.43

F.H. Gr. 38 Nb.
F.H. Gr. 38 Nb.
F.H. Gr. 39
F.H. Gr. 39 Nb.
F.H. Gr. Br.
F.H. Gr. Spr. Br.
10 cm. Gr. Patr. 39 rot Hl/B (and Hl/B) Stu. H.42
10.5 cm. Pzgr. 39 T.S.

12.8 cm. Pzgr. Patr. 43

15 cm. Pzgr. 39 T.S.
Sonderhülsenkartusche 39 T.S. (s.F.H.18)
15 cm. R.Gr.19 (or other rocket assisted shell for s.F.H.18).

All projectiles 21 cm. and over except 21 cm. Gr.18 and 21 cm. Gr.18 Bc.

TOP SECRET

PART II - ITEMS PUBLISHED FOR INFORMATION.

26. WARNING ON SPECIAL NATURES OF ENEMY AMMUNITION.

The attention of I.O.Os. and A.Es. is drawn to the following potentially dangerous types. This list supersedes Appendix 2 to T.A.L. (Enemy) No.E1.

| Nature | Remarks |
|---|---|
| Italian Hand Grenades.<br>O.T.O. Mod.35<br>S.P.C.M. Mod.35 "Red Devils"<br>BRETA Mod.35 | No authority will be given to move these except under special instructions from G.H.Q. |
| Stick Grenade, Type L. | |
| German H.E. Signal Pistol Cartridge<br>2,6 cm. Sprenggranatpatronen L.P. mit Zeitzünder | Normally safe to handle but liable to be dangerous if tampered with. A coiled wire joins the inside of the cartridge case with a pull igniter in the bottom of the projectile A brief description appeared in T.A.L. (Enemy) No.E3, page 16. |



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| Nature | Remarks |
| --- | --- |
| German H.E. Grenade, Hand or Rifle G. Sprgr. | Care should be observed with the original model in which the base plate is joined by a length of cord to a friction igniter in the rear of the projectile. If the base is unscrewed and accidentally pulled the grenade will detonate after 4½ seconds. |
| German Panzerfaust A/Tk. Grenade Dischargers. | Some possible dangers include:- |
| Panzerfaust - all models | (a) Removal of the bomb from the projector tube leaving the propelling cartridge still in position in the tube. In certain circumstances pressure on the firing button would then produce a lethal jet of flame from both ends of the tube. |
| | (b) Unscrewing the bomb head, leaving the tail in the tube. If fired without the bomb head the tail alone is lethal up to 55 yards (Panzerfaust 30) and more in the case of Panzerfaust 60. |
| | (c) Removal of the safety pin holding down the sight arm in the "safe" position. When the sight is down the firing mechanism cannot be operated. |
| 20 mm. ammunition | The majority of German rounds are fitted with sensitive fuzes in addition to some form of self-destroying element. |
| Mortar fuzes | Mortar bomb fuses generally, are liable to arm on rough handling. If any evidence of rough handling is suspected the ammunition will be destroyed. |
| Anti-lifting device with H.E. charge | If found packed in original boxes should be safe to move subject to inspection. |
| Antitank grenades (Hollow charge) | |

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propelling cartridge still in position in the tube. In certain circumstances pressure on the firing button would then produce a lethal jet of flame from both ends of the tube.

(b) Unscrewing the bomb head, leaving the tail in the tube. If fired without the bomb head the tail alone is lethal up to 55 yards (Panzerfaust 30) and more in the case of Panzerfaust 60.

(c) Removal of the safety pin holding down the sight arm in the "safe" position. When the sight is down the firing mechanism cannot be operated.

20 mm. ammunition

The majority of German rounds are fitted with sensitive fuzes in addition to some form of self-destroying element.

Mortar fuzes

Mortar bomb fuzes generally, are liable to arm on rough handling. If any evidence of rough handling is suspected the ammunition will be destroyed.

Anti-lifting device with H.E. charge

Entlastungszunder 44

If found packed in original boxes should be safe to move subject to inspection.
Loose devices, however, should be marked and destroyed in situ wherever possible.

Tellermines

T.Mi. 35 (fitted with igniter T.Mi.Z.35)

Must be moved with the igniter T.Mi. Z.35 made safe and in position, or alternatively with a wooden plug in the main igniter cavity. This is to protect the detonator which cannot readily be removed from the mine. Detonators associated with T.Mi.Z.35 will be removed from mines only by I.O.Cs. on instructions from G.H.Q. and with an authorised key.

T.Mi.35 (adapted to take T.Mi.Z.42 or 43 igniters)
T.Mi.35 (Stahl)
T.Mi.42
T.Mi.Pilz 43

These will be dealt with as laid down in T.A.L. (Enemy) No.E2, Item 2.

Attention is also drawn to T.A.L. (Enemy) No.E3, Item 12.



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| Nature | Remarks |
|---|---|
| Riegelmines<br><br>R.Mi.43 | If movement of these mines is authorised, the instructions laid down in T.A.L. (Enemy) No.E3, Item 6 will be followed. The necessary precautions should be specified in the I.O.Os. certificate. |

NOTE: (1) All mines which have been laid will be destroyed whatever their condition.

(2) Tellermines and certain demolition charges normally have additional igniter cavities. All cavities will be examined.

(3) Mines containing their own means of ignition will be stacked and transported separately from those not containing means of ignition.

27. PACKAGE LABELS - SMALL CALIBRE S.A.A. (7.9 MM. AND 9 MM.).

(1) General.

The top line on the label gives the designation of the ammunition and usually, the number of rounds contained in the package. The remainder of the label gives type of propellant and manufacturing details. To assist in quick recognition, overprinting and colours are introduced. Examples of typical labels appear in Figs. 1 to 6. Full scale outline sketches of the four principal types of small calibre S.A.A. appear in Fig.7. Abbreviations and recognition features were dealt with in T.A.L. (Enemy) No.E3, Item 10.

(2) Colours

(a) 7.9 mm.

(i) White label; black printing.

Ball ammunition.
Practice Ball (with diagonal green stripe)
A.P. ("S.m.K." on top line in red)
Explosive Incendiary ("B-Patronen" on top line in white letters on black background).

(ii) Yellow or buff label; black printing.

Practice Tracer (with diagonal green stripe)
A.P./T. ("S.m.K." on top line in red)

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will be stacked and transported separately from those not containing means of ignition.

27. PACKAGE LABELS - SMALL CALIBRE S.A.A. (7.9 MM. AND 9 MM.).

(1) General

The top line on the label gives the designation of the ammunition and usually, the number of rounds contained in the package. The remainder of the label gives type of propellant and manufacturing details. To assist in quick recognition, overprinting and colours are introduced. Examples of typical labels appear in Figs. 1 to 6. Full scale outline sketches of the four principal types of small calibre S.A.A. appear in Fig.7. Abbreviations and recognition features were dealt with in T.A.L. (Enemy) No.E3, Item 10.

(2) Colours

(a) 7.9 mm.

(i) White label; black printing.

Ball ammunition.
Practice Ball (with diagonal green stripe)
A.P. ("S.m.K." on top line in red)
Explosive Incendiary ("B-Patronen" on top line in white letters on black background).

(ii) Yellow or buff label; black printing.

Practice Tracer (with diagonal green stripe)
A.P./T. ("S.m.K." on top line in red)

(iii) Half red, half white (diagonal)

A.P. with tungsten carbide core ("S.m.K.H." on top line generally in red)

(iv) Half red, half yellow (diagonal)

7.9/13 mm. A.P./T. ("Patronen 318")

(v) Green label.

A.P./I. ("P.m.K." on top line in red)

(vi) Pink or brown label.

Bulletted blank.

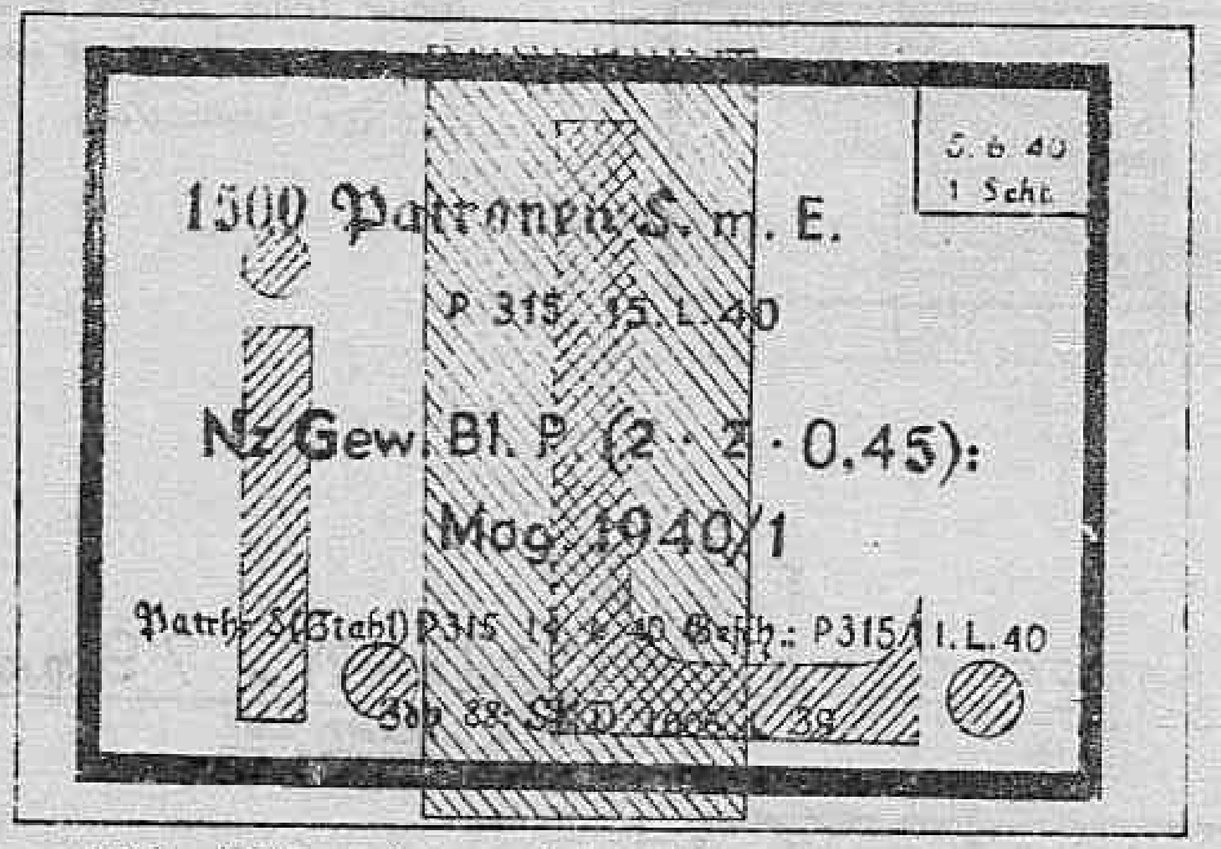


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## FIG. 1

## CTGES.. SA..BALL (MILD STEEL CORE) 7·9 m.m.

(CHARGER PACKED)

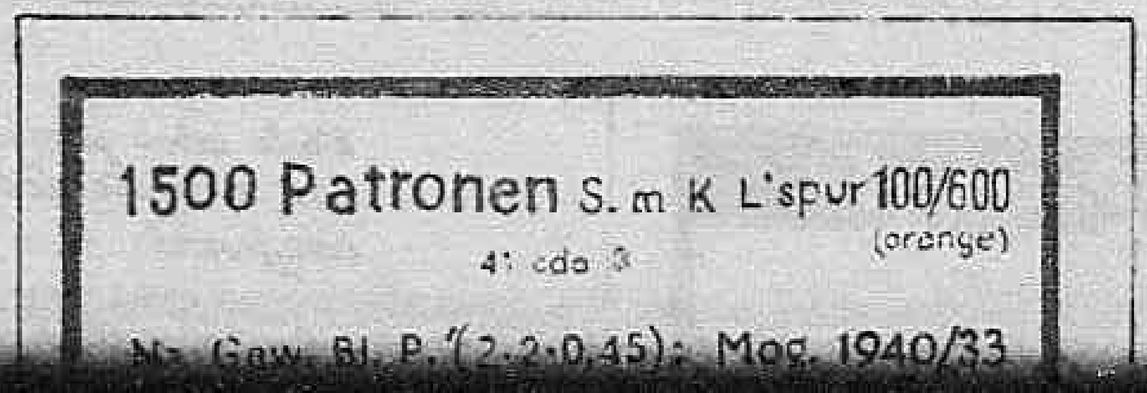



White label printed in black "L" overprinted in red.
Vertical blue band indicates steel cartridge case.

## FIG 2

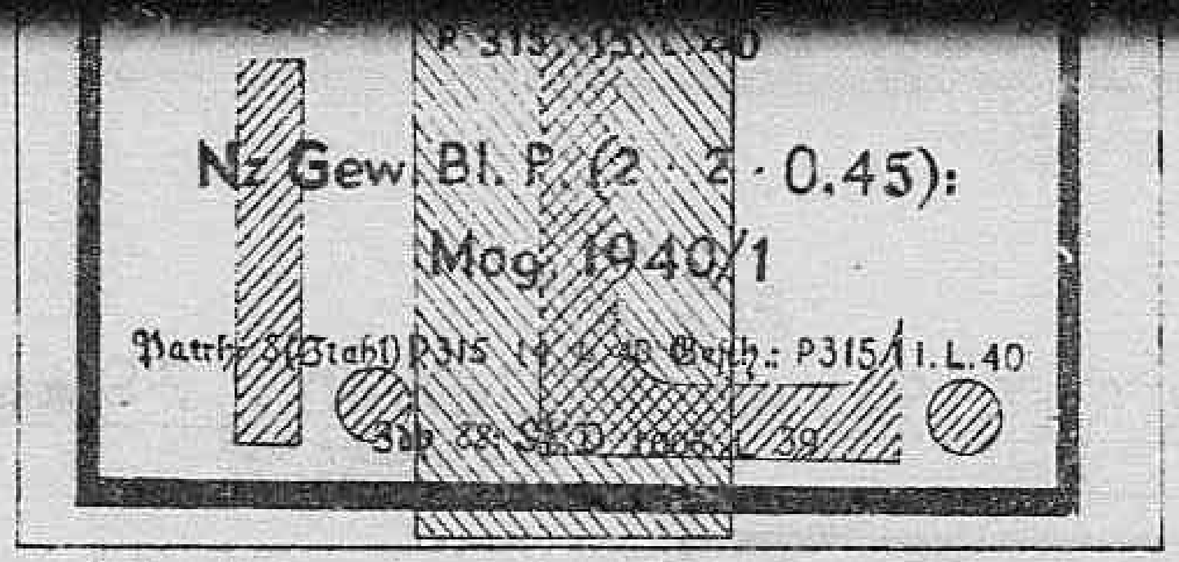
## CTGES.. S.A. AP/T (100/600 TRACE) 7·9 m.m.

(FOR AIRCRAFT M.G.S)




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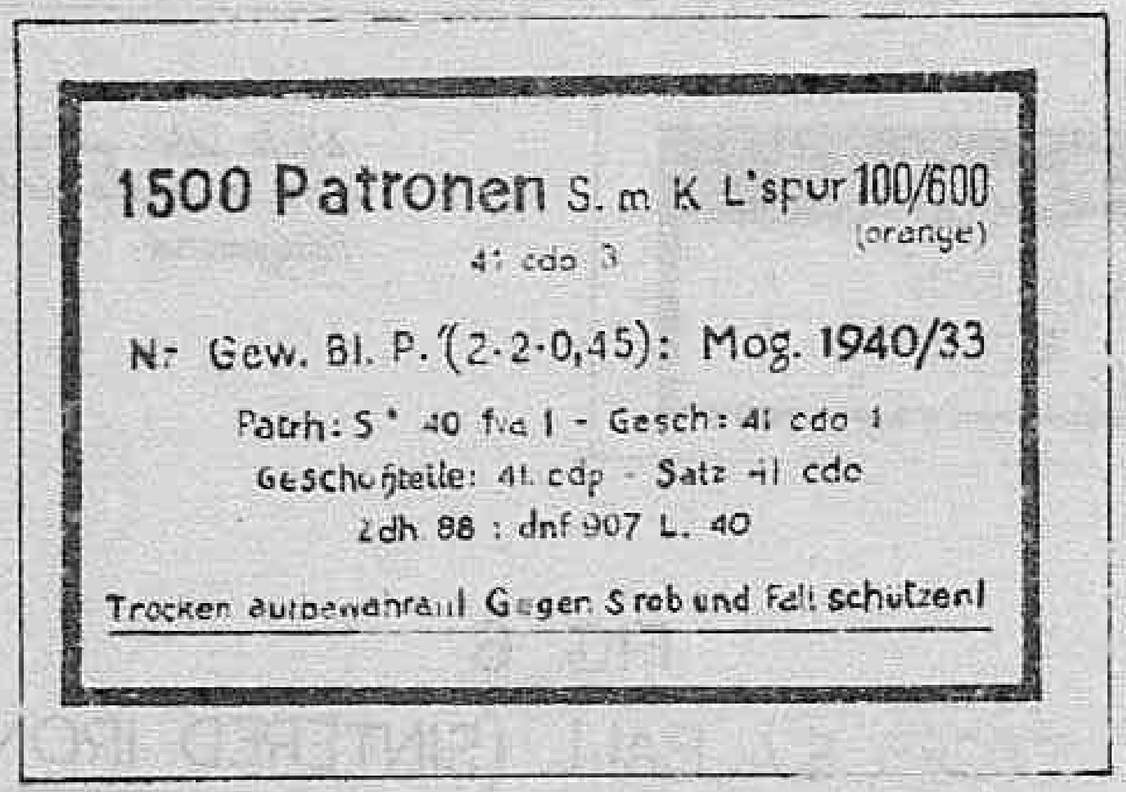



*White label printed in black "IL" overprinted in red. Vertical blue band indicates steel cartridge case.*

## FIG 2

## CTGES.. S.A. AP/T (100/600 TRACE) 7·9 m.m.

(FOR AIRCRAFT M.G.s)



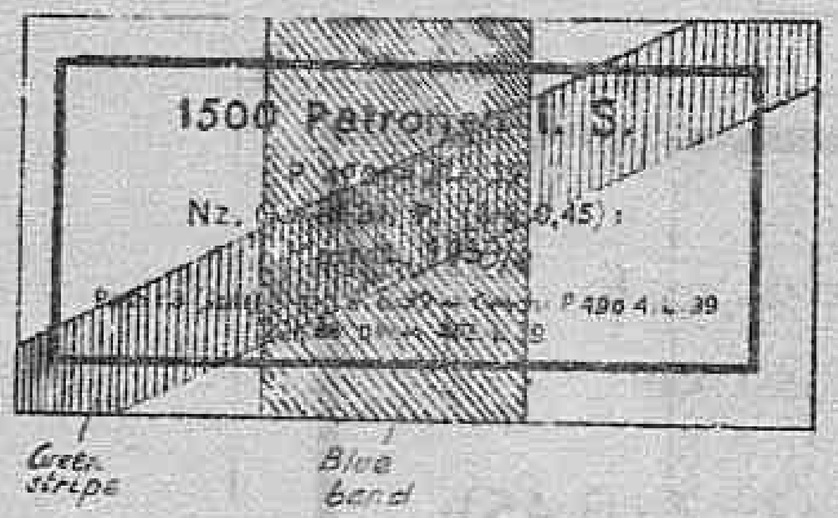

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*Yellow label printed in black "S.m.k." in red.*

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# FIG. 3

## CTGES. S A.. PRACTICE BALL 7·9 m.m.

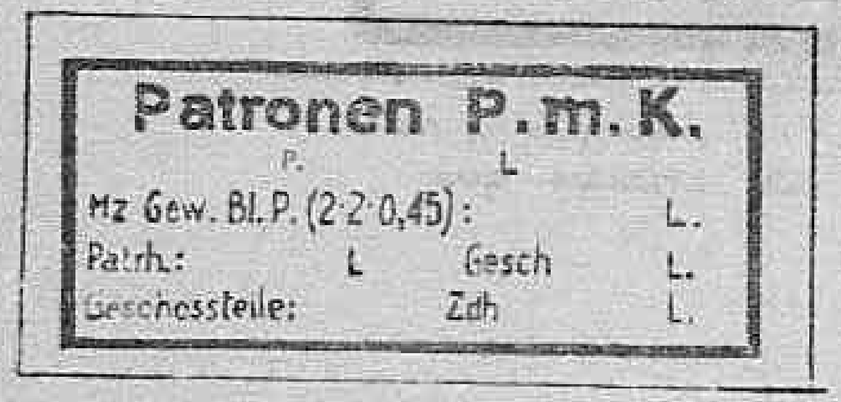



*White label printed in black. Diagonal green stripe indicates practice ammunition.*

# FIG. 4

## CTGES., S.A., A.P./INCENDIARY, 7·9 m.m.

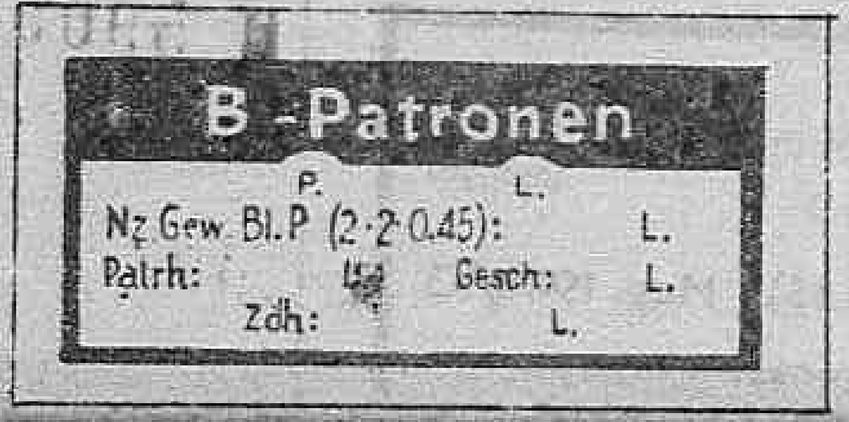
FOR AIRCRAFT M.G.S.




*Green label printed in black "P.m.k" in red.*

# FIG. 5

## CTGES., S.A., EXPLOSIVE INCENDIARY 7·9 m.m



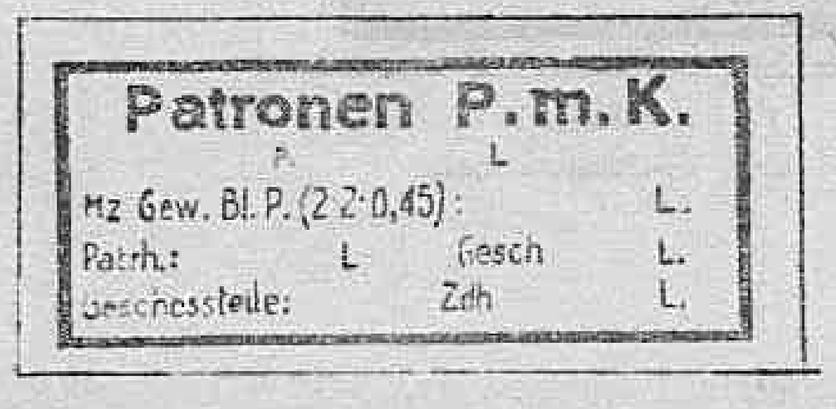

*White label printed in black. Top line in white letters on black background.*

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# FIG. 4

## CTGES., S.A., A.P./INCENDIARY, 7·9 m.m.

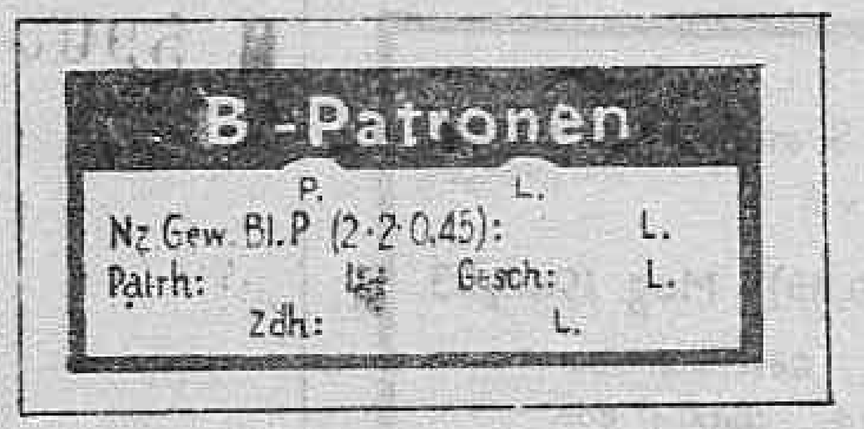
FOR AIRCRAFT M.G.S.




Green label printed in black "P m.k" in red.

# FIG. 5

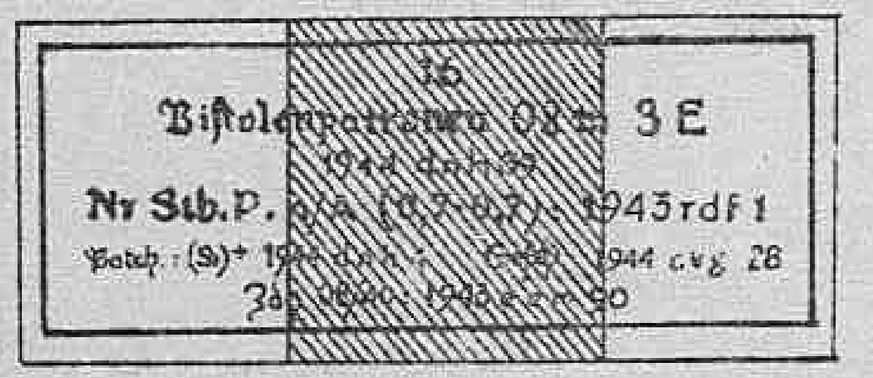
## CTGES., S.A., EXPLOSIVE INCENDIARY 7·9 m.m




White label printed in black. Top line in white letters on black background.

# FIG. 6

## CTGES., S.A., BALL (SINTERED IRON) 9 m.m.



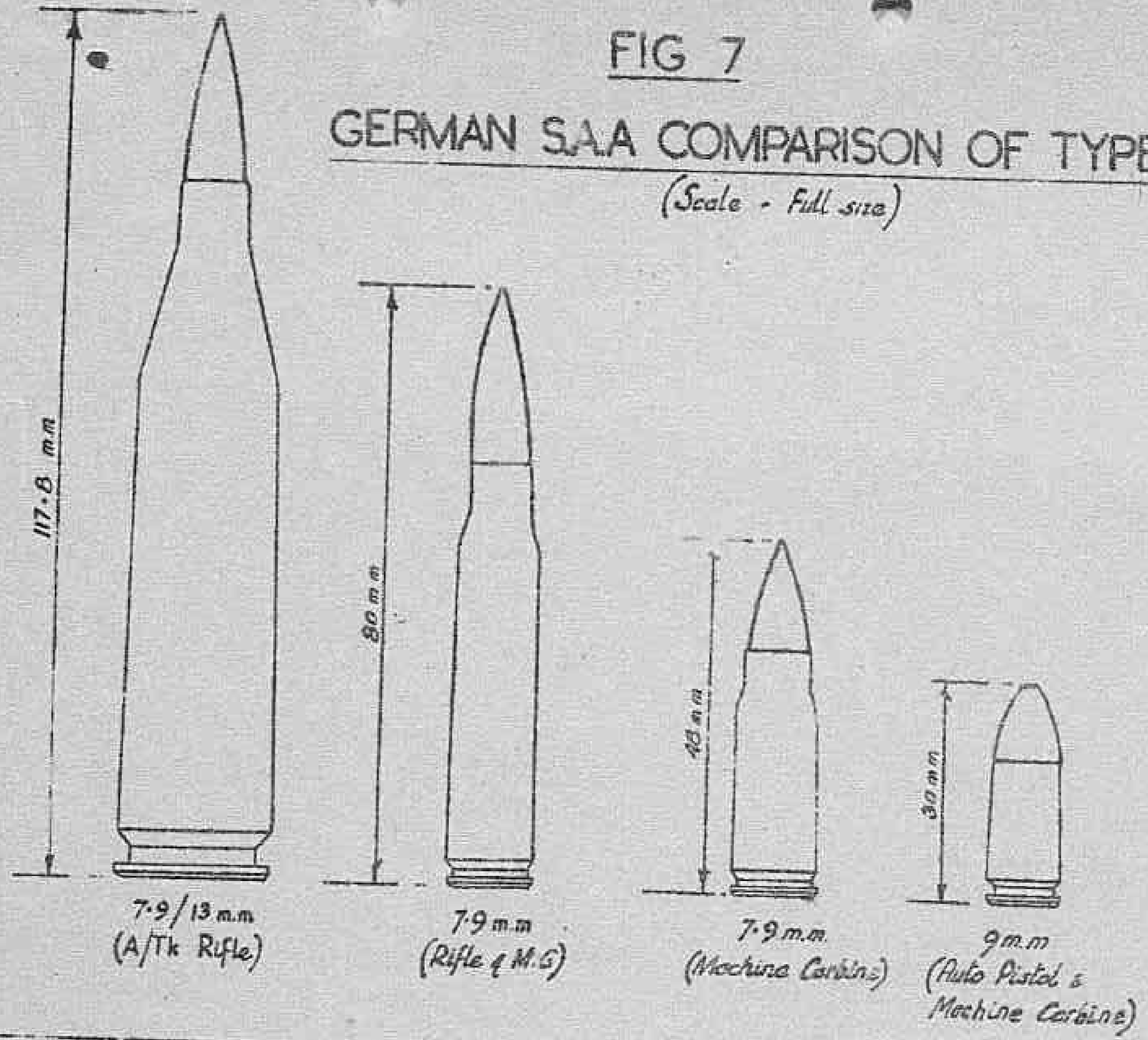

Light blue label printed in black, overprinted with dark blue band.

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# FIG 7

## GERMAN S.A.A COMPARISON OF TYPES.

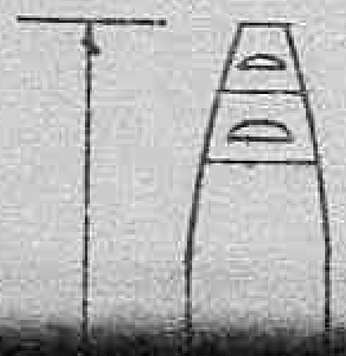
(Scale - Full size)




# FIG.8

## 13 m.m. SOLOTHURN

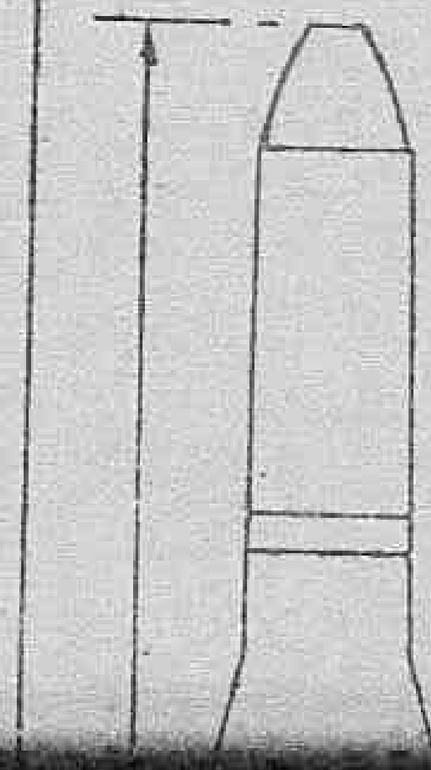
(Scale - Full size)



# FIG. 9

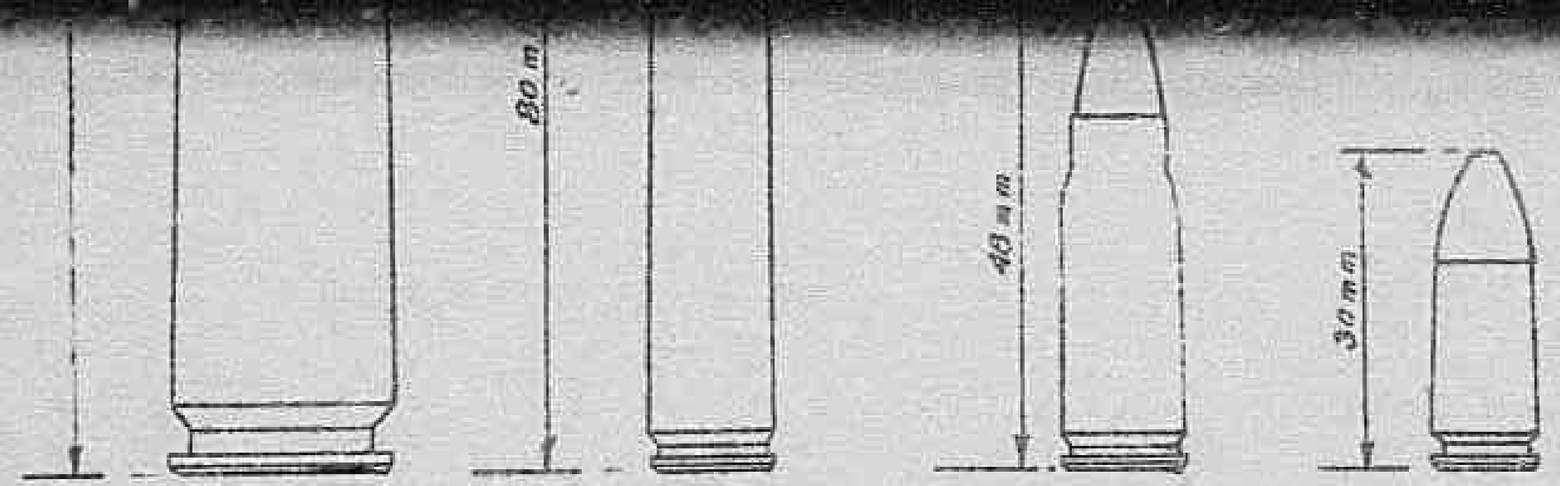
## 15 m.m. MAUSER

(Scale - Full size)



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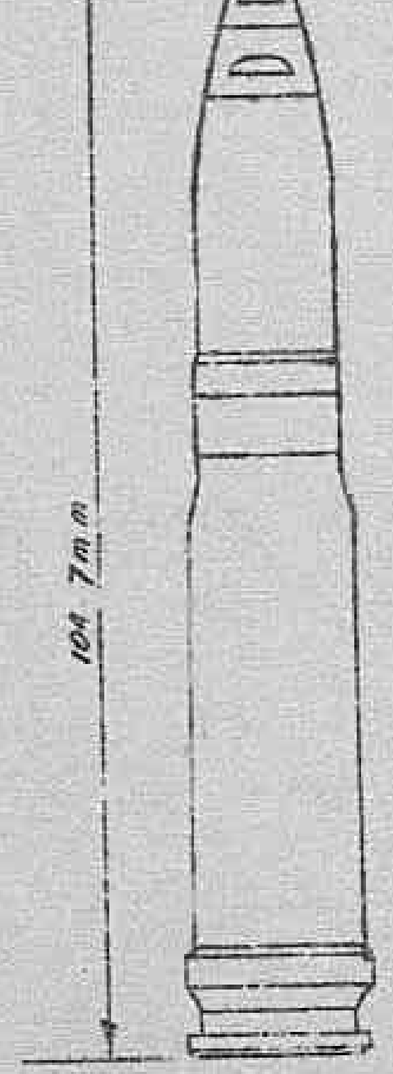



7·9/13 m.m (A/Tk Rifle) | 7·9 m.m (Rifle & M.G) | 7·9 m.m. (Machine Carbine) | 9 m.m (Auto Pistol & Machine Carbine)

## FIG. 8

## 13 m.m. SOLOTHURN

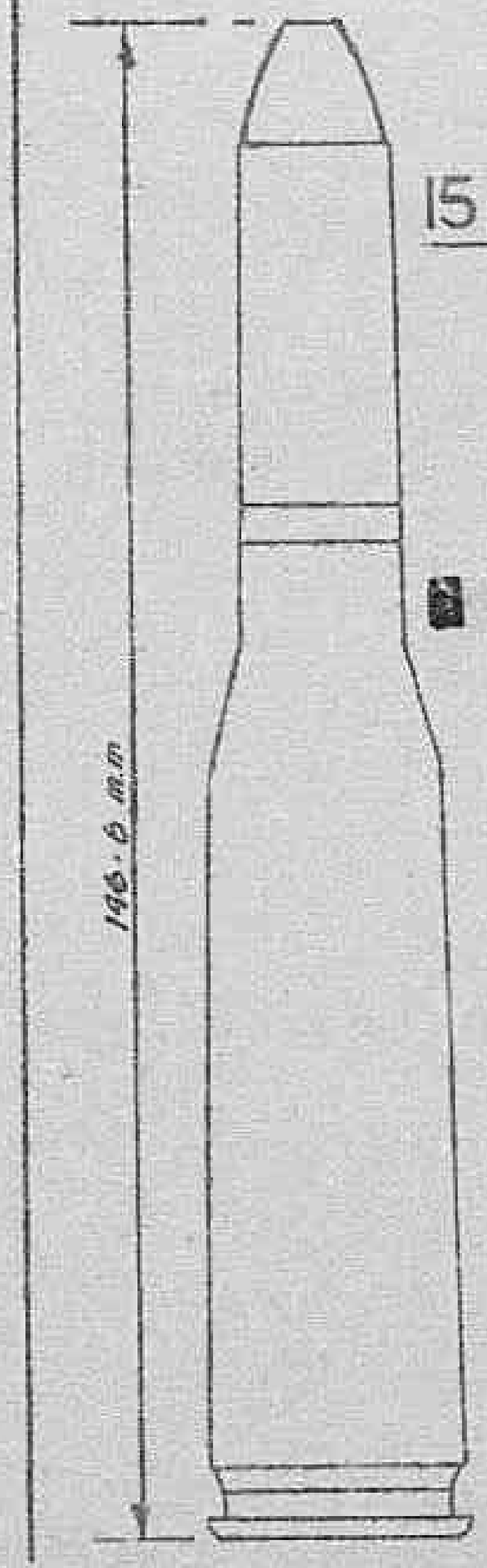
(Scale - Full size)




## FIG. 9

## 15 m.m. MAUSER

(Scale - Full size)




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(b) 9 mm.

Light blue label; black printing.

Bullet (mild steel core
(lead core
(sintered iron bullet

(5) Overprinting

(a) Coloured bands

(i) Vertical blue band — Steel cartridge case
(ii) Diagonal green stripe — Practice (A.A.) Ammunition

For examples of (ii) see para. (2)

(b) Overprinting in red.

(i) Ex. — Drill rounds
(ii) A.P. — Charger packed for rifle
(iii) For Gewehr — " " " "
(iv) For M.G. — Carton packed for M.G.

28. GERMAN 7.9 MM., S.A.A. FOR AIRCRAFT MACHINE GUNS.

Abbreviations, general recognition features and packing details are as described in T.A.I. (Enemy) No.E3, Item 10.

The principal 7.9 mm. rounds used in aircraft M.Gs. are summarised in the table below. They are fired from the following weapons:-

M.G. 17
M.G. 15
M.G. 81
and M.G. 81Z (Twin)

The high velocity rounds (Serials 2, 3, 5, 7 and 9) are for use only in the M.G. 17 with modified gas piston, and have not recently been encountered.

| SERIAL | NOMENCLATURE ON LABEL | TYPE | COLOUR IDENTIFICATION | |
|---|---|---|---|---|
| | | | BULLET | CARTRIDGE CASE |
| 1 | P.-Patr (See Fig.5) | Explosive incendiary. (Explosive bullet with phosphorus in nose.) | Black with plain tip. (Early types had plain | Black cap or annulus |

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(c) Overpacking [illegible]

(i) Ex.
(ii) i.L.
(iii) For Gewehr
(iv) For M.G.

Drill rounds
Charger packed for rifle
" " " "
Carton packed for M.G.

28. GERMAN 7.9 MM. S.A.A. FOR AIRCRAFT MACHINE GUNS.

Abbreviations, general recognition features and packing details are as described in T.A.I. (Enemy) No.E3, Item 10.

The principal 7.9 mm. rounds used in aircraft M.Gs. are summarised in the table below. They are fired from the following weapons:-

M.G. 17
M.G. 15
M.G. 81
and M.G. 81Z (Twin)

The high velocity rounds (Serials 2, 3, 5, 7 and 9) are for use only in the M.G.17 with modified gas piston, and have not recently been encountered.

| SERIAL | NOMENCLATURE ON LABEL | TYPE | COLOUR IDENTIFICATION | |
|---|---|---|---|---|
| | | | BULLET | CARTRIDGE CASE |
| 1 | B.-Patr.<br>(See Fig.5) | Explosive incendiary. (Explosive bullet with phosphorus in nose.) | Black with plain tip. (Early types had plain bullet with chromium plated tip). | Black cap or annulus |
| 2 | B.-Patr.v. | Serial 1; with high velocity propellant | Black with plain tip. Green ring 16 mm. from tip of bullet | Black cap or annulus |
| 3 | Patr. S.m.K.v. | A.P. with steel core High velocity propellant | Green ring 10 mm. from tip. (Early type had whole tip coloured green). | Red cap or annulus |

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| SERIAL | NOMENCLATURE ON LABEL | TYPE | COLOUR IDENTIFICATION | |
|---|---|---|---|---|
| | | | BULLET | CARTRIDGE CASE |
| 4 | Patr. S.m.K. L'spur. 100/600. (see Fig.2) | A.P. tracer. Tracer gives dark ignition for 100 metres; duration of trace 600 metres. | 10 mm. black tip | Red cap or annulus. |
| 5 | Patr.S.m.K. L'Spur 100/600 v. | Serial 4; with high velocity propellant | 10 mm. black tip with green ring below. | Red cap or annulus |
| 6 | Patr.S.m.K.Gl'spur. | A.P. night tracer | 5 mm. black tip | Red cap or annulus |
| 7 | Patr.S.m.K.Gl'spur. v. | Serial 6; with high velocity propellant | 5 mm. black tip; green ring 10 mm. from tip. | Red cap or annulus |
| 8 | Patr. P.m.K. (See Fig.4) | A.P./Incendiary (phosphorus) | - | Black cap or annulus (Occasionally red annulus or red stripe across base). |
| 9 | Patr. P.m.K.v. | Serial 8; with high velocity propellant | Green ring 10 mm. from tip. (Early type had whole tip coloured green). | Black cap or annulus. |

NOTE: (1) Serial 1 is also used by ground troops as an observing round.

(2) Serial 4 can only be distinguished from "Patr.S.m.K. L'spur" (A.P./T. for ground use) by the package label.

29. RECOGNITION OF GERMAN AIRCRAFT GUN AMMUNITION. (13 MM. to 30 MM.).

(1) Projectile markings.

(a) Colours.

Colour markings are summarised in the table below. Some

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| | | | | |
|---|---|---|---|---|
| | | 600 metres. | | |
| 5 | Patr.S.m.K. L'Spur 100/600 v. | Serial 4; with high velocity propellant | 10 mm. black tip with green ring below. | Red cap or annulus |
| 6 | Patr.S.m.K.Gl'spur. | A.P. night tracer | 5 mm. black tip | Red cap or annulus |
| 7 | Patr.S.m.K.Gl'spur. v. | Serial 6; with high velocity propellant | 5 mm. black tip; green ring 10 mm. from tip. | Red cap or annulus |
| 8 | Patr. P.m.K. (See Fig.4) | A.P./Incendiary (phosphorus) | - | Black cap or annulus (Occasionally red annulus or red stripe across base). |
| 9 | Patr. P.m.K.v. | Serial 8; with high velocity propellant | Green ring 10 mm. from tip. (Early type had whole tip coloured green). | Black cap or annulus. |

NOTE: (1) Serial 1 is also used by ground troops as an observing round.

(2) Serial 4 can only be distinguished from "Patr.S.m.K. L'spur" (A.P./T. for ground use) by the package label.

29. RECOGNITION OF GERMAN AIRCRAFT [illegible] ATION. (15 KM. to 30 KM.).

(1) Projectile markings.

(a) Colours.

Colour markings are summarised in the table below. Some variations are to be expected and accurate identification depends upon correct translation of the package label.

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| BODY COLOUR | COLOURED BANDS | | TYPE OF AMMUNITION |
|---|---|---|---|
| | BELOW FUZE OR ON BODY | ABOVE DRIVING BAND | |
| Yellow | - | - | H.E. or H.E./T. |
| -do- | - | Red or white | H.E./T. |
| -do- | - | Brown | H.E./Night tracer |
| -do- | Blue | - | H.E./I. |
| -do- | Green | - | H.E./I. with increased incendiary effect |
| -do- | Black | - | H.E. (high capacity shell) |
| Blue | - | Red | Incendiary/Tracer |
| Black | - | - | A.P. |
| -do- | - | White, yellow or red | A.P./T. |
| -do- | Yellow | - | A.P./H.E. |
| -do- | Blue | - | A.P./I. (phosphorus) |
| -do- | Unpainted tip | - | A.P. shot with tungsten carbide core |
| Olive green | - | - | Ball |
| -do- | - | White or yellow | Tracer |
| Grey | - | Yellow | Practice/Tracer |
| Unpainted | White | - | H.E./T. (S.D.) |

These markings may be found in combination, e.g. yellow body, red band above driving band, and green band below fuze indicates H.E./I/T (increased incendiary effect).

(b) Stencillings.

Manufacturing details are stencilled on all projectiles.

Example:- Manufacturer ENV
Delivery number 12
Year of manufacture 42

5902

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| | | | |
|---|---|---|---|
| Blue | - | Red | Incendiary/Tracer |
| Black | - | - | A.P. |
| -do- | - | White, yellow or red | A.P./T. |
| -do- | Yellow | - | A.P./H.E. |
| -do- | Blue | - | A.P./I. (phosphorus) |
| -do- | Unpainted tip | - | A.P. shot with tungsten carbide core |
| Olive green | - | - | Ball |
| -do- | - | White or yellow | Tracer |
| Grey | - | Yellow | Practice/Tracer |
| Unpainted | White | - | H.E./T. (S.D.) |

These markings may be found in combination, e.g. yellow body, red band above driving band, and green band below fuze indicates H.E./I/T (increased incendiary effect).

(b) Stencillings.

Manufacturing details are stencilled on all projectiles.

Example:- Manufacturer bmv
Delivery number 15
Year of manufacture 42

5902

In addition, these abbreviations appear as applicable:-

Ph. (in blue on black projectile) indicates phosphorus filling

M (in black on yellow shell) indicates Minengeschoss (High capacity H.E. shell).

(2) 15 mm. Solothurn (electrically fired).

Weapon: M.G. 131 E1 Length of round; 4.1-in. approx.
Ctge. case: Rimless, belted (see Fig.8)

The rounds are not self-destroying.

Packing:- Each round in a rolled paper cylinder; 500 per box.
Average weight: 110 lb.



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Example of designation on package label:-

15 mm. Brandsprenggranat-Patronen Gl'spur. El.

(Identified by calibre only)

(3) 15 mm. Mauser (percussion fired.)

Weapon: M.G.151 Length of round: 5.7-in. approx.
Ctge. case: Rimless, necked (see Fig.9)

Some rounds are self-destroying.

Packing:- Each round in a rolled paper cylinder; 200 per box.
Average weight: 100-110. lb.

Example of designation on package label:-

15 mm. Spreng-Brandgr. Patronen L'spur.

(Identified by calibre only).

(4) 2 cm. Oerlikon (percussion fired).

Weapons: M.G. F.F. and M.G. F.F./M.

Length of round: 5.6-in approx. (See T.A.L. (Enemy) E.5, Appendix A)

Ctge case: Relieved rimless; straight-tapered.

Some rounds are self-destroying.

Packing: Each round in a rolled paper cylinder; 200 per box
Average weight: 105 lb.

Examples of designation on package label:-

(a) 2 cm. Br.-Sprgr. Patr. L'spur F.F.
(b) 2 cm. M Gerauss Patronen FFm (ZZ).

(Identified by "FF" or "FFM" in nomenclature)

(5) 2 cm. Mauser (percussion fired).

Weapon: M.G. 151/20 Length of round: 5.6-in. approx.
Ctge. case: Rimless, necked (see T.A.L. (Enemy) No.E5, Appendix A)

Some rounds are self-destroying.

Packing: as for (4) above. Average weight: 110 lb.

Example of designation on package label:-

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(Identified by calibre only).

(4) 2 cm. Oerlikon (percussion fired).

Weapons: M.G. F.F. and M.G. F.F./M.

Length of round: 5.6-in approx. (See T.A.L. (Enemy) E.5, Appendix A)

Otge case: Relieved rimless; straight-tapered.

Some rounds are self-destroying.

Packing: Each round in a rolled paper cylinder; 200 per box
Average weight: 105 lb.

Examples of designation on package label:-

(a) 2 cm. Sr.-Sprgr. Patr. L'spur F.F.
(b) 2 cm. M Gemisch Patronen FFM (ZZ).

(Identified by "FF" or "FFM" in nomenclature)

(5) 2 cm. Mauser (percussion fired).

Weapon: M.G. 151/20
Otge. case: Rimless, necked
Length of round: 5.6-in. approx.
(see T.A.L. (Enemy) No.E5, Appendix A)

Some rounds are self-destroying.

Packing: as for (4) above. Average weight: 110 lb.

Example of designation on package label:-

2 cm. Pzsprgr. Patr. 151 o.Zerl.

(Identified by "151" in nomenclature)

(6) 2 cm. Mauser (electrically fired)

Weapon: M.G. 151/20 El.

The rounds are fitted with a small electric primer
Other details as for (5) above.

Example of designation on package label:-

2 cm. M-Gesch. Patr. 151 El. m. Zerl.

(Identified by "151 El" in nomenclature)



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(7) 3 cm. Solothurn (percussion fired).

Weapon: M.K.101
Ctge. Case: Rimless, belted; necked
Length of round: 11.7-in. approx.

Primer, percussion: C/33

Packing: 50 rounds to a box. Average weight: 115 lb.

Example of designation on package label:-

3 cm. Pzsprgr. Patr. L'spur. o. Zerl.

(Identified by calibre only.)

(8) 3 cm. Solothurn (electrically fired).

Weapon: M.K.103

Primer, electric: C/23. Other details as for (7) above.

Example of designation on package label:-

3 cm. Sprenggranat - Patronen L'spur. El. o. Zerl.

(Identified by calibre and "El." in nomenclature)

(9) 3 cm. M.K.108 (electrically fired).

Weapon: M.K.108 Length of round: 8-in. approx.

Ctge. case: Relieved rimless; Straight tapered.

The rounds are fitted with a small electric primer similar to that used with 2 cm. Mauser.

Packing: Each round in a rolled paper cylinder; 200 per box.

Example of designation on package label:-

3 cm. M. Geschoss Patr. 108 o. Zerl.

(Identified by "108" in nomenclature)

5901

W.S.9,
Metropole Buildings.
VIC.6622, Ex.597.
5th. February, 1945.
hgh/a.

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(8) 3 cm. Solothurn (electrically fired).

Weapon: M.K.103

Primer, electric: C/23. Other details as for (7) above.

Example of designation on package label:-

3 cm. Sprenggranat - Patronen L'spur. El. o. Zerl.

(Identified by calibre and "El." in nomenclature)

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Weapon: M.K.108 Length of round: 8-in. approx.

Ctge. case: Relieved rimless; Straight tapered.

The rounds are fitted with a small electric primer similar to that used with 2 cm. Mauser.

Packing: Each round in a rolled paper cylinder; 200 per box.

Example of designation on package label:-

3 cm. M. Geschoss Patr. 108 o. Zerl.

(Identified by "108" in nomenclature)

5901

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5th. February, 1945.
hgh/c.

Republished by S.I.O.O.,
March, 1945.



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AMENDMENTS.

(1) Reference Technical Ammunition Letter (Enemy) No.E1, Item 1, para.(11). line 7

Delete "Appendix 2" substitute "T.A.L. (Enemy) No.E6, Item 26".

(2) Reference Technical Ammunition Letter (Enemy) No.E5, Item 10

At bottom of page 2 add:

"Package labels are dealt with in T.A.L. (Enemy) No.E6, Item 27".

(3) Reference Technical Ammunition Letter (Enemy) No.E3, Item 10., para. (4) (b)

At end of para. insert:

"These rounds are also charger packed. Details are as follows:-

| | |
|---|---|
| 5 rounds to a charger | |
| 4 chargers to a cardboard carton | = 20 rounds |
| 22 cartons in a cardboard carrier | = 440 rounds |
| 5 carriers in P.K.88 | = 2200 rounds |

The cardboard carriers may be omitted.

Total weight: 112 lb. (51 kg.)"

(4) Reference Technical Ammunition Letter (Enemy) No.E3, Item 11.

Para. (1), Column 1, line 5.

After "Deut." insert "Z"

(5) Reference Technical Ammunition Letter (Enemy) No.E3, Item 11.

Para. (3), Table on page 12, column 1

Delete "G.Sprgr. mit gesteigerter Reichweite"

Para. (3), Table on page 12, column 2

Delete lines 7 to 10 substitute "Six variations of this grenade have been found - see T.A.L. (Enemy) No.E4, Item 14).

Para. (3), Table on page 12, column 5

Delete "(Latest type has hollow wooden bullet dyed yellow)"

(6) Reference Technical Ammunition Letter (Enemy) No.E3, Item 11.

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Declassified E.O. 12065 Section 3-402/NNDC No. 785020

"These rounds are also charger packed. Details are as follows:-

5 rounds to a charger
4 chargers to a cardboard carton = 20 rounds
22 cartons in a cardboard carrier = 440 rounds
5 carriers in P.K.88 = 2200 rounds

The cardboard carriers may be omitted.

Total weight: 112 lb. (51 kgs.)"

(4) Reference Technical Ammunition Letter (Enemy) No.E3, Item 11.

Para. (1). Column 1, line 5.

After "Deut." insert "Z"

(5) Reference Technical Ammunition Letter.(Enemy) No.E3, Item 11,

Para. (3), Table on page 12, column 1

Delete "G.Sprgr. mit gesteigerter Reichweite"

Para. (3), Table on page 12, column 2

Delete lines 7 to 10 substitute "Six variations of this grenade have been found - see T.A.L.(Enemy) No.E4, Item 14).

Para. (3), Table on page 12, column 5

Delete "(Latest type has hollow wooden bullet dyed yellow)"

(6) Reference Technical Ammunition Letter (Enemy) No.E3, Item 11.

Para. (5), page 16, line 25

Delete "friction" substitute "pull"

(7) Reference Technical Ammunition Letter (Enemy) No.E4, Item 14

Table of rifle grenades on page 3, column 4.

Under "no bullet" (line 4) insert "Later type has short blue wooden bullet"

(8) Reference Technical Ammunition Letter (Enemy) No.E4, Item 16

Table on page 9, column 5, line 1

Delete "Tail" substitute "Teil".

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20C

RESTRICTED. NOT TO FALL INTO THE HANDS OF THE ENEMY.

The information given in this document is not to be communicated either directly or indirectly to the Press or to any person not authorised to receive it.

Technical Ammunition Letters are not a personal issue except to I.O.Os. and A.Es. They must not be taken away by other individuals when leaving a depot or unit.

## TECHNICAL AMMUNITION LETTER NO.42A.

The Technical Ammunition Letter is published when necessary, usually once or twice a month. It is the means of quickly conveying technical information to Ordnance Ammunition personnel, and is more convenient than separate War Office letters. A proportion of the contents has only a temporary relevance: information of permanent value will be incorporated in subsequent issues of R.A.O.S. pamphlets.

### PART I - ITEMS REQUIRING ACTION.

This Technical Ammunition Letter replaces Technical Ammunition Letter No.42 which will be destroyed.

925. SAMPLING OF C.W. WEAPONS.

Applies to U.K. only.

5899

### PART II - ITEMS PUBLISHED FOR INFORMATION.

926. EXPLOSIVES AND AMMUNITION - DECONTAMINATION.

A. Explosives not Exposed.

When the explosives contents of a package or the explosive in a weapon has not been exposed, there is no immediate danger of explosion or fire and the following processes of weathering or decontamination can be employed:-

(i) With exposure to non-persistent gases, the packages or weapons can be decontaminated by weathering, followed by 100% inspection, cleaning and repainting as necessary. Any signs of condensation or moisture should be carefully wiped off.

(ii) With exposure to persistent gases, weathering is insuff-

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

War Office letters. A proportion of the contents has only a temporary relevance: information of permanent value will be incorporated in subsequent issues of R.A.O.S. pamphlets.

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A. Explosives not Exposed.

When the explosives contents of a package or the explosive in a weapon has not been exposed, there is no immediate danger of explosion or fire and the following processes of weathering or decontamination can be employed:-

(i) With exposure to non-persistent gases, the packages or weapons can be decontaminated by weathering, followed by 100% inspection, clearing and repainting as necessary. Any signs of condensation or moisture should be carefully wiped off.

(ii) With exposure to persistent gases, weathering is insufficient and decontamination is necessary. The following may be used for this purpose:-

(a) Bleach paste on wood packages, see Note 3 below.

(b) Petrol, paraffin or anti-gas ointment on steel or metal packages (except those containing bulk explosives), and weapons issued loose, such as shell, bombs or depth charges.

WARNING

Note 1. Petrol must not be used in buildings containing explosives.

Note 2. Dry bleach powder must not be used on any package or weapon containing explosives.

Note 3. Bleach paste must not be used for packages containing bulk explosives, pyrotechnics or smoke ammunition.

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B. Explosives Exposed.

When the explosives content of a package or weapon is exposed to toxic contamination, there may be a definite risk of explosion or fire. A summary of these risks is shewn in the attached Appendix.

It may not be possible in every instance of contamination to decide:-

(a) The nature of the explosive contents or filling involved.

or

(b) The type of toxic gas being used.

For this reason, the following action will be taken when exposed explosives are contaminated with gas.

(i) All weapons with exposed fillings, also those in which there is the slightest possibility that the gas has reached the explosive filling, will be destroyed by a qualified officer as soon as possible.

(ii) All pyrotechnic, smoke, or incendiary weapons having cardboard bodies, whether damaged or undamaged, will be destroyed as soon as possible.

(iii) Pending destruction as in (i) and (ii) the affected packages and weapons will be segregated into small units and thoroughly doused with water.

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SUMMARY OF RISKS.

A = is likely to be dangerous quickly  B = no immediate danger  C = no appreci... storage

| C.W. Agent | | | Picric Acid<br>R.D.X.<br>R.D.X. - T.N.T.<br>Guncotton<br>Neonite<br>Nitrocellulose Powders<br>Plastic Explosive (R.D.X.)<br>R.D.X.-B.W.X.<br>T.N.T.<br>Fumyl, Mk.2 | Pentolite<br>P.E.T.N.<br>Nobel's 851 and 852 | Ballistite<br>Blasting Gelatine<br>Cordite<br>Dynamite<br>Gelignite<br>Nobel's Explosive 808<br>Nobel's Explosive 822 | Amatol<br>Burrowi...<br>Picric ... Powder<br>Baratol<br>Gunpowde...<br>Ammonium ... Nitrat... |
|---|---|---|---|---|---|---|
| Type | Corresponding British Codes | | | | | |
| Persistent Gases | Vesicants | Y.3 to Y.6 and Y.13 to Y.30 | C | B | B | C |
| | | Y.31 | C | C | B | B ff |
| | | Y.7 to Y.10 | C | B | B f | A |
| | Tear Gases | B.3, B.4 | C | C | C | C |
| Non Persistent | Choking and Nose | G.1 | C | C | A | A |
| | | G.10 | C | C | C | C |

NOTES:
1. In hot climates all reactions are accelerated.
2. f Ballistite will be treated as an A risk.
3. ff Ammonium nitrate will be treated as an A risk.
4. fff Pyrotechnics, Smoke and Incendiary will be treated as an A risk.

66CC

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SUMMARY OF RISKS.

rour quickly  B = no immediate danger  C = no appreciable danger under service storage conditions.

| | Picric Acid<br>R.D.X.<br>R.D.X. - T.N.T.<br>Guncotton<br>Neonite<br>Nitrocellulose Powders<br>Plastic Explosive (R.D.X.)<br>R.D.X.-B.W.X.<br>T.N.T.<br>Fumyl, Mk.2 | Pentolite<br>P.E.T.N.<br>Nobel's 851 and 852 | Ballistite<br>Blasting Gelatine<br>Cordite<br>Dynamite<br>Gelignite<br>Nobel's Explosive 809<br>Nobel's Explosive 822 | Amatol<br>Burrowite<br>Picric Powder<br>Baronol<br>Gunpowder<br>Ammonium Nitrate | Ammonal<br>Minol<br>Torpex<br>Nobel's Explosive 7048<br>All Pyrotechnics<br>All Smoke Group XI<br>All Incendiary<br>Fumyl Mk.3 | C.E. |
|---|---|---|---|---|---|---|
| 6 } ,30) | C | B | B | C | A | C |
| | C | C | B | B // | B | C |
| 10 | C | B | B / | A | A | C |
| | C | C | C | C | A | C |
| | C | C | A | A | A | C |
| | C | C | C | C | B /// | B |

1. In hot climates all reactions are accelerated.
2. / Ballistite will be treated as an A risk.
3. // Ammonium nitrate will be treated as an A risk.
4. /// Pyrotechnics, Smoke and Incendiary will be treated as an A risk.

927. FIRST-AID MEASURES FOR GAS CASUALTIES.

(1) It is very necessary that all personnel handling C.W. ammunition should be fully acquainted with the appropriate first-aid procedure. The instructions set out in (2) below apply to personnel under conditions such as those obtained in Ordnance Depots. During actual fighting, gas is just another weapon, and the usual war risks must be taken. The instructions set out in (3) below are intended for Medical Inspection Room personnel at such depots.

(2) First-Aid Instructions for all ranks and civilians at Ordnance Depots.

Prevention is better (and frequently easier) than cure. Therefore treat as casualties men who suspect they have been contaminated. Also remember SPEED IS ESSENTIAL.

(a) Liquid Mustard Gas in the eye.

(i) Though the pain may be slight, the case is serious and every second counts.

(ii) Make the patient lie on his back.

(iii) Swab any liquid mustard off the skin near the eye.

(iv) Hold the eye open and pour in at least two pints of the first available bland fluid, e.g. normal saline, boracic lotion or water.

(v) Evacuate to Medical Officer.

(b) Liquid Lewisite in the eye.

(i) Causes immediate pain and the eye closes tightly.

(ii) Rub B.A.L. ointment between the lids and, as soon as the eye can be opened, thereafter pull down the lower lid and apply more ointment inside it.

(iii) If eye ointment B.A.L. is not available, irrigate as for liquid mustard gas.

(c) All liquid vesicants on the skin or clothes.

(i) Personal decontamination (swab off free liquid and rub in anti-gas ointment for 30 seconds).

(ii) In static conditions, it is better to remove the

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(2) First-Aid Instructions for Unit Issue and Civilians at Ordnance Depots.

Prevention is better (and frequently easier) than cure. Therefore treat as casualties men who suspect they have been contaminated. Also remember SPEED IS ESSENTIAL.

(a) Liquid Mustard Gas in the eye.

(i) Though the pain may be slight, the case is serious and every second counts.

(ii) Make the patient lie on his back.

(iii) Swab any liquid mustard off the skin near the eye.

(iv) Hold the eye open and pour in at least two pints of the first available bland fluid, e.g. normal saline, boracic lotion or water.

(v) Evacuate to Medical Officer.

(b) Liquid Lewisite in the eye.

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(iii) If eye ointment B.A.L. is not available, irrigate as for liquid mustard gas.

(c) All liquid vesicants on the skin or clothes.

(i) Personal decontamination (swab off free liquid and rub in anti-gas ointment for 30 seconds).

(ii) In static conditions, it is better to remove the suspected clothing for decontamination by boiling than to apply ointment to the clothing as in personal decontamination.

(iii) With lewisite, in addition to the above, apply B.A.L. ointment to the affected skin if there has been any delay in carrying out personal decontamination.

(iv) If the skin is red, it is too late to carry out personal decontamination. Report to the Medical Officer immediately.

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(d) Phosgene.

(i) Adjust respirator.

(ii) Lay the patient down and do not let him exert himself in any way.

(iii) Remove the contaminated clothing. The casualty must not do this for himself.

(iv) Keep the patient warm and give him hot sweet tea.

(v) Carry the patient on a stretcher to the Medical Officer.

(vi) Smoking, alcoholic beverages and artificial respiration are forbidden.

(e) Tear Gases.

(i) Liquid tear gas on the skin should be removed with soap and water. Do not use anti-gas ointment.

(ii) Liquid tear gas in the eye causes immediate pain and should be dealt with as for liquid mustard gas.

(f) C.S.A. and C.S.A.M.

(i) C.S.A. or C.S.A.M. on the skin should be washed off or a wet field dressing should be applied. The clothing should be removed and the patient evacuated to the Medical Officer.

(ii) C.S.A. or C.S.A.M. in the eye should be treated as for liquid mustard gas.

(g) Phosphorus burns.

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The only way to extinguish burning phosphorus is to wet it and keep it wet as, if the moisture dries, the phosphorus re-ignites. Oil or spirits must never be used.

(i) Jump into a bath or nearest available water.

(ii) If a supply of water is not available, strip off the burning clothes.

(iii) Cover the affected skin with wet dressings.

(iv) Evacuate the patient to the [illegible]

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(vi) Smoking, alcoholic beverages and artificial respiration are forbidden.

(e) Tear Gases.

(i) Liquid tear gas on the skin should be removed with soap and water. Do not use anti-gas ointment.

(ii) Liquid tear gas in the eye causes immediate pain and should be dealt with as for liquid mustard gas.

(f) C.S.A. and C.S.A.M.

(i) C.S.A. or C.S.A.M. on the skin should be washed off or a wet field dressing should be applied. The clothing should be removed and the patient evacuated to the Medical Officer.

(ii) C.S.A. or C.S.A.M. in the eye should be treated as for liquid mustard gas.

(g) Phosphorus burns.

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The only way to extinguish burning phosphorus is to wet it and keep it wet as, if the moisture dries, the phosphorus re-ignites. Oil or spirits must never be used.

(i) Jump into a bath or nearest available water.

(ii) If a supply of water is not available, strip off the burning clothes.

(iii) Cover the affected skin with wet dressings.

(iv) Evacuate the patient to the Medical Officer.

(h) Thermal burns.

(i) Apply first field dressing. Apply Gentian Violet Jelly first if there is likely to be a long delay before the patient can be seen by the Medical Officer.

(ii) Do not use soap, oil, baking powder, tannic acid, etc.

(iii) Keep the patient warm.

(iv) Evacuate the patient to the Medical Officer.



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(3) Additional instructions for Medical Inspection Room personnel at Ordnance Depots.

Inspection room personnel must know the first-aid procedure as detailed above.

Treat as casualties men who suspect they are contaminated. In all cases the hospital should be notified and the type of contamination mentioned.

All service casualties must be reported by the hospital to:-

Officer Commanding,
R.A.M.C. School of Instruction (C.W.),
Boyce Barracks,
Aldershot,

and serious cases in addition to:-

Chemical Defence Experimental Station,
Porton,
Nr. Salisbury, Wilts.

(a) Mustard gas in the eye.

(i) Unless irrigation is done within ten minutes, it should not be carried out at all as a first-aid measure. (The bottle in the first-aid set should contain normal saline solution: eight tablets per bottle).

(ii) The pupils should be dilated with Atropine Sulphate 1% or Hyoscyamus Muticus 1%

(iii) The eyes should not be bandaged: an eye shade or paper flap may be used as a protection from the light.

(iv) Cocaine should not be used but, if the pain is severe, give 1/4-gr. morphia.

(b) Lewisite in the eye.

(i) The quicker the B.A.L. ointment is used, the better the result. It should be applied any time up to an hour after contamination.

(c) Liquid vesicants on the skin.

(i) The most urgent need, as with all liquid gases, is to swab off any free liquid.

(ii) Anti-gas ointment must be rubbed in hard for half a

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and sericus cases in addition to:-

Chemical Defence Experimental Station,
Porton,
Nr. Salisbury, Wilts.

(a) Mustard gas in the eye.

(i) Unless irrigation is done within ten minutes, it should not be carried out at all as a first-aid measure. (The bottle in the first-aid set should contain normal saline solution: eight tablets per bottle).

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(iii) The eyes should not be bandaged: an eye shade or paper flap may be used as a protection from the light.

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(i) The quicker the B.A.L. ointment is used, the better the result. It should be applied any time up to an hour after contamination.

(c) Liquid vesicants on the skin.

(i) The most urgent need, as with all liquid gases, is to swab off any free liquid.

(ii) Anti-gas ointment must be rubbed in hard for half a minute.

(iii) Contaminated clothing should be removed out of doors and kept out of doors or in sealed containers. Such clothing can be handled if a free layer of ointment is left on the hands.

IF THE SKIN IS REDDENED OR IF BLISTERS HAVE APPEARED.

(iv) Swab the affected parts thoroughly with 20% Dettol.

(v) Lewisite blisters should be opened with a sterile needle and swabs soaked with a 10 vol hydrogen peroxide applied. A soaked swab may be left in place as a wet dressing. Mustard blisters should be broken with a sterile needle leaving the dead skin. Small blisters should be allowed to collapse normally as the blister contents are not dangerous



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(vi) Apply liquid paraffin acriflavine emulsion.

(vii) Bandage:- (a) Jaconet, (b) Pad cotton wool, (c) bandage.

(d) Phosgene.

(i) Suspected casualties should be rested for 24 hours if possible, even though they state they feel recovered.

(ii) Serious cases receive great benefit from oxygen.

(e) C.S.A. and C.S.A.M.

(i) No difficulty should be experienced in making a diagnosis from the story told by the patient.

(f) Phosphorus burns.

Most of the damage is probably due to the clothing having caught fire. Therefore treat as for thermal burns. The phosphorus burn itself should be left moist.

(i) Wash immediately with sodium bicarbonate solution.

(ii) Wash with 1% Copper Sulphate solution.

(iii) Remove the dark-coloured deposit with forceps.

(iv) If in doubt, examine in the dark for phosphorescence.

(v) Wash with 10% Dettol.

(vi) Apply Gentian Violet Jelly and a sterile dressing.

N.B. No oils or greasy dressings and no tannic acid, triple dye or brilliant green must be used in the treatment of phosphorus remaining in the tissues. Oils and greases are solvents of phosphorus and their use while it is present will cause risk of poisoning by absorption.

APPENDIX A.

5896

STORES FOR FIRST-AID CABINET.

1 Irrigation Bottle (1/2 gallon) with Y tube, rubber tube and clips.

1 Bottle Saline Solution. 1 Tin B.A.L. Ointment.

1 Bottle Calamine 1 Bottle 1% Copper Sulphate Solution.

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

caught fire. Therefore treat as for charred burns. The phosphorus burn itself should be left moist.

(i) Wash immediately with sodium bicarbonate solution.

(ii) Wash with 1% Copper Sulphate solution.

(iii) Remove the dark-coloured deposit with forceps.

(iv) If in doubt, examine in the dark for phosphorescence.

(v) Wash with 10% Dettol.

(vi) Apply Gentian Violet Jelly and a sterile dressing.

N.B. No oils or greasy dressings and no tannic acid, triple dye or brilliant green must be used in the treatment of phosphorus remaining in the tissues. Oils and greases are solvents of phosphorus and their use while it is present will cause risk of poisoning by absorption.

APPENDIX A.

STORES FOR FIRST-AID CABINET.

1 Irrigation Bottle (1/2 gallon) with Y tube, rubber tube and clips.

| | |
|---|---|
| 1 Bottle Saline Solution. | 1 Tin B.A.L. Ointment. |
| 1 Bottle Calamine | 1 Bottle 1% Copper Sulphate Solution. |
| 1 Bottle Dettol | 1 Bottle Sodium Bicarbonate Solution. |

1 Bottle Liquid Paraffin Acriflavine Emulsion.

| | |
|---|---|
| 4 tins anti-gas ointment. | 1 tube Gentian Violet Jelly. |

Cotton wool. Jaconet Bandage. Safety pins. Scissors.

Forceps. Torch. 1 Bowl, Enamel, Iron, 8-in.

First-Aid Dressing (large). First-Aid Dressings (small).

W.S.9.
Metropole Buildings.
VIC.6622, Ext.187.
12th. February, 1945.
ejw/b.
Republished by S.I.O.O.
March, 1945.
RMDS/985/600/3-45.



5896

Declassified E.O. 12065 Section 3-402/NNDG No. 785020

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Subject: Ammuniti Notes.

British Element (Ordnance Branch),
Rear HQ Fifth Army, C.M.F.

Phone : LIGHTNING REAR 176.

Ref : 54/Ord/4/517.

Date : 26 March 45.

To : D.A.D.S.T., 52 B.L.U.
D.A.D.O.S., 52 B.L.U.

Enclosed notebook on ammunition prepared by this HQ for use of R.A.O.C. officers. You may consider it worthwhile to pass on the notes to the Gruppi ammunition officers.

Field.

L.MARETTI, Captain,
for Lt-Col., A.D.O.S.

66

File the letter & part note
Records in Library. 7/14051
with Index explanation
Crumbs.

5895

2 1945

Subject: Nomenclatures.

British Element, (Ordnance Branch),
Rear HQ 15th Army, O.K.

Phone : KNIGHTS REAR 173.

Ref : 5A/03/4/503

Date : 26 March 45.

18

To: D.D.O.S. 13 Corps.
C.O.O.O. 6 S.A. Armd Div.
D.A.D.O.S. 52 B.L.U. ✓
O.C. 57 O.B.D. (Ammo Sec).
O.C. 12 F.M.A.P.
H.Q. 1/c 45 M.A.P.U.

Copy to C(OM) HQ 5 Army.
"G" Instr Instr HQ 5 Army.

---

Attached A.F.H.Q. letter (copy) DOS/23/4(4) of 22 March 45 for information and action as necessary.

H. [illegible], Captain,
for Lt-Col., A.D.O.S.

Field.

COPY.

ALLIED FORCE HEADQUARTERS
ORDNANCE (BRITISH).

---

Subject : Nomenclatures - 95 Mk.

Tel : Freedom 801.

Ref : DOS/23/4(4).

Date: 22 March 45.

C.C.O., 14 A.D.
C.O.O. 16 B.A.D.
C.O.O. 5 A.A.D.
C.O.O. 21 A.A.D.
C.O.O. 29 A.A.D.

C.C. 15 Army Group for Ord Brit.
C.C. 5 Army for Brit Ino Mer Ord.
D.D.O.S. Eighth Army.
D.D.O.S. 1 District.
D.D.O.S. 2 District.
D.D.O.S. 3 District.

5894

Further to my DOS/23/4(4) of 19 Feb 45.

[illegible]

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

information and action as necessary.

H.M.Marshall, Captain,
for Lt-Cols, A.D.C.S.

Field.

COPY.

ALLIED FORCE HEADQUARTERS
CASERTA (ITALY).

Tel : Tiredom 301.

Ref : DCS/23/4(4).

Date: 22 March 45.

Subject : Nomenclatures - 95 Mk.

C.C.C., 14 B.A.D.
C.C.C. 16 B.A.D.
C.C.C. 5 A.A.D.
C.C.C. 21 A.A.D.
C.C.C. 23 A.A.D.

C.G. 15 Army Group For Grd Brit.
C.G. 5 Army for Brit Inc For Grd.
D.D.C.S. Eighth Army.
D.D.C.S. 1 District.
D.D.C.S. 2 District.
D.D.C.S. 3 District.

5894

Further to my DCS/23/4(4) of 19 Feb 45.

The H.E. A.P. Hollow Charge round for 95 mm Tank How will be known as:-

Cartridge C.F. fixed 95 mm Tank How H.E. Hollow Charge - 253 Fuze.

Contraction for the D.A.D. will show:-

95 mm Tank How H.E. Hol Chge fuze 253.

(Sgd) [illegible] Capt.,
A.J.Harper, Capt.,
for Maj-Gen,
D.C.S., A.F.H.Q.

1

Declassified E.O. 12065 Section 3-402/NNDC, No. 785020

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Subject:- Cartridges 2½ inch Nobels 808.

SECRET DRD/17

British Increment (Ordnance Bch)
HQ Fifth Army, C.F.

Phone : LIGHTNING REAR 173

Ref : 5A/OS/G/509

Date : 23 March 45.

TO : DDOS 13 Corps
CQSC 6 SA Armd Div
DADOS 52 HLU
OC 37 CKD
OC 12 EMAS

Copies to: 'Q' Brit Incr 5 Army
Engr Section(Br) 5 Army.

The issue of Nobels 808 in 2½ inch diameter carts will only be authorised to units equipped with Snakes and Tapeworms, unless a definite requirement is proved, which can not be met b any other form of 808.

Depots will ensure that they do not issue 2½ inch carts against releases for bulk 808.

5893

H.MARTIN, Capt.
for Lt. Col. ADOS.

Field.

26 MAR 1945

ORD/14 (16)

Subject: Design S.B. M.L. H.E. 4.2inch Mortar [illegible] packed x 4 in G. 250.

SECRET WIRE.

British Liaison, (Ordnance Branch),
Room [illegible] Army, G.H.Q.

Phone : LIAISON Nine 173.

Ref : M 34/OB/4/305.

Date : 21 March 45.

To: D.D.O.S., 13 Corps.
C.O.S.O.C., 6 S.A. Armd Div.,
O.C., 37 O.D.U. (Adm Box).
12 F.M.A.S.
D.A.D.O.S., 52 B.L.U.

Attached A.F.V. letter M34/3/10/10(4) of 18 March 45 for information and action as necessary.

H.MARSH, Captain,
for Lt-Col., A.D.O.S.

Encls.

SECRET.

ALLIED FORCE HEADQUARTERS
ORDNANCE (TECHNICAL)

SUPPLEMENTAL

Subject : Design S.B. M.L. H.E. 4.2inch Mortar S.B. packed x 4 in G. 250.

To : D.D.O.S. Rear H.Q. Eighth Army
A.D.O.S. Delta Inc. 5th Army
C.O.O. No. 14 L.L.D.
C.O.O. No. 15 L.L.D.
C.O.O. No. 5 Armd D.
C.O.O. No. 21 A.F.D.
C.O.O. No. 25 A.F.D.

Copy : D.D.O.S. No. 1 District
D.D.O.S. No. 2 District
D.D.O.S. No. 3 District
A.D.O.S. 15 Army Group

Note : Encloses 2/0

Refer : M34/3/10/10(4)

18 March 45.

M 5892

Declassified E.O. 13065 Section 3-402/NNDG No. 785020

Attached A.F.W. . Letter ref/S/10/10(A) of 13 March 45 for information and action as necessary.

H.MARTIN, Captain,
for Lt-Col., A.D.C's.

Field.

COPY.

ALLIED FORCE HEAD QUARTERS
GERMANY (BRITISH)

CONFIDENTIAL

Subject : Bombs H.E. M.C. U.S. 2,000lb Mortar
3.C. packed x 4 in C. 235.

To : D.D.O.S. Near H.Q. Eighth Army
A.D.O.S. Brit. Ins. 5th Army
O.C.O.C. No. 44 R.A.F.
O.C.O.C. No. 46 R.A.F.
O.C.O.C. No. 5 Group
O.C.O.C. No. 21 A.C.U.
O.C.O.C. No. 25 A.C.U.

Copy : D.D.O.S. No. 1 District
D.D.O.S. No. 2 District
D.D.O.S. No. 3 District
A.D.O.S. 15 Army Group

H.Q., M.T.S.P.U. (Med.Area)
Comdt. R.A.F.U. Eng. Detail. etc.

Tele : Freedom 900

Refer : ref/S/10/10(A)

13 March 45.

No 5892

1. Instances have been reported of the 2-round chambers used in the above being unserviceable owing to the presence of small hole or holes in the cylinders. The holes have the appearance of having been drilled.

2. No special examination will be made for this defect, but whenever inspection of 4.2in Mortar ammunition is carried out for any other reason the serviceability of the chambers will be checked at the same time.

(GS) H.K.O.Eastman Capt.,
for Majesty,
D.D.O.S., A.F.W.'s.

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Subject:- Issues to Italian Forces - Vouchers. Ref:- DCOO/24/1.

To:- D.A.D.C.S. 52 B.L.U.

(15)

Reference your ORD/14 dated 9th March 1945.

1. Herewith copy 3 of Voucher for Stores for I.O. 4827 for your retention.

C.M.F.
12th March.45.
JEAH.

for Lieut. Colonel, C.O.O. 16 B.A.D. Major,

1945 5891

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

218

# VOUCHER FOR STORES

INDENT DEMAND OR I.O. No. 4827

NORMAL/SPECIAL

DEGREE OF URGENCY

FROM C.O.O. 16. B.A.D.

TYPE OF TRANSACTION* ISSUE.

DATE 1/1/45.

VOUCHER TO
FULL POSTAL ADDRESS

52. B.L.U.

ADDRESS FOR STORES

SAME

ROAD COLLECTION.

NO. OF SHEETS 1

SHEET NO 1

SELECTED BY — INITIALS — DATE

PACKED BY — INITIALS — DATE

A.D.O.S. No.

AUTHORITY AFHQ 16/422 19/2/45.

| CATALOGUE OR PART NO. | SECTION / DESIGNATION | QUANTITIES REQUIRED | QUANTITIES ISSUED | QUANTITIES TO FOLLOW | RATE | VALUE £ S. D. | PACKAGE DESCRIPTION # | PACKAGE MARKING | PACKAGE ON WHAT VOUCHER CHARGED | PACKAGE MEASUREMENT |
|---|---|---|---|---|---|---|---|---|---|---|
| | 25 PDR SHELL HE. | 452 | 452 | NIL | | | Z | | THIS | |
| | 25 PDR CARTS NORM. FLASH. | 456 | 456 | NIL | | | Z | | THIS | |

MARCELLO ALDR

* Stores issued on Exchange or Expense Vouchers will not be brought on charge.

# A—Cases. B—Bales or Bundles. C—Crates. D—Drums or Cylinders. E—Cartons. K—Kegs. L—Loose. M—Baskets. P—Parcels. S—Sacks. T—Tins. V—Vats. Z—Cases special to contents.

51809/784. 900M Pads. W.W.2.8. 1/42. 51/4005.

Particulars of Despatch — Mode of Conveyance (If shipped, name of vessel) ROAD

Date of Despatch ..... Carriers Note No. .....

RECEIPT for STORES

SIGN and RETURN RED COPY.

Signature A. Capanelli

Rank A/Marcello Capanelli

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

# VOUCHER FOR STORES

DEGREE OF URGENCY

FROM C.A.O. 16 B.A.D.
ADDRESS FOR STORES

SAME

ROAD COLLECTION.

TYPE OF TRANSACTION* ISSUE.

DATE 1/2/45.

NO. OF SHEETS 1 SHEET NO 1

| SELECTED BY | INITIALS | DATE |
|---|---|---|
| PACKED BY | | |

A.D.O.S. NO.

ARMY FORM G.892D (LARGE) CONTROL NO. 3

FULL
XXXXXX
COMPLETION

22 19/2/45.

| | QUANTITIES | | | RATE | VALUE £ S D | PACKAGE DESCRIPTION* | MARKING | ON WHAT VOUCHER CHARGED | MEASUREMENT | TONNAGE HEAVY T. | C. | Q. | LDS | LIGHT T. | CWTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | REQUIRED | ISSUED | TO FOLLOW | | | | | | | | | | | | |
| | 452 | 452 | NIL | | | Z | | THIS | | | | | | | |
| ASH. | 456 | 456 | NIL | | | Z | | THIS | | | | | | | |

MARCELLO ALDRIGHETTI

RECEIPT VOUCHER NO. DATE

Particulars of Despatch: Mode of Conveyance (If shipped, name of vessel) ROAD
Date of Despatch ..... Carriers Note No. .....

RECEIPT for STORES
SIGN and RETURN RED COPY.

Signature Aldrighetti
Rank Marcello Caporale

*C=Crates K=Kegs S=Sacks

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Qa

(14)

Subject:- Issues of Ammn to Gruppi - Accounting Procedure.

H.Q. 15 ARMY GROUP

Tel:- FOXGLOVE 359

ORD4/4609/23

12 March 45

D.D.O.S. 8 Army
A.D.O.S. Brit Inc 5 Army
50 B.L.U.
51 B.L.U.
52 B.L.U.
53 B.L.U.
56 B.L.U.

Copy to:- D.O.S., A.F.H.Q.
Land Forces Sub. Comm. A.C. (M.M.I.A.) Zone.

4

With reference to D.O.S. letter DOS/55/4(4) of 17 Feb 45.

1. Instances have been reported by Depots of convoys endeavouring to collect ammn without an officer being available to sign the voucher.

2. It is once again emphasised that issue will be refused in such circumstances.

Colonel
Secretary

J.J. Thomas Maj.
for Lt-Colonel.
ADOS.

5889

15 MAR 1945

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

(13)

52 British Liaison Unit
CMF
13 Mar 42

AQ/5/41

SUBJECT:- Ammunition

To:- HQ Legnano
Gruppo di Combattimento

The following ammunition has been released under issue order 21/57 and will be collected by you immediately:-

40 mm A.P. 288

This ammunition will be drawn from 21 Adv Amn Depot, authority for collection being AFHQ signal FX42328 of 12 Mar addressed to 21 A.A.D. and 52 BLU.

Collecting officer must produce a letter from you quoting the above authority and issue order number.

14 MAR 42

Major.
DAA&QMG.

WW.

Copy to DADOS
52 BLU.

5885

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

96541

(12)

Subject:- Amn. First Line.

52 B.L.U.
C.M.F.
ORD/14.
13 Mar. 45.

S.S.M.S. Yarrow.
S.S.M.S. Denby.
S.S.M.S. Lyon.

Attached herewith copy of DAA & QMG's letter A.A/5/31 of 7 Mar. 45., for your information and necessary action.

Major.
(G.K. Gordon.)
D.A.D.O.S.

5887

COPY

SUBJECT :- Ammunition - First Line

(11)

52 BLU,
CMF
7 Mar 45
AQ/5/34

To : HQ LEGNANO Gruppo di Combattimento

The First Line Scale of amn for the Gruppo has now been released and will be collected immediately from 21 AAD. Authority :- DISTONE signal OS/132 of 6 Mar 45.

Natures released are as follows :-

| | |
|---|---|
| 25 pdr HE | 4608 |
| " Smoke | 512 |
| " AP | 394 |
| 17 pdr AP | 720 |
| 40 mm HE | 3168 |
| " AP | 567 |
| 6 pdr AP | 2160 |
| "3 Mortar HE | 4960 |
| "3 " Smoke | 1280 |
| 2" Mortar HE | 4200 |
| " Smoke | 9240 |
| " Illum | 1680 |
| " S.Red | 840 |
| " S.Green | 840 |
| " Multi Star White | 100 |
| LMG | 747000 |
| .303 Bdr | 684650 |
| .45 Auto | 648000 |
| .38 Rev | 7568 |
| PIAT | 3564 |
| Grenades 36 | 3360 |
| " 69 | 1500 |
| " 75 | 3264 |
| " 77 | 2904 |
| Bombs Incend. | 150 |

TOTAL WEIGHT:- 290 Tons

Please ensure that this amn is distributed to Units on

5886

declassified E.O. 12065 Section 3-402/NNDC No. 785020

| | |
|---|---|
| 25 pdr HE | 4800 |
| " Smoke | 512 |
| " AP | 394 |
| 17 pdr AP | 720 |
| 40 mm HE | 3168 |
| " AP | 567 |
| 6 pdr AP | 2160 |
| "3 Mortar HE | 4960 |
| "3 " Smoke | 1280 |
| 2" Mortar HE | 4200 |
| " Smoke | 9240 |
| " Illum | 1680 |
| " S.Red | 840 |
| " S.Green | 840 |
| " Multi Star White | 100 |
| LMG | 747000 |
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| .45 Auto | 648000 |
| .38 Rev | 7668 |
| PIAT | 3564 |
| Grenades 36 | 3360 |
| " 69 | 1500 |
| " 75 | 3264 |
| " 77 | 2904 |
| Bombs Incend. | 150 |

TOTAL WEIGHT:- 290 Tons

Please ensure that this amn is distributed to Units on authorized scale immediately after collection from AAD, and send completion report to this office.

(Sgd) I.A. PINFOLD
Major,
for, DAA & QMG.

IAP/WN

Copy to :- DADOS 52 BLU [redacted]
DADST 52 BLU [redacted]

13 MAR 1945

Copy sent to Bombs Section 12.

5886

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

NOTES ON AMMUNITION SUPPLY AND REPLENISHMENT IN THE FIELD

1. General Principles

(a) Amn is passed automatically from rear to front to replace that expended in battle.

(b) Requirements vary in relation to the operation in progress so that if sudden or unforeseen demands are made, they must be met at once. All APs (Amn Points) will operate 24 hrs a day.

(c) On a Divisional basis amn is divided into two scales :- First and Second Line.
(i) First line being held by the Unit and carried in their domestic transport. (In the case of Small Arms Amn etc an agreed scale is carried by the man).
(ii) Second line being held by Tpt Coy.

(d) The scale of First and Second Line Holdings is laid down in accordance with an authorized War Establishment.

2. Replenishment

(a) First and Second Line must at all times be kept up to scale.

(b) Demands from Units will be made on the Tpt Coy to replace that expended. This will normally be drawn fromthe Second Line Holdings, and it is the responsibility of the Tpt Coy to draw fromThird Line (Forward Maintenance Area) to make up their stocks.

■ 5885

3. Method

(a) Amn in the Divisional Maintenance Area

(i) Second Line Amn is usually held by the Tpt Coy in the DMA, and is under the control of personnel from the Specialist Platoon (It might be necessary to have a Forward Amn Point :- see below).

(ii) Artillery Units will sends demands direct to the DMA by Motor Cyclist, and the Amn Offr will detail the necess- ary lorries which will accompany the Motor Cyclist back to the Regimental Lines, or possibly sometimes

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

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Demands should as far as possible be made out in complete lorry loads. It is understood that it has already been agreed that Anti-Tank and AA Batteries will draw their Amn in the same way as Infantry Units. (see below)

(iii) Infantry Units will replace their expended amn as follows an agreed scale is held by the Company and Bn HQ, in addition to that carried by the men and with the weapon. This scale will depend on the tactical situation As the Amn is expended it is replaced from Front Line Reserve, usually located near Bde HQ. Unit vehs are then sent to the DMA (or Fwd AP) with a demand for the replacement of amn required.

(b) Forward Amn Point.

(i) It is often necessary for the Tpt Coy to open and man a Forward Amn Point: in advance of the normal Page 2.....

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

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Declassified E.O. 12065 Section 3-402/NNDC No. 785020

maintenance Area (depending on Tactical situation roads, length of turn round). The method employed as regards demands from Artillery and Infantry and their replenishments is exactly same as in the case of supply from a DMA.

(ii) Whenever possible the amn at the AP should be kept on wheels. Its holdings must be maintained constantly at the level ordered by higher authority by immediate replenishments from DMA. Therefore as soon as a delivery is made, vehs will return direct to the DMA and full vehs sent up automatically to replace them.

(iii) Vehs loaded with Small Arms Amn etc: should be parked in such a way that the load can be transferred easily to the Unit vehicle collecting it. (Tail-Board to Tail-board).

4. Salvage

This is of great importance.

(a) All Units sending vehs to DMA or AP to collect Amn should use them to send back amn salvage. In the same way vehs of the Tpt Coy delivering forward should collect salvage before returning.

(b) For easy loading it is advisable for Units to have a centre Salvage Dump, to which all Salvage collected from Gun Positions etc, is delivered. This is a Unit responsibility

(c) A Salvage Dump will be operated in the DMA and likewise the Tpt Coy vehs going back to FMA to replenish, will proceed loaded with salvage.

5884

Declassified E.O. 12065 Section 3-402/NNDC No. 7850 20

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Subject :- Ammunition Vouchers.

52 British Liaison Unit,
C.M.F.
ORD/14
9 March 45.

10

C.O.O.,
16 B.A.D.
C.M.F.

8

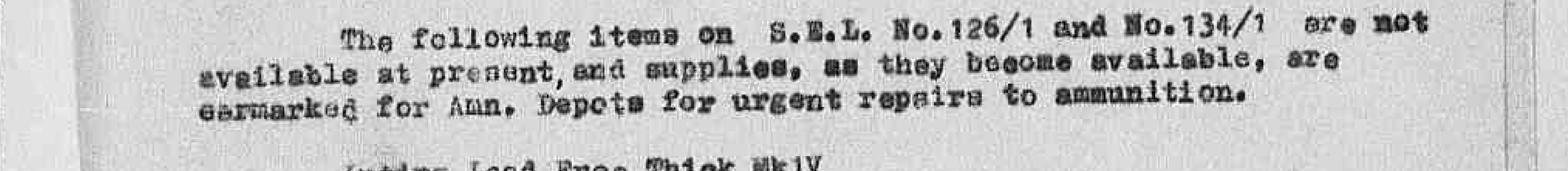
Reference your DCOO/24/1 dated 3rd March 45.

1. Herewith receipted 1 & 2 copies of your Issue Voucher, please forward copy 3 for our retention.

M. Clark
Major.
(~~G.W. GORDON~~)
D.A.D.O.S. 52 B.L.U.

5883

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020



(9) (9) (9)

Subject:- Non-Explosive Ancillaries.

52 B.L.U.
C.M.F.
ORD/14.
9 Mar.45.

M.Q.,
250 Reparto T. e R.

O.C.;
G.T. Coy.

The following items on S.E.L. No.126/1 and No.134/1 are not available at present, and supplies, as they become available, are earmarked for Amn. Depots for urgent repairs to ammunition.

Luting Lead Free Thick Mk.IV
" " " Thin Mk.V
Shellac Grade 1
Keys cases Powder Metal Lined Mk.11 or Mk.1
Screwdrivers Amn. Work 3/16"
Tape Adhesive 1"
Screws Fixing Fuse B. Mk.1

Zu 5882

Major.
(G.W.GORDON.)
DADOS 52 B.L.U.

Copy to:- B.O.W.O. Denby.
(Indents 3165,3183 & 3185 refer.)

Declassified E.O. 12065 Section 3-402/NNDS NO. 785020

Subject:- Issues to Italian Forces - Vouchers. Ref:- DCOO/24/1.

To:- 52 B.L.U., C.M.F.

8 ORD/14

Reference issue made to you under AFHQ authority 16/422, my issue order 4827 refers.

In order that the proceedure laid down in DOS/55/4(4), dated 6th Nov. 1944 and 17TH Feb. 1945, may be observed, will you please sign the attached vouchers 1 and 2 and return them to this office, at your earliest convenience.

On receipt of the a/m copies, we will forward copy 3 for your retention.

5881

C.M.F.
3rd March.45.
JEAH.

A. b. W. Davey
Major,
for Lieut. Colonel, C.O.C. 16 B.A.D.

DWDO? action ID

SUBJECT:- Ammunition - First Line

ORD/14.7

52 British Liaison Unit.
CMF.
7 Mar 45

To:- HQ Legnano
Gruppo di Combattimento

A2/5/34

The First Line Scale of ammunition for the Gruppo has now been released and will be collected immediately from 21 A.A.D. Authority:- Distone signal OS/132 of 6 Mar 45.

Natures released are as follows:-

| | | |
|---|---|---|
| 25 pdr | HE | 4608 |
| " | Smoke | 512 |
| " | A.P. | 394 |
| 17 pdr | A.P. | 720 |
| 40 mm | H.E. | 3168 |
| " | A.P. | 567 |
| 6 pdr | A.P. | 2160 |
| 3" Mortar | H.E. | 4960 |
| " | Smoke | 1280 |
| 2" Mortar | H.E. | 4200 |
| " | Smoke | 2240 |
| " | Illum | 1680 |
| " | S.Red | 840 |
| " | S.Green | 840 |
| " | Multi Star White | 100 |
| L.M.G. | | 747000 |
| .303 Bdr | | 684650 |
| .45 Auto | | 648000 |
| .38 Rev | | 7668 |
| PIAT | | 3564 |
| Grenades | 36 | 3350 |
| " | 69 | 1500 |
| " | 75 | 3264 |
| " | 77 | 2904 |
| Bombs Incend. | | 150 |

TOTAL WEIGHT:- 290 Tons

5880

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

| | | |
|---|---|---|
| 25 pdr | HE | 4608 |
| " | Smoke | 512 |
| " | A.P. | 394 |
| 17 pdr | A.P. | 720 |
| 40 mm | H.E. | 3168 |
| " | A.P. | 567 |
| 6 pdr | A.P. | 2160 |
| 3" Mortar | H.E. | 4950 |
| " | Smoke | 1280 |
| 2" Mortar | H.E. | 4200 |
| " | Smoke | 9240 |
| " | Illum | 1680 |
| " | S.Red | 840 |
| " | S.Green | 840 |
| " | Multi Star White | 100 |
| I.M.G. | | 747000 |
| .303 Bdr | | 684650 |
| .45 Auto | | 648000 |
| .38 Rev | | 7668 |
| PIAT | | 3564 |
| Grenades | 36 | 3350 |
| " | 69 | 1500 |
| " | 75 | 3264 |
| " | 77 | 2904 |
| Bombs Incend. | | 150 |

5880

TOTAL WEIGHT:- 290 Tons

Please ensure that this ammunition is distributed to Units on authorised scale immediately after collection from the A.A.D., and send completion report to this office.

L.D. Pinfold
Major.
for, DAA&QMG.

LAP/WN.

Copy to:- DADOS 52 BLU
DADST 52 BLU

8 MAR 1944

Declassified E.O. 12065 Section 3-402/NNDC No. 785020

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

Subject:- Non Explosive Ancillaries. 1D/44(6)OS ORD/14

To:- DADOS. 52 BLU. 23 Feb. 45. (6)

Reference attached Indents 3165, 3183, and 3185.

These items are not available at present and supplies as they become available are earmarked for AAD's and BAD's for urgent repairs to ammunition.

A.G. Bartram

(A.G. BARTRAM ) Capt.,
for Colonel, D.D.O.S.,
H.Q. No. 1 District.

C.M.F.
Tel. 6196

5879

0 6 6 71

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Army Form 6978
(Pads of 200)

No. of Sheets _____

Sheet No. _____

Issue Order No. 165

Date 20 2 45

# NORMAL OR SPECIAL

Authority TO EQUIP TO SCALE S.E.L. No. 126/1.

Issuing Depot 3 SUB DEPOT 557 B O D

Voucher to COMPOSITE PLATOONS LEGNANO DIV/

Code No. _____

Accountant's No. _____ Date _____

Consign to D A D O S 52 B L U

Code No _____ COLLECTING

| Designation / Section Q 2 | Size and Fitting | Catalogue No. | Quantity | Quantity Issued, with Dates |
|---|---|---|---|---|
| LOOTING LEAD FREE THICK MK IV LBS | | QB 2090 | 40 | |
| ~~THIN MK V~~ | | ~~2094~~ | ~~16~~ | |
| SHELLAC GRADE 1 LBS | | 2250 | 16 | |
| T 2 KEYS CASES POWDER METAL LINED ~~MK 11 TRXX OR~~ MK 1 | | ~~TB 0711~~ 0710 | 8 | |
| U SCREWDRIVERS AMMN. WORK 3/16 | | FA 4547 | 8 | 5878 |
| ~~TAPE ADHESIVE 1 IN~~ YARDS | | UA 0976 | ~~400~~ | |

Chas Clark Capt
D.A.D.O.S. 52 B.L.U.

Approved Chas Clark CAPT FOR MAJOR
D.A.D.O.S. 52 B.L.U.

* Delete word not required

Forms C 975-98

P.S.S. «A» — 831 — 1,000,000 — 7 - 11

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

Army Form G975
(Pads of 100)

**NORMAL OR SPECIAL***

No. of Sheets 1

Sheet No. 1

Issue Order No. 3183

Date 21 Dec 43

Authority [illegible] S.E.L. No. 134/1

Issuing Depot [illegible]

Voucher to U.S. Army Rept LEGRAND

Code No.

Consign to DADS 12BEU Collecting

Code No.

Accountant's No. Date

| Designation / Section | Size and Fitting | Catalogue No. | Quantity | Quantity Issued, with Dates |
|---|---|---|---|---|
| [illegible] | | | | |

5877

Approved [signature] Major

D.A.D.S, 52 B.E.U.

* Delete word not required

Forms G 975-32.

P.S.S. «A» – 531 – 1,000,000 – 2 – 44

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

Army Form G976
(Parts of 200)

NORMAL OR SPECIAL*

No. of Sheets 1
Sheet No. 1
Issue Order No. 3185
Date 21.2.43

Authority S. Forces to Sea S.E.L. No. 134/1
Issuing Depot

Voucher to 11 Arty Regt
Code No.
Regiment

Consign to DADOS 52 BLN Connecting
Code No.

Accountant's No. Date

| Designation / Section | Size and Diff-ing | Catalogue No. | Quantity | Quantity Issued, with Dates | | | |
|---|---|---|---|---|---|---|---|
| Section R2 | | | | | | | |
| Seven fifty pace tape | | 6266 | 18 | | | | |

Ch. Clarke

Approved Ch. Clarke

* Delete word not required

Forms G 976-2

P.S.S. «A» – 531 – 1,000,000 – 2 –

Declassified E.O. 12065 Section 3-402/NNDG No. 785020

Army Form G975
(Pads of 200)

NORMAL OR SPECIAL*

No. of Sheets

Sheet No

Issue Order No 4001/45

Date 25 Feb. 45

Authority D.D.O.S. No. 1 District. (6)

Issuing Depot 21 A.A.D.

Release

Voucher to

Code No.

Accountant's No. Date

Issued to

52 B.L.U.

for Legnano Gruppo.

Code No.

| Designation Section | Size and Fitting | Catalogue No. | Quantity | Quantity Issued, with Dates |
|---|---|---|---|---|
| Grenades 36 M | Rds. | | 2,000 | |
| " 69 | " | | 2,000 | |

For training purposes.

(A.G. BARTRAM) Capt.,
for Colonel, D.D.O.S.,
H.Q. No. 1 District.

Distn:- COO. 21 AAD.
52 BLU. To collect.
'G' 1 District. Your 1523/G(ops) of 23 Feb. refers.
DOS. AFHQ.
File.

Arranged collection by lg.

6 MAR 1944

5876

APPROVED
Forms G975/22

*DELETE WORD NOT REQUIRED

1831/1a/GHQP/11-42

Declassified E.O. 12065 Section 3-402/NNDG NO. 785020

Ord 4 (5)

SECRET

Subject: Operational Ammunition.

52 British Medical Unit,
CMF.
27 Feb 45.

G/AG/2

HQ 5 Army (Brit Element).

1. Legnano Gruppo has not yet drawn its 1st and 2nd line ammunition. Will you please say whether this will be done here, or after the Gruppo has moved forward from this area ?

2. If it is drawn while the Gruppo is here, there will be the difficulty, with the limited transport which the Gruppo has, of carrying it forward. It will require the equivalent of 4½ x 3-ton lorries to move. These will not be available within Gruppo resources, and a number of lorries would be required to return for a second trip.

On the other hand, if it could be drawn from 21 AD during the first 12 days of March, the distances involved in dressing would not be very great and there would be time for its collection and correct distribution to units.

3. If it is drawn after the Gruppo has moved forward, sufficient time will be necessary for its collection and correct distribution, and for this I consider 100% longer time will be required than for a British formation.

4. If time allows, I am in favour of drawing in the forward area.

L.H. Douglas.
Lieut-Col.
CO.

Ex/NS.

Copy to: HQ 1 District.
A/Q 52 MD.
Ord 52 MU.

SECRET

5875

28 FEB 1945

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

125.

3

SUBJECT: Issue of Ammunition to Gruppis

LAND FORCES SUB COMMISSION
A.C. (M. M. I. A.) R O M E
AQ/2/15-20
19 January 1945

TO : 50 BLU
51 BLU
52 BLU
53 BLU
56 BLU

1. The Italian Government is to be charged the rates shown in V.A.C.S. for British Ammunition supplied to Gruppis.

2. To properly charge the Italian Government it is necessary to have each voucher signed by an Italian receiving officer in addition to the signature of the British issuing officer.

3. Before forwarding vouchers to this headquarters, insure that the necessary signatures are obtained.

Tommy Rose
TOMMY T. ROSE, Lt. Col.
for Major General
M. M. I. A.

FRC/ri

5874

BRITISH LIAISON UNIT
C. M. F.

20 JAN 1945

COPY

DADOS

(2)

(61)

LRLC V MEDY SRL632

QVR5/6 A LRAR

FROM MAIN AAI 261925A

TO MMIA

INFO 3 DISTRICT 5Ø BLU 51 BLU 52 BLU 53 BLU

GR22 BT

Q1676 RESTRICTED

YOUR SS 228 DATED 25 OCT. PERSONAL SCALE AND G1Ø98 SCALE OF AMMUNITION

SHOULDBE [redacted] DRAWN IN FORWARD AREA

THI 2114

SENT 2142A SWLW BB

RD 632 2142 KWJP AR K

file NA 5873

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

0674

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

A.F.G 997. No. of Sheets ..... Sheet No. .....

**INDENT FOR ORI**

Unit's No. 488/ST

Date 3 Oct. 1944

Office Stamp of Accounting Unit.

Unit GRUPPO DI COMBATTIMENTO "LEGNANO"

Address P.M. 135

TO BE CONFIRMED

Address for Vouchers (If not as above) BADOGLIO BRITISH LIAISON UNIT

Code No. .....

Date when required SUPPLY (To be completed for Ammunition, or URGENT demands).

| 1. REMARKS. Will include reason and authority for indent. | 2. Establishment or authorized proportions. | 3. On charge. S | 3. On charge. U | 4. DESIGNATION. Articles to be arranged alphabetically in Vocabulary Sect' SECTION VEHICLES |
|---|---|---|---|---|
| | | | | Covers cover 1.25x19 |
| | | | | " " 5.00x16 |
| | | | | " " 10.50x16 |
| | | | | Tubes inner 1.25x19 |
| | | | | " " 5.00x16 |

5872

Signed [illegible]

GRUPPO DI COMBATTIMENTO "LEGNANO" Commanding

COMANDO

[illegible] C.M. S. M.

Declassified E.O. 12065 Section 3-402/NNDC NO. 785020

COPY

(1)

LROF NR7 IMPORTANT

QVR/6

FROM MMIA 251710A

TO AA1

INFO 3 DISTRICT

50 51 52 53 BLU'S

GR-BT

SS228 RESTRICTED . IMMEDIATE RULING RQUIRED WHETHER ITALIAN GRUPPI SHOULD DRAW PERSONAL SCALE AND G1098 SCALE OF AMMUNITION BEFORE MOVING OR IN FORWARD AREAS . PAREN ROME AREA R397 PAREN . RCOMMEND IN PRINCIPLE THAT THESE AND SIMILAR DRAWINGS BE MADE IN FORWARD AREAS .

SENT 7 2304 REB B K

RD NR 7 JB BBB KKK

5871


19490