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INDEX
TO
AMMUNITION
BULLETINS
No's 1 to 11 INCL.

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I N D E X

T O

AMMUNITION BULLETINS NOS. 1 TO 39

BRITISH, AMERICAN AND ENEMY AMMUNITION.

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BCMBS

Incendiary $1\frac{1}{4}$ lb. "Obsolescent"

48 1376

29 mm Spigot

Bomb Spigot 29 mm - obsolete.

50 1456

(A) BRITISH AMMUNITION

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6" 26 Howr
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9.2" How.

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Q.F.

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95 mm

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75 mm.

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17-Pr.

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3" Howitzer.

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--	----	-----

3.7" Gun.

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2 R

Shell QF HE 2 R. HV MKRT : M of F Design PPF 18747. Obsolescent 51 1512

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17-Pr.

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NH.055 7 lbs. 11 ozs. 8 drs.	44	1200

25-pr.

Intermediate Charge increment Ch.H Mk.1 M/R	40	1016
2 lbs. 1 oz. 12 drs. NH.012 and FNH.023	40	996
Boxes Ctges C.267 "Obsolescent"		
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3.7" Gun.

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Mks 3&4 - Design approved		

3" Howitzer

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25-pr.

Cups, leatherboard.

Wartime concessions (Chemical Tests waived)	49	1407
---	----	------

3.7" Gun.

Lids, glazedboard. 3.7" How.

Wartime concessions. (Chemical Tests waived.	49	1407
--	----	------

3" 20 cwt Gun

Amn QF 3" 20 cwt gun - obsolete.

50	1448
----	------

Ctges QF.

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Aircraft, nomenclature		
Electric, No.F.53 Mk.I.	21	306
Mine, Contact, A/T.	22	325
No.1 Mk.I. Removal of filled magazine to be carried out under precautions.	18	245
No.2, Mk.I		
No.3, Mk.I, II and III	5	42
Difference from No.2		
Breaking of shearing wire	9	84
Magazine filling	10	102
Position of safety pin and shearing wire (ref. Item 84)	37	921
New type safety pin	29	524
Waterproofing	34	785
	35	807
<u>No.24/31 R.Y.G. Percn. Detonating</u>		
Mk.I		
Use of R.D.1177	23	358
Package for	30	567
	32	661
<u>No.106E (non-lead free)</u>		
Use of	15	158
	20	288
<u>No.115E Percn. D.A.</u>		
Re-introduction		
Weight marking	15	164
	20	283
<u>No.117 Percn. D.A.</u>		
Details		
Use discontinued in Tank equipments	36	880
Striker cover embossed in lieu of a warning label	21	307
Mk.VIII	33	701
	38	943
<u>No.1170 Percn. D.A.</u>		
Details		
Marking	36	879
	18	219

FUZES & GAINES (GENERAL)

Fuze Setting Errors AA Amn	43	1135
" Assembly of fuze covers	48	1364

Fuze various "Obsolescent"	43	1137
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Fuzes

T & P and Time and DA. Use of SR.227.A fuze powder	43	1151
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Mine Contact No.3. Fitting of solid top Plate	42	1105
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No.117 Percn. D.A.
Mk.3.A. - Obsolescent

50	1465
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Fuzes DA 119		
Mk. II	41	1044
No. 119B Mk. IV	41	1053
No. 119B Addition of Striker Spring	42	1104
No. 119 and 119B - Modification.	43	1143
DA & P. 119	47	1316
" 119 & 119B. Rejection of Zinc Alloy bodies.	48	1354
" " " " Mks. 2 and 8.	48	1378
Fuze Peron DA 151 and 152		
151 - Modification to permit Air Dropping	41	1058
152 - " " " " "	43	1138
Nos. 151 and 152 - "Obsolescent".	45	1243
No. 162 - Modification.	46	1271
" " - Bulk packing.	46	1272
<u>No. 183 Time.</u>		
Obsolete	50	1461
<u>No. 199 Time.</u>		
Proof.	50	1459
<u>No. 206 Time.</u>		
No. 206 and 211 : Extension of use.	48	1347
<u>No. 207 Time</u>		
Drill	41	1045
" Plastic Caps Obsolescent	47	1318
<u>No. 208 Time</u>		
Drill	41	1045
" Mk. 1 Plastic Caps Obsolescent	47	1318
Mk. 5 - Introduction	50	1468
MK 6 - <i>do</i>	51	1505
Time 214 : Use in 3.7" Mk. 1-3 Guns.	44	1185
T & P No. 222. All Marks, Markings to indicate variations in CMT's.	46	1265
T & P No. 222B. - modification	49	1400

	Bulletin	
	No.	Item
<u>Fuzes (Contd.)</u>		
<u>No.119 D.A. and Percn.</u>	36	878
Details	9	88
Mk.II distinctive marking	29	549
Letter 'B' after number when fitted weaker detent spring	27	485
Lots restricted in use	29	550
Label L.508 abolished	33	701
Striker cover embossed in lieu of warning label	39	958
Use discontinued in Q.F. 5.25" gun.		
<u>No.151 and 152</u>	32	683
Modifications		
<u>No.158 and 158A Percn., base, large.</u>	29	537
Details		
<u>No.159 Percn., base, large</u>	19	263
Details		
<u>No.188 Time</u>	37	892
Obsolete		
<u>No.198 Time, Mk.II</u>	29	533
Details		
<u>No.199 Time</u>	37	894
Fuze factor correction marking	8	76
Jammed time rings	18	217
Modified magazine ring	7	62
Proof of	11	109
Use of automatic fuze setters		
<u>No.206, Time</u>	29	534
Mk.II, Details.		
<u>No.207 Time</u>	37	909
Drill	29	548
Mk.V. Muzzle safety device	21	308
Nose caps, plastic	38	940
Precautions during assembly into complete rounds		
<u>No.208 Time</u>	37	909
Drill	21	302
Mk.I. Details	29	548
Muzzle safety device	21	308
Nose caps, plastic	38	940
Precautions during assembly into complete rounds.		
<u>No.209 Time</u>	10	100
Setting	13	136
<u>No.210 Time</u>	23	357
Mk.I. Details		
<u>No.221 Time and Percn.</u>	29	549
Letter 'B' after number when fitted weaker detent spring	28	503
Marking of fuzes without percussion mechanism	30	573
Marking to indicate improved percussion action.	26	443
Packing	34	781
<u>No.222 Time and Percn.</u>	20	295
Mk.I	29	549
Letter 'B' after number when fitted weaker detent spring		

	Bulletin	
	No.	Item
<u>Fuzes (Contd.)</u>		
<u>No. 225 Time and Percn.</u> Mk. I	30	568
<u>No. 231 Percn. D.A.</u> Letter 'B' after number when fitted weaker detent spring.	29	549
Removal of body side plate	37	908
<u>No. 231B Percn. Mk. I^{XX} and III</u> Modifications to avoid blinds	30	585
<u>No. 244 Percn. D.A.</u> Mk. I	21	304
Mks. II and III	32	654
Key No. 184.	35	816
<u>No. 245 Percn.</u> Mk. I	22	343
<u>No. 247 Percn.</u> Mk. I. Nomenclature	28	5
Difficulty in removing safety caps	30	514
Distinguishing marking	39	963
Extension of use	33	693
	34	758
Obsolete for 3" S.B.	32	646
Mk. II	39	964
<u>No. 250 D.A.</u> Mk. I Obsolete. Mk. II Obsolescent	36	875
	37	897
<u>No. 251 Percn. D.A.</u> Modification.	18	215
<u>No. 255 Percn. D.A.</u> Mk. I	34	772
<u>No. 270 Percn., base, large.</u> Details	19	2
<u>No. 283 Percn., base.</u> Mk. I	22	338
Mk. II	32	651
<u>No. 284 Percn., base.</u> Mk. I	32	657
<u>No. 345 and 345A Percn., base, large</u> Details	29	538
<u>No. 346 Percn., base, large</u> Details	19	263
<u>No. 3600 Percn. D.A.</u> Mk. I	29	535
<u>No. 400 Time</u> Details	29	536
<u>No. 425 Percn.</u> Mk. I	30	580
<u>No. 479A Percn., base, large.</u> Mk. I	24	387

FUZES (CONTD.)No. 223 T & P

Use with QF 3.7" Mk. I to III Guns	43	1153
Marking of FFC on fuze covers	47	1313

Fuze 232 Percn : Modification.	43	1143
Fuzes percussion No.232 Mk.IM - obsolescent	49	1411

<u>No. 244 Percn DA Mks 1 to 5</u>	47	1290
Change of detonator, to be 257 when filled	40	1015
No. 244 and 257 : To be fired with cap on.	45	1237

<u>No. 245 Percn Mk. 1A</u>	46	1263
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<u>No. 247 Percn</u> <u>Mk. II (Fig. 425)</u>	41	1064
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<u>No. 270 Mk. 1 "Obsolescent"</u>	48	1383
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<u>No. 289. "Obsolescent".</u>	45	1236
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<u>No. 291 Percn Base Mk. 1</u>	43	1148
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No. 425 Percn. "Obsolete"	47	1309
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FUZES (CONTD.)No. 725 Percn., D.A.
Mk. 1 - Obsolete

50 1463

Time, 600, 610 and 620.

48 1372

Weight Marking

46 1264

GRENADES

Number constituting a filled Lot.

40 1050

Striker Mechanism No. 2 Mk. 1 and No. 3 Mk. 1

44 1186

Striker mechanism No. 2 Mk. 1 and No. 3 Mk. 1 obsolescent

49 1403

No. 36M : Mark of Detonator.

45 1220

Drill No. 36M Mk. 2

45 1222

Rifle No. 63 Smoke Mk. I and Mk. I.Z. - obsolete

49 1425

Hand/Rifle No. 92 Mk. 1--Design approved (Figs. 597 & 598)

50 1474

Smoke WP Rifle No. 87 Mk. 1 (Fig. 596)

50 1473

No. 68 Rifle A/T Marking after rectification.

40 1003

" " " " "Obsolete"

48 1358

Tail Fuzes Rifle Grenade, Empty, No. 2 Mk. 1, No. 3 Mk. 1,
No. 4 Mk. 1 and No. 5 Mk. 1 - Design approved.

50 1451

Hand No. 69.

obsolete -

51 1497

Hand No. 73 AT MK. 1 - obsolete

49 1434

" No. 74 AT Mk. 1 - obsolete

49 1398

" No. 75 AT Mk. 1 - obsolete

49 1435

" No. 75 AT Mk. 3 - obsolete

49 1427

" No. 77 FM MK. 2 - obsolete

49 1429

No. 70 Hand

48 1382

No. 79 Smoke Mk. 1 - obsolete

49 1421

No. 82 Mk. 1 - obsolescent

49 1410

No. 74 Hand Mk. 2 - Obsolete.

50 1455

Fuzes (Contd.)

<u>No.480 Percn., base, large.</u>		
Details	19	263
<u>No.500 and 501 Percn., base, medium</u>		
Details	23	362
	25	427
<u>No.551 Percn., base, medium</u>		
Mk.II	30	564
<u>No.700 Time</u>		
Mk.I	19	267
<u>No.701 Time</u>		
Mk.I	29	527
<u>No.721 Percn., D.A.</u>		
Mk.II	22	326

GRENADERS

Monogram of filling factory marking	33	713
Number constituting a filled lot, various grenades	39	966
Weights, markings, etc., various grenades	37	917
<u>No.361 Hand, or .303" Rifle</u>		
All purposes Key	34	757
Care and preservation	19	244
Mk.V Paper ring round safety fuze of igniter set.	31	625
<u>No.63. Rifle, Smoke</u>		
Obsolescent	18	218
<u>No.67. Lachrymatory, Mk.I</u>		
Details	20	292
<u>No.68. Rifle, A/T</u>		
Mk.II Details	17	195
Alternative filling provisionally approved	31	619
No more will be made	33	704
<u>No.69. Hand</u>		
Mk.I. Details	17	200
Removal of detonator	35	820
<u>No.73. Hand, A/T.</u>		
Mk.I. Details	19	265
Declared Obsolete	24	401
" Obsolescent instead of Obsolete	36	455
<u>No.74. Hand, A/T.</u>		
Mk.I Details	16	184
Nomenclature	23	374
Mk.II Details	32	649
Design amended to prevent prematures	34	754

GRENADES (Contd.)

No.75, Hand, A/T.

Mk.I Details	23	373
Igniter assembly, etc.	24	388
Fillings, detonators and No.75A	25	429
Assembly of detonators with igniters	26	444
Markings	32	684
Fitting of waxed felt washer in neck	34	763
Alternative explosives	35	821
Practice grenade	34	787
Fillings	38	946
Mk.II Details	38	927

No.76, (S.I.P.) Hand

Details	12	118
Nomenclature	28	506
Storage	18	213
Fire risks	20	286
Inspection and Proof	22	341
Use of paper sleeve when fired from 2.5" projector	29	547

No.77 W.P., (Mk.I) or F.M. (Mk.II), Hand

Mk.I Details	28	504
Mk.II Details	33	699
Mks.I and II. Type of No.247 fuze to be used.	36	870

No.79, Hand, Smoke

Mk.I. Details	32	637
Dimensions and weight of package	34	761
Modification to igniter system	37	905
Use of P.N.398 or P.N.436 as a filling	36	861

No.80 (W.P.), Hand

Mk.I. Details	39	972
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No.82, Hand, A/T

Mk.I. Details	35	808
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No.83, Hand, Smoke

Mk.I. Details	39	980
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GENERATORS (SMOKE AND LACHRYMATORY)

No.8, Smoke

Proof	11	110
Mks.II and III: Use of propellant charge discontinued	18	231
Mk.I Obsolete	34	753
Mk.V Tail smoke emission only.	37	890

No.18, Smoke

Mk.I. Details	20	291
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No.24, Smoke

Mks.I, II and III. Details	33	728
Mk.II. Amendment to design.	36	863
Mk.I. Obsolescent.	39	977

No.26, Smoke

Mk.I Details.	34	795
Times of burning	36	864

No.28, Smoke

Mk.I Details	39	970
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GRENADES (CONTD.)No. 75 Hand T/A

Drill Mk. II	41	1061
Burrowite Filling	43	1139

No. 75 A/T Hand

Mk. 3 - Obsolete	50	1466
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No. 77 Hand

Temporary Wrapping	41	1047
Mk. 2 : Charging Hole Plug	45	1235
Package.	47	1299

No. 79 Hand Smoke ML -

Use of Fuze No. 247 Mk. 2.	45	1229
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No. 80 Mk. 1 : Number constituting filled lot.

	47	1314
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No. 82 Hand Drill

" " " Mk. 1 : Change of Mark.	43	1131
" " " Drill : Packing.	46	1262
	46	1274

No. 83 Hand Smoke Mk. I Marking

Smoke Mk. II	40	1005
Smoke New filling compositions	44	1187
	44	1183

No. 91 Hand - Mk. 1 Introduction (Fig. 601)

	50	1478
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Generators.

Smoke "Obsolescent"	44	1201
Smoke "Obsolete" stores.	48	1355

No. 17 Mk. 1 No. 25 and No. 26 Mk. 1 - obsolescent	49	1408
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No. 18 Mk. 1 - obsolescent		
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Smoke No. 18 Mk. 1 & No. 28 Mk. 1 - obsolete	50	1453
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No. 24 Smoke Filling and Marking.	40	1005
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" " " Mk. 4 (Fig. 559)	48	1360
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" " " Mk. 5 (Fig. 560)	48	1361
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No. 25 Smoke Mk. II (Fig. 399)	40	1014
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" " " Mk. I and II "Obsolescent"	42	1109
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No. 28 Smoke

Mk. I : Time to effective smoke emission	47	1315
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Generators Chemical

No. 30 Mk. I	48	1362
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IGNITERS

Electric No. 88 Mk. 2	46	1260
No. 90 Mk. 2	46	1261
BL Cartridges : Marking.	47	1326A
No. 88 and 90 Group Classification.	47	1303

<u>INSTRUCTIONAL IGNITER</u> No. 74 Grenade Mk. 2	46	1257
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<u>IMPLEMENTS AMN</u> - Key No. 224 Mk. 1	46	1258
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KEYS

Key No. 36M Grenade, All Purposes Mk. 1	45	1234
" No. 224 Mk. 1 Implements Amn.	46	1258

Marking of shell fuze Base Perc Nos. 159, 270, 346, 480.	45	1223
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MINES

Anti-personnel No. 5	43	1155
" " " " Sealing label.	45	1228

GENERATORS (Contd.)

No.2. Lachrymatory

Mks.I and II. Obsolete

34 753

MINES

Marking. Monogram of filling factory

33 713

"B". Type "C"

Details

27 479

Changing of resistance spring

27 480

Contact, A/T.

Mks.I, II and III. Details

5 41

Mk.III. Safe load.

7 64

Mk.IV. Details.

9 84

Mks.IVC, V and VC. Details.

28 509

Mk.V. Anatol filling

28 510

Mk.V H.C. T.N.T. filling

33 716

Mk.II. Obsolete

39 967

Shrapnel, Mk.I

Details

12 117

MORTAR AMMUNITION

Marking. Monogram of filling factory re Head filling and Body charging.

33 713

Primary cartridges. Air cushion wads as alternative to felt.

33 717

34 722

2-in.

Table of

4 25

Signal or Illuminating - Table

14 149

Signal.

18 227

Smoke, Mk.II.

18 228

" " Marking.

33 718

Illuminating with parachute, Mk.I.

18 229

H.E. packing of Batches

27 489

Filling and Marking details

37 915

Packages

4 26

27 489

Smoke, Signal and Illuminating - Markings

33 708

Fuzing

33 711

Cartridges -

55 Gr. Ballistite Mks.I and II

18 222

47 Gr. Ballistite Mk.II.

19 246

55 Gr. Ballistite. Alteration in filling

36 871

52 and 47 Gr. 81 mm. powder. Nomenclature.

38 933

3-in.

Chemical, Bursting. M. of Charging. 9758

22 335

Duplication of Batch markings

18 220

Fuzing

19 256

H.E. Mk.III. Bearing American markings.

36 856

H.E. List of Batches issued with incorrect M. of F.No. marking.

20 289

Methods of filling

20 281

Packages

4 26

Packing of Batches. "Fraction" boxes not to be packed.

33 697

Star, 10-lb. Mk.I.

17 202

33 703

Smoke, 10-lb. Marking 'FM' or 'CSAM'

33 719

Smoke, observing, 10-lb. Mk.I.

17 201

MORTAR AMMUNITION (Contd.)

3-in. (Contd.)

Storage	32	639
Table of	4	25
Cartridges -		
Augmenting. Use of Cordite W. or W.M.	20	284
" Propellants	24	399
" 1260 Gr. N.C.(Y) Charge. (6 210 gr. cartridges)	30	588
" 277 Gr. Neonite No.12 Mk.I and II.	36	874
Combination of primary and secondary charges for filling in Great Britain and Canada.	35	848
Primary, 95 grain Ballistite Mk.VIII and IX	18	221
Use of Hercules 81 mm. powder and M.4.X.	23	366

4.2-in.

Duplication of batches	35	834
Tail units. Marking	33	721
Securing to bomb	33	714
Tightening with shakeproof lock washer	37	899
Rustproofing of guide bands	33	726
H.E. Mk.I	29	542
Chemical, Mk.I.	29	540
Smoke, Mk.I.	29	541
Practice, Inert, Mk.I	29	543
Practice, Bursting, Mk.I.	29	544
" " " Marking.	33	725
Cartridges -		
Primary and augmenting	29	545

6-in.

Exploders for	17	198
	18	233

29 mm. Spigot Mortar

Cartridges markings and fairings	24	382
Nomenclature details	26	448
Practice bombs. Insertion of tail tubes	29	523
H.E. bombs, Alternative filling	28	508
Packages	26	447
Filling and marking details	37	915
Bombs -		
H.E. 14-lb. Mk.I.	22	336
H.E. 20-lb. Mk.I.	22	337
Practice, 14-lb. Mk.I.	22	339

NAVAL AMMUNITION USED IN LAND SERVICE

Table of, for Coast Artillery equipments	20	274
	23	351
Cartridges, B.L.		
7.5-in. for Mk.VI gun	24	380
15-in., 8-in. and 7.5-in. for Coast Artillery	29	529
Fuzes -		
Percn., Base, large:-		
No.158 and 158A	29	537
" 345 and 345A	29	538
" 479A Mk.I.	24	387
Percn. D.A. No.3600 Mk.I.	29	535
Time:-		
No.198 Mk.II	29	533
" 206 Mk.II	29	534
" 400	29	536

MORTAR AMN (CONTD.)
3-in (Contd.)

Package Markings	43	1030
Ctges Aug 280 Gr Neonite Packing and Labelling.	43	1030
Ctges ML	43	1127
Ctges Smokeless 90 grs Ballistite	44	1194
" 95 Gr - "Obsolescent"	44	1195
" ML - Augmenting:- Obsolete and obsolescent	50	1458
" " " :-180 gr. Mk.8Z NCRP Mk.2.		
Design approved.	50	1472
Aug. 65 Gr. Hercules 81 m/m Powder - Design cancelled	51	1500
<u>4.2-in.</u>		
Package Markings.	42	1103
Ctges Drill Aug Mks II, III, IV and V.	42	1093
Nomenclature - Future policy as regards Land Service.	45	1231

NAVAL AMN.

Package Markings	40	1017
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PACKAGES

Simulators Gun Flash	40	1007
Amn Distinctive marking for Jungle warfare	43	1149
" Special marking to facilitate identification	43	1141
Amn Special markings to facilitate identification	45	1240
" " " " " "	46	1267
" Distinctive marking for Jungle warfare	48	1377
" Method of securing	48	1381
Ctges QF 6-pr 10 cwt	41	1042
Ctges QF 6-pr 10 cwt	40	1004
Ctges BL 5.5-in Gun	40	1001
ML 3-in Mortar Amn	44	1182
Box Amn SB ML 4.2-in Mortar Bl83 Mk. 1	46	1277
Ammunition Stencilling and Labelling	49	1399
Carriers, ML Mortar Amn.		
Wartime concessions (Chemical Tests waived)	49	1407
<i>Stencilling on and Explosive Group Labels</i>	<i>51</i>	<i>1498</i>
<i>Markings on - Operational -</i>	<i>51</i>	<i>1509</i>
<i>For SB 4.2-in Mortar - Superseded by Tropical Designs</i>	<i>51</i>	<i>1503</i>

SAA.

Simulators Gun Flash No.4 Mks. 1&2 and No.5 Mk.1	49	1397
Design cancelled		

Boxes

Boxes ASA H50 Mk. 1. Inclusion of drainage and vent holes.	48	1349
Boxes Amn G312 General purpose.	42	1111
C206 and C207 Additional Markings.	42	1110
" Amn - Alternative webbing handles.	45	1219
" ASA H50, H51, H52.	45	1244
" ASA H50 - Extension of use.	45	1230
" H50 and H56 - Stencilling.	48	1368

NAVAL AMMUNITION ETC. (Contd.)

Mine, "B", Type "C"	27	479
Description	27	480
Changing of resistance spring	23	350
Packages, Naval Ammunition for Coast Artillery equipments	26	452
Q.F. 5.25-in. A.A. Components of complete rounds, packages, etc.		
Shell -	25	428
H.E. for Coast Artillery. Exploding and fuzeing.	25	449
B.L., H.E. 6-in. Mk. IX A.Q. Exploding for fuzes of the No. 45 type	29	530
B.L., H.E. and Piercing types for 15-in., 8-in. and 7.5-in. guns in Coast Artillery.	29	531
Weights and dimensions	29	532
Markings	23	353
Shell Markings	29	533
Tracer, Shell, No. 8 Mk. I	29	529
Tubes, for 15-in., 8-in. and 7.5-in. guns in Coast Artillery.		

PACKAGES

For:-

A.A. ammunition	1	2
	1	19
Aircraft bombs	11	107
A.S., A.P., R.L.	6	50
Chemical	6	51
Incendiary	14	147
	9	82
S.A.P.	27	487
Cartridge, B.L. 26-cwt. How., Super charge	39	969
Cartridge, Q.F. 25-pr. 5½-oz. Super charge		
Coast Artillery ammunition	20	278
B.L.	20	279
Q.F. separate	20	280
Q.F. fixed	23	350
Naval types	2	10
Field Artillery Q.F. ammunition		
Fuzes	32	661
F. 24/31 R.Y.G.	34	781
No. 221. Bulk packing.	3	18
Medium Artillery B.L. ammunition		
Mortar ammunition	26	447
29 mm. Spigot, Mortar	14	149
2" (Signal and Illuminating)	4	26
3" and 2"	27	489
	36	853
3" Bulk packing of 210 gr. N.C.(Y) augmenting charges	10	95
Pyrotechnic Stores, various	33	709
	4	28
S.A.A:	4	30
	31	624
	33	731
	34	762
Simulators, Gun flash	14	150
Smoke round 2" Bomb Thrower	5	40
Tank ammunition		

Boxes:-

Charges, P.E. M. 91 Mk. I	18	234
C.L./T.N.T. Slabs, W. 109 Mk. I.	34	756
No. 74 Grenades	39	973
G. 110 Mk. I and II	39	961
G. 112 Mk. I		

PACKAGES (Contd.)

Boxes (Contd.)

No. 75 Grenades		
G. 111 Mk. I		
P. 60 Mk. II	38	945
Stores packed		
Q.F. 40 mm.	35	833
C. 297 Mk. I		
C. 280 Mk. I (Hamper)	34	752
Q.F. 75 mm.	33	735
For British rounds		
C. 283 Mk. I (For N. American production)	29	553
Q.F. 2-pr. Mk. IX to XA guns.	38	936
Boxes for N. American production		
Q.F. 6-pr. 6-cwt.	35	815
C. 303 Mk. I		
C. 298 Mk. I	34	779
Q.F. 6-pr. 7-cwt.	35	814
C. 286 Mk. II		
Designs for manufacture in Canada	35	813
Q.F. 3-in. 20-cwt.	34	767
C. 204		
Q.F. 17-pr.	34	755
C. 310 Mk. I		
Rocket, 'U' 3-in.	36	876
M. 97 Mk. I for Tails, propelling		
S.A.A.	35	809
H. 29 Mk. II		
Details of decisions concerning H. 29 box.	36	857
H. 49 Mk. I.	36	865
S.B., M.L. 4.2" Mortar	39	965
B. 182 Mk. I		
	36	849

Containers, Crates, etc.

Carrier, Amm. Inf. Projector A.Tk. No. 8, Mk. II Packing	37	896
Container Ctte. No. 23 Mk. I.	37	904
Grate, Mine, A.Tk. M. 138.	33	695

Markings on packages.

Cartridge, B.L. 9.2-in. How. for use with 315-lb. shell	8	7
Cordite in bulk. Weight marking	33	724
Details of (except S.A.A.)	37	914
Discontinuance of "A.C." marking	6	59
Fuze particulars	10	98
Instantaneous Fuze. Package markings	33	706
N.C.T. containers	14	145
Omission of word "BATCH"	4	37
Pyrotechnic Stores	33	710
"Q" markings omitted on all Q.F. cartridge packages	38	920
Q.F. 40 mm: when rounds are fitted with S.D. Tracer	32	659
Q.F. 3.7-in. A.A.		
Containing cartridges filled Cordite N/S.	27	482
Containing cartridges made up in Canada. "Q" markings omitted.	32	655
Q.F. 4.5-in. A.A.		
Special marking when containing cartridges made up with Cordite.	8	74
M.D. or R.D.B. of 1918 manufacture.	17	203
Special marking when containing cartridges made up with American	15	161
1918 N.C.T. 065		
Q.F. 4.5-in. How.		
Marking when containing Smoke shell		
Rocket, 'U', 3-in.	30	566
Marking when containing Tails, propelling	24	386

PACKAGES (Contd.)Boxes (Contd.)

QF 3.7-in Mk. VI C.284	41	1038
QF 3.7-in Gun, C.213. Wartime concessions.(Boxes for repair).	49	1407
Cases Cordite C.128 - Repairs. Wartime concessions.	49	1407
QF 17-pr C.317 Mk. 1	40	999
" " C.310 Mk. 1	41	1072
QF 25-pr Ctges C.267 "Obsolescent"	41	1051
ASA "Obsolescent"	47	1292
ASA H.13	47	1301
SAA H.31 - Extension of use to pack 3" M. Ctges.	42	1096
ASA H.31	43	1157
SA : Identification of contents and method of packing.	46	1269
Explosive M148 : Extension of use.	40	1010
<u>Containers, Crates, etc.</u>		
Ammunition.	40	1006
Containers Ctges QF 25-pr No. 211	40	1009
Cylinders Ctges - Crating during transit	40	997
Containers Ctges 17-pr.	41	1070
" " No. 61 Mk. I (6-pr 7 cwt)	42	1092
" " No. 66 Mk. III (2-pr IX and X)	42	1091
" " No. 226 Mk. I (40 mm)	42	1097
" " No. 229 and 230 (2-pr IX and X)	43	1144
" " No. 223 and 236 (6-pr 7 cwt)	43	1136
Containers Ctges No. 246	44	1205
No. 249	44	1188
No. 250	44	1189
Cylinders, paper, No2. 1 & 2 (25 pr.) Wartime concessions. (Chemical Tests waived)	49	1407
QF & BL Ctges. Wartime concessions. (Chemical Tests waived)	49	1407
Liners and Discs Wartime concessions. (Chemical Tests waived)	49	1407

PACKAGES (Contd.)

Naval Amn Package markings.	40	1017
Amn packages - various markings.	42	1107
Mor 4.2-in Package Markings.	43	1130
Rocket Amn and Packages Markings.	43	1140

General

Explosive Labels	40	1013
7.92 mm Mixed Packing	41	1040
Fuze Instantaneous Reel Box Package.	41	1063
Cyl. and Boxes for Fuzes, Gaines, Primers and Tracers.	44	1190
Water-tight Steel Boxes - Inner Lids.	46	1279
non-tropical.Special marking "NOT TROPICALLY PACKED"	49	1406

Primers Ctges QF

Application of Luting.	40	1012
Field CE 1-oz. : Packing.	48	1380

PACKAGES (Contd.)Markings on Packages (Contd.)

S.A.A. packages. Distinguishing marking
Wood packages. Branding of contractor's initials or trade mark.
Yellow interrupted line on packages containing Batched Amm. to
be disregarded.

7 63
33 690
11 13

General

Government Explosive Label. Stencilled design
Metallic packages approved for conveyance of small consignments of
of explosives by rail
Packing of grumets discontinued, Q.F. 25-pr. Shot, A.P.
Painting
Use of brown as a substitute
Use of green as alternative to brown
Steel packages, watertight. Instructions re opening and closing
Sunlight on packages
Transport and stacking

36 850
31 623
32 656
27 486
34 778
33 692
3 20
4 34
5 43
12 121

War time concessions

PHOSPHORUS BURNS

Treatment of

38 928

PLUGS, FUZE-HOLE, ETC.

Fuze-hole

2-in. No.1 Mk.IVF.

Use in B.E. Chemical shell

Used for transit purposes. Marking.

Marking of non lead free brass plugs

Moulded plugs

Types used for practice

30 584
34 774
25 421
24 406
22 345

PRIMERS, Q.F. CARTRIDGE

Colouring of caps to indicate initiator filling

Keys -

No.86 for Primers No.1, 2, 5, 9, 11, 12, 15, 16 and 17.

" 193 Mk.I for Primer No.1

" 194 Mk.I " " No.9.

List of, with details and uses

Q.F. composition for caps

29 546
37 902
39 962
39 962
36 868
14 144
16 181
20 285

'Q' markings

'Q' Primers

Fitted in all 3.7" A.A. cartridges made up in Canada.

Marking of ammunition packages containing

Stabbing in position. To cover all Q.F. cartridges.

Serviceability in extracted cartridges.

War time concessions to facilitate supply, etc.

Waterproofing

32 655
31 607
32 663
16 177
28 514
21 309
28 513
11 108

No.1, Mk.II. Substitution for No.9 or 11 on emergency Q.F. 4.5"
and 3.7" A.A.

No.11. Use with Q.F. 4.5" cartridges filled N.C.T.065; as
emergency measure

18 216

	Bulletin	
	No.	Item
<u>PRIMERS, Q.F. CARTRIDGE</u>		
No.12 and 18. Use of cap composition	19	258
No.15, for Q.F. 3-pr. and 6-pr. S.C. cartridges.	28	519
No.27. Use in Q.F. 2-pr. Mk.I Gun, S.C.	23	367
No.28	34	784
	24	389
No.29 Mk.I	28	512
No.30 Mk.I	34	764
	34	790
<u>PROJECTOR, 2¹/₂-INCH</u>		
Charges, 10 dr. Mks.I and II	33	702
Salvage of rubber pads from charges	35	829
	27	488
<u>PROJECTOR, INFANTRY, A.TK.</u>		
Bomb. Filling and Marking details.	37	915
<u>PROPELLANTS</u>		
Ballistite and N.C.(Y) in Mortar cartridges. Suspension of heat testing.	30	563
Code letters		
Indicating various natures	9	86
	21	316
	24	397
	27	475
	36	854
	36	866
	31	611
Cordite		
A.N., Nomenclature	39	976
Bofors	2	14
	17	203
Mk.I, M.D. or R.D.B. 'official life'	8	7
C.D.T.	30	551
H.S.C. and H.S.C.T., Tests and sentences	21	301
R.D.N./A. Testing of	11	111
W. or S.C., issued for practice purposes	10	99
W.M.		
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Sulphur infected	15	159
Use of dyed carbamite	16	179
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On drums for S.A.A. cartridges. Marking of packages	36	873
Flashless, Nomenclature	20	296
Hercules Double Base F.N.H. powder. Nomenclature	30	559
M.4.X.		
Use for burst short charges in Q.F. 4.5", 3.7" and 3" 20-cwt. guns.	21	311
Stability	31	610
Nomenclature and composition of propellants	32	635
onite	6	56
C.T.		
Notes on	13	126
Natures of, and code letters	14	145
1914-1918 manufacture. Service life extended.	22	329
	31	613
	31	616

PRIMERS CTGES QF.

No. 34 Mk. 1 Fig. 398. 40 1002

No. 29 Mk. 1 "Obsolete" 41 1055

PROJECTORS, 2½-IN.

Mks. I and II "Obsolete". 41 1054
Bombs HE/AT Infantry projector AT Mk 1, 1A, 2 & 3 49 1423
obsolescent

PROPELLANTS.

Code Letters 40 995
Service life of NH.050 Lot MA 361 Ext. 43 1126

Cordite SC and HSC : Nomenclature of Tublar. 43 1156

Neonite

Extended system of Nomenclature.

42 1115

PROJECTILES

5.5" HE BL and below. Re exploder containers. 47 1298

QF
40 mm.

Practice VIT and IXT Markings. 42 1100
Spray Painting. 42 1095

95 mm

Smoke emission Tk/How New Delay. 40 998
HE Mk. IA (Fig. 419) 41 1043
Tk Howr Ctges 42 1098
SP and Inf How 13 oz. 11 dr. Cord WM.029 42 1099
Smoke BE SP Inf How : Ext. of use to Tank. 42 1101

PROPELLANTS (Contd.)

N.C. powder for various types of S.A.A.	36	877
N.C.(Y)		
Colouring	24	400
Smokeless, to be known as N.C.(W)	32	648
N.H. and F.N.H. Nomenclature	30	558
Nitrocellulose powder in American 75 mm. ammunition. Sentencing.	18	239
Nobel's Rifle Neonite. System of nomenclature.	38	937
Superin	33	696

PROJECTILES

B.L.

5.5-in.

H.E. S/L Mk.ID.	21	321
Distinguishing marking, 80-lb. S/L. projectile	36	872
Standard weight, 80-lb. projectile	37	911

6-in.

Chemical, bursting. "Obsolete" Marks	38	944
C.P.B.C. Repair of broken fillings of T.N.T./B.W.X.	23	369
H.E. Mk.XXVI/XXB, XXVII A.2. and XXIXB. (M. of F.DD/L/4052)	32	665
H.E. S/L. 100-lb. Weight marking.	27	483
H.E., T.N.T. or Lyddite. M. of F. DD/L/4052(1). Amended nomenclature.	37	912
H.E. Mk.XXB in Coast Artillery. Conversion of exploder system for landwards firing with Fuze 119.	26	458

7.2-in.

Gauges approved.	33	667
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9.2-in.

A.P.C. Mk.XXIIB. Conversion of	37	910
H.E. Mk.XIIIA and XVIIB. M. of F. DD/L/4052	32	665
H.E., T.N.T. or Lyddite. M. of F. DD/L/4052(1). Amended nomenclature	37	912
315-lb. How. shell. Identification.	8	77

Q.F.

40 mm.

H.E.,		
Marking when filled Pentolite	37	895
Mk.IIT. Modification to tracer cavity	38	938
Sealing of Pentolite filled shell	35	817
Varnishing of driving bands	34	775
Projectile, practice		
Mk.IIT	21	319
Mk.IVT	36	855
Mk.VIT	33	700
Mk.IXT	39	959
Nomenclature list	39	981

75 mm.

H.E., M. of F.	19	255
Smoke Emission, Mk.I and II. M. of F.	26	441

95 mm.

List of shell	35	825
H.E., Tk., S.P. and Inf. How., M. of F.	35	826
Smoke emission, Tk.How., M. of F.	35	827
Smoke, B.E., S.P. and Inf. How., M. of F.	35	828
Use of T.N.T. as a filling for Shell, H.E. S.P. and Inf. How.	39	982

PROJECTILES (Contd.)

Q.F. (Contd.)

2-pr.

H.E. Mk.II. M. of F.

33 730

12-pr. 12-cwt.

H.E., M. of F. DD/L/12157

26 454

17-pr.

H.E., Mk.II and IIT. M. of F.

36 859

25-pr.

Chemical, B.E., S/L. Mk.VIID. Method of head filling

26 445

DD/L/12974

33 715

Chemical. Marking.

H.E.

33 722

Filling

36 852

Use Grade II T.N.T. with Anatol 40/60

Shot, A.P.,

13 129

Issued during emergency with wet markings

32 656

Packing of grumets in packages discontinued

34 794

Table of 25-pr. projectiles.

3-in. How.

H.E.,

26 442

Mk.II. M. of F.

34 749

Standard fuze

26 440

Smoke emission, Mk.I. M. of F.

3-in. 20-cwt.

H.E.,

25 431

Omission of smoke box

30 583

" " " " cancelled.

3.7-in. Gun.

H.E.,

26 481

Marking to indicate rusted cavity walls

22 328

M. of F. Anatol 50/50.

25 431

Omission of smoke box

30 581

" " " " cancelled.

4.5-in. Gun.

H.E.,

22 328

M. of F. Anatol 50/50

25 431

Omission of smoke box

30 583

" " " " cancelled

4.5-in. How.

Chemical bursting, Mk.XII. "Obsolete"

38 944

6-in. Gun.

H.E. Mk.XXB in Coast Artillery. Conversion of exploder system for landwards firing with Fuze 119

26 458

General

Attachment of penetrative caps

33 715

38 944

Blind shell. Disposal of

4 3

13 125

B.L. or Q.F.

Chemical, B.E. Method of Head filling 10171 and 10593

22 33

Chemical bursting. Method of Head filling 8154.

22 33

Chemical shell. Markings.

22 33

Exploders. List of exploder bags, shell, T.N.T. or C.E. and weight of filling.

36 858

Grumets, shell. Use of manilla rope.

23 370

PROJECTILES (contd.)QF (Contd.)

<u>2-pr Mk. IIT - Method of Filling.</u>	43	1132
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<u>HE 6-pr 10 cwt Mk. 10T - Method of Filling.</u>	46	1259
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<u>HE 12-pr 12-cwt. "Obsolescent".</u>	46	1275
--	----	------

<u>HE 17-pr and 77 mm Mk. 2 TM of Converted filling.</u>	45	1221
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<u>25-pr - Smoke Boxes.</u>	46	1266
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Shell QF Smoke BE. Mk.7B and 8B - obsolete.	49	1430
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Shell QF HE S/L. Packing when Fuzed No.117 or 119.	49	1414
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3-in How.

Smoke Emission "Obsolescent"	42	1103
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3.7-in Gun.

HE 3.7-in and 4.5-in Guns	41	1065
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HE 3.7-in How, Alternative fuzes.	45	1242
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" " " Packages	45	1218A
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<u>QF SAP 4.5", 4.7", 5.25" - Method of filling design amended.</u>	46	1270
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M. of F. design amended.	49	1409
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Projectiles General

Marking of stores filled RDX.	47	1308
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Marking.	48	1353
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Paint on driving bands	49	1417
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Exploder Bags Shell TNT or CE.	41	1052
Explosions.	41	1072A

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HE Amatol Filling.	42	1088
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Shot QF "Obsolescent".	43	1154
HE Details of M of F design 40 mm	44	1207
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PIAT Amn Marking of Lot No. on packages.	45	1238
Signal 2 Star Red and Green Mk. 1/1	48	1365
" 10 star - Colours various.	48	1366
Flares, Lights Signal & Rockets - Obsolete	50	1454
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Thunderflash Mk.8 (Fig.595)	50	1451
Signal Illuminating Mk. 1	47	1322
" One Star, Red, Green or Yellow Mk. 1	47	1321
" Double Star, Red, Green or Red and Green		
Mk. 1	47	1323
" 2 Star, Red and Green Mk. 1	47	1324
Simulator Gun Flash 4 and 5 "Obsolescent"	41	1046
Simulator Gun Fires, 10 min, $\frac{1}{2}$ hr., 2 hrs.	41	1057
" Gun flash "Obsolescent" and "Obsolete"	47	1305
Smoke Floats Distress Marine	41	1048
Simulators Gun - flash No.4 Mk.1 & 2 and No.5		
Mk.I - Design cancelled.	49	1397
(Simulators M.G. A/B No.1 Mk.I, 2 and 3 - nomenclature.	49	1433
(" R.F. A/B No.1 Mk.I, 2 and 3 -		
" R.F. Mk.I. - obsolescent.	49	1420
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(" A/B No.2 Mk.I, 2 and 3 - nomenclat-		
ure.	49	1438
Float Smoke 50 lbs Mk1 & 2.		
" Mk2 : Obsolescent.	46	1256
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Field Service. To be issued with top exploder in position.	37	913
Details of M. of F. designs for Amatol filled shell.		
Painting and marking		
Filled Amatol for Field Army. Inclusion of smoke box filled	19	261
Red Phosphorus		
Limited life in hot climates. Marking	21	300
Over 6-in. calibre. Reduced cavity	37	893
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banding and labelling.		
Cracker, Blank, Mk.I T.P.	33	707
Flare, distress, marine, Red, Mk.I.	39	971
Flare, trip-wire Mk.I.	35	836
Markings on packages.	33	710
Packages for various stores	10	95
	33	709
Rocket, Signal, 3 Star, White (Mk.I) and T.P.	22	335
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Signal, 1 star, Red, Green or White, Mk.I	35	837
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No.2 Mk.I	26	451
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ROCKET, "U" 3-INCH. (Contd.)

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	23	364
	25	423
	26	438
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	32	647

ROCKET "U" 5-INCH

Care and preservation	22	327
	25	422
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	26	438

S. A. A.

Base markings		
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Details of	31	615
	31	627
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	34	780

Rocket Amn and Package Markings.

43 1140

Rocket U" 5 1/2 inch.

Obsolete:

51 1506.

Nomenclature: "FS" & "SS"

51 1499.

SAA

Universal package.

47 1300

" " Markings.

47 1325

Incendiary, Packing details.

47 1307

SA Drill - Omission of Base Markings.

41 1056

SAA

<u>.455-in</u> Ammunition SA .455-in - Obsolete	50	1470
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<u>20 mm</u> Oerlikon Marking.	44	1198
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<u>.303-in. (Contd.)</u>	30	571
"O" Observing. Inspection	38	925
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Standardisation for all Services.		
<u>.55-in.</u>	11	110
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<u>7.92 mm.</u>	7	68
For Besa medium machine gun		
<u>9 mm.</u>	32	652
Mk.IZ	34	773
Labelling of packages		
<u>13.2 mm.</u>	11	110
A.P. Proof		
<u>15 mm.</u>	7	68
For Besa heavy machine gun		
<u>20 mm.</u>	4	38
Hotchkiss		
Hispano gun	7	69
Classification	9	87
Description	15	165
Identification marking H.E. cartridge	28	516
Oerlikon gun	30	592

S.B., 3-IN. GUN.

H.E. complete round	19	264
	22	342
	32	657
Bomb, H.E. A.Tk.	34	765
3" Mortar Bomb - Obsolete for use in 3-in. S.B. Gun		

STATION MONOGRAMS

Additions to Magazine Regs. Pt.I, App.III.	19	268
	21	317
	23	375
	31	628
	24	384
Amendment to Item 317, Bull. 21.		

STORAGE AND TRANSPORT OF AMMUNITION

A.A. ammunition for A.D.G.B. Storage	1	3
Ammonium nitrate. Storage.	17	197
Bin type buildings.	1	4
Bin type storehouses for A.A. practice ammo.	2	13
Binless A.D.G.B. storehouses.	1	7
	2	16
	8	78
Chemical stores: Transport and Storage.	23	361
Conveyance of explosives.		
Electrically operated types of ammunition - Effects of radio transmitters on. Precautions.	25	434
Explosives Category for Safety Distances	4	33
Floors for buildings containing explosives	34	759
Grenades, S.I.P., Storage.	18	213
Heating of A.D.G.B. magazines.	1	6
3" Mortar bombs. Storage	32	639

STORAGE AND TRANSPORT OF AMMUNITION (Contd.)

Projector, 3-in. Storage of Ammunition.	17	193
	18	232
	25	426
Railway vehicles. Loading of	31	617
Safety distances	1	5
	16	176
Sea conveyance of ammunition. Changes in stowage details	36	862
Security of vehicles containing explosives.	23	352
Smoke Weapons. Classification of certain stores for transport	31	622
and storage.	32	664
Stacking of ammunition.	2	11
Steel ammunition boxes. Transport and stacking	4	34
	5	43
Transport. Use of net slings forbidden	27	474

TABLES OF AMMUNITION

A.A. (complete rounds)	1	1
Bombs, aircraft,		
A.S., A.P., R.L.	11	107
Chemical	6	50
F. and G.P.	8	72
Incendiary.	6	51
S.A.P.	14	147
Cartridges, B.L. and Q.F. to Land Service designs for Naval	9	82
equipments in Land Service.	34	791
Cartridges		
Q.F.		
2-pr.	32	679
6-pr. 7-cwt.	32	680
1-pr.	32	681
25-pr.	34	794
140 mm.	33	733
75 mm. (British Annun.)	29	552
4.5-in. Gun.	33	734
B.L.		
4.5-in. Gun	38	947
5.5-in. Gun.	38	948
7.2-in. How.	34	793
	35	810
Coast Artillery		
Weights and dimensions of B.L. ammunition	20	275
" " " " Q.F. (separate) ammunition	20	276
" " " " Q.F. (fixed) ammunition.	20	277
Field Army (Q.F. complete rounds)	2	9
Fuzes, and equipments with which used	19	269
Heavy and Super Heavy Artillery. B.L. cartridges. Weights,	21	312
dimensions and packages.		
Heavy and Super Heavy Artillery. Projectiles, Weights and	21	313
dimensions.		
Medium Artillery (B.L.)	3	17
3" and 2" Mortar.	4	25
2" Mortar, Signal and Illum.	14	149
Naval guns for Coast Artillery. Ammunition.	20	274
	23	351
	29	529
	29	530
Pyrotechnic signals. Various	10	93

Cylinders Ctges Grating during transit.	40	997
Storage of Ammunition.	40	994
Empty Shell in Transit - Use of Washers.	42	1112

BL.

6-in 26 cwt Howr.	40	1019
60-pr Gun.	40	1018
7.2-in Howr Revised Nominal Charge Weight.	40	1000
Weight Marking on Filled Shell.	41	1041
Ammunition - BL 6 in Howitzer Mk.1 - obsolete	49	1419
" - BL 6 in Gun Mk.19 - obsolete	49	1439
" - BL 12 in How. BL 9.2-in How. and	49	1436
BL 9.2-in Gun Mk.13. 13+ and 13A obsolete		
" - SB 3-inch Gun - obsolete	49	1437

TABLES

Shot and Shell, AP and Practice types.	45	1245
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TRACERS

Tracer and Igniter No. 14 6-pr 7 cwt AP Shot.	42	1102
Shell Nos. 21 and 22 - Method of Sealing.	43	1129
Igniter No. 11 and 14 - Method of Closing.	44	1192
Shell No. 21 and 22 - Time of burning.	44	1191
No. 24 Mk. 1 and 26 Mk. 1.	44	1181
Shell No. 13 Mk. 4	45	1241
Tracer and Igniter, Shell No. 14 Mk. 2B and 2E.	48	1367

TABLES OF AMMUNITION (Contd.)

S.A.A. (.303" "W", "G" and "O")	4	27
S.A.A. (other than .303")	4	29
Shell, Q.F. 25-pr.	34	794
Tank ammunition	5	39
	25	430

TRACERS

Nos. 1 to 15	32	650
No. 8 Mk. I (Naval) for Coast Artillery	29	539
Nos. 13, 14 and 15. Details.	31	618
Nos. 10 to 15. Bodies to be made from V.I.B. steel	36	847
Integral type filled to ID/L/14187	30	590
Self destroying. Marking of Q.F. 40 mm. rounds fitted with	32	659

TUBES

Heavy and Super Heavy equipments. Tubes used	21	303
List of, for guns and howitzers. Details and uses	35	835
Methods of filling. Use of G.7 gunpowder as alternative to solid pellets.	23	368
Naval, for 15-in., 8-in. and 7.5-in. guns in Coast Artillery	29	529
Percussion, S.A. Mk. III and IV.	20	294
Percussion, S.A. Stabbing to prevent gas seal moving forward.	32	641
War time concessions to facilitate supply, etc.	28	514

(3) AMERICAN AMMUNITION

American terms used in connection with ammunition and British equivalents.	Bulletin	
	No.	Item
	27	467
	30	569
<u>B.L. Ammn.</u>		
<u>155 mm. Gun.</u>		
Shell, H.E. M104 and details of complete round	27	468
<u>155 mm. How.</u>		
Shell, H.E. M.107 and details of complete round.	27	472
Cartridge, B.L. 6-in. How. N.H.025 of American manufacture. Certain lots marked with incorrect code letter.	25	412
<u>CARTRIDGES, Q.F.</u>		
<u>37 mm. Gun.</u>		
Shot, A.P. M.51 for A.Tk. gun M3.		
Details	18	224
Lot 1 N.F. and 2 N.F. to be practice ammunition.	25	417
Modifications to packing	26	416
Use extended to include M5 and M6 guns	34	771
Shot, S.A.P. M74 for guns M3, M5 and M6		
Details	25	415
Packing	34	768
<u>40 mm. Gun</u>		
Markings on ammunition manufactured in U.S.A.	24	396
	27	484
<u>75 mm. Gun.</u>		
H.E., M48. Details		
Shot, A.P. M61	24	391
Details		
Nomenclature altered to "Shot, A.P.C. M61"	19	250
Modification to packing	30	575
	38	935
<u>75 mm. How.</u>		
H.E. A.T. M66 for M1 and M1A1 How. Details	31	606
<u>76 mm. Gun.</u>		
H.E. M42A1 for M1 gun. Details	31	607
Shot, A.P.C. 3-in. M62 for M1 gun. Details.	33	686
Smoke, 3-in. M88. Details.	33	689
<u>90 mm. Gun.</u>		
H.E.		
M.58 for M1 gun. Details	24	394
M.71 " " " Details	34	786
Box, packing 90 mm. gun ammn.	34	777
Case, Cartridge		
M5A1 and M5A1B1 (75 mm. How)	31	606
M16 (37 mm.)	18	224
M18 (75 mm. gun)	13	137
M19 (90 mm. gun)	24	394
M26 (76 mm. gun)	31	603
<u>CARTRIDGES, IGNITION (MORTAR)</u>		
M3	28	499
M5	28	495

FUZES

Base, Detonating	31	606
M62		
Point, Detonating	23	399
M46	24	393
M48	27	471
M51	28	500
M52	31	602
M53	29	525
T18E2	31	609
New nomenclature "P.D.M57"		
Time, Mechanical	24	395
M43A1		
M43A3	34	785
Difference from 43A1 not available		
Time and Super quick	29	511
M54		
M1 for Mine, Contact, A.Tk. M1.	30	578
Precautions in handling		

GRENADES

Hand	31	604
Fragmentation, Mk. II	31	605
Offensive, Mk. IIIA1		
Rifle, A.Tk.	31	509
M9A1	31	600
Practice, M1A1		

INCREMENTS, PROPELLANT (MORTAR)

M1	28	497
	34	770
M2	28	498
M3	28	495

MARKINGS

Fuzes, P.D.	27	477
Projectiles	27	476
Q.F. Ammn. The Ammunition Lot	26	450

MINES

Anti-tank	31	601
Dutch		
Contact, Anti-tank	30	577
M1	31	600
Replacement of Fuze M1 by Fuze M1A1 and Booster M1A1		

MORTAR AMMUNITION

60 mm. M1 and M2	28	496
H.E. complete round with Shell, M49A2	28	496
Practice, complete round with Shell, practice, M50A2		

MORTAR AMMUNITION (Contd.)

81 mm. M1 and 3-in. Mk.IA2.

H.E.

Complete round with Shell, M43A1	28	497
" " " Shell, M56	28	498
Smoke, complete round with Shell, M57	28	499
	34	769

NOMENCLATURE

Gun ammunition manufactured in Canada.	30	561
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PRIMERS, PERCUSSION

M1B1A2	31	606
M22A1	24	391
M23	18	224
M28A1	24	394
M28A2	31	603
M31	19	250
M32 (Mortar)	28	495
21 Grain, Mk.IIA1	34	776
	27	469

S. A. A.

Base marking	21	318
Steel cases	38	930

(C) ENEMY AMMUNITION

Bulletin		Detail
Number	Item	
(1) <u>GENERAL INFORMATION</u>		
4 5 11	32 49 114	Information to be forwarded immediately to C.I.A.
4 10	31 103	
10	105	
Disposal of enemy ammunition.		
Mines and booby traps.		
<u>GERMAN</u>		
(2) <u>AIRCRAFT BOMBS</u>		
8 13	80 141	1 Kg. Incendiary.
15 17 20	169 209 299	
15	167	4 lb. Anti-personnel.
19	270	2 Kg. Anti-personnel S.D.2 (Butterfly bomb)
5 7 11	44 65 113	50 kg. and above H.E. bomb with electric fuse EL.A2.C.50 or with booby trap.
14	151	
11	113	250 Kg. H.E.
5	44	Anti-personnel H.E.
15 17	174 200	Anti withdrawal device for fuze ZUS 40.
15	163	
5	46	Exploders.
5	47	Fuzes.
13 14 15	138 156 192	Fuze Electric (Rheimetall) for bombs and parachute flares.
5	44	
5	44	
5	44	H.E., G.P. or General Bombardment.
5	44	Incendiary.
5 15	45 170	Markings on bombs.
14	155	
Particulars of various bombs		(a) Incendiary
		(b) Gas
		(c) Anti personnel.
		(d) General bombardment
		(e) Anti Ship.
5	48	Unexploded bombs -
5	49	General information.
5	60	
6	60	
13	139	Method of determining whether bombs dropped from high
15	171	altitude have exploded.

Bulletin		Details
Number	Item	
<u>(3) DEMOLITION STORES</u>		
36	884	Hollow charge 3 Kg. magnetic.
29	556	Hollow charge 12.5 Kg. and 50 Kg.
36	883	Hollow charge 13.5 Kg.
<u>(4) GRENADES</u>		
31	631	Rifle Hollow charge (7.92 mm.)
39	987	
39	988	Rifle Hollow charge Large (7.92 mm) and (7.92/13 mm.)
31	632	Rifle and Hand, self destroying (7.92 mm.)
28	521	Hand H.E. (Egg shape)
28	522	Hand H.E. (Stick type).
12	122	Identification markings.
<u>(5) MINES AND APPURTANANCES</u>		
15	166	Magnetic Sea mines used as bombs.
10	105	Mines and traps.
33	740	Pull igniter Z.Z.35.
38	950	Shrapnel Mine 35 (S.Mi.35)
38	951	-do- Fuze S.Mi.Z.35.
33	738	Tellermine 35
36	882	
33	739	-do- Fuze T.Mi.Z.35.
36	882	
34	801	Tellermine 42
36	881	-do- Fuze T.Mi.Z.42.
<u>(6) MORTAR BOMBS</u>		
24	408	5 cm. H.E. (Wurfgranate 36)
32	673	8 cm. H.E. (Wurfgranate 34)
12	122	Identification markings.
<u>(7) PYROTECHNICS</u>		
18	242	Flare packet.
12	122	Identification markings.
12	123	Signal equipment recovered from aircraft.
<u>(8) SMALL ARM AMMUNITION</u>		
8	79	7.92 mm. types - Characteristics and markings.
25	436	7.92 mm. Pz.B. 38/39. AP/Lachrymatory Cartridge.
27	491	13 mm. to 30 mm. Weapons - Colour markings.
13	140	20 mm. Aircraft Hy.H.G. shell with fuze AZ.1502 or EK.Zdr.C/30.
39	984	2.7 cm. Pistol H.E. Cartridge.
39	985	2.7 cm. Pistol Signal Cartridge.

DEMOLITION STORES

Push Igniter D235.	43	1159
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GRENADES

Hollow Charge A/T Hand Grenade (Panzer Wurfmine(L))	45	1253
3 cm Rifle Smoke Grenade	47	1341
46 mm Hollow Charge rifle Grenade	47	1342
61 mm " " " "	47	1343
3 cm. Rifle Illuminating Grenade (Gewehr Fallschirmleuchtgranate) (Fig.592)	49	1445
Hollow Charge sticky anti-tank grenade (Panzerhandmine-S.S.) (Figs. 593 and 594)	49	1446

MINES

Light A/Tank Mine (I.Pz.M)		
Anti-Personnel "Pot" Mine A200 (Fig. 584)	48	1395
Anti-Tank mine (Riegelmine 43) (Fig.602)	50	1479

Tellermine (Mushroom) 43	40	1020
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Pull Igniter 42 (Z.Z.42) (Fig.603)	50	1480
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MORTAR BOMBS

8 cm ML Bomb 38	40	1030
8 cm ML Bomb 39	40	1031
10 cm Nb HE Bomb	40	1032
5 cm Mortar Ctges 39	41	1074
5 cm Mortar HE Bomb	41	1075
20 cm Light Spigot Mortar HE Bomb	42	1124
Hollow Charge Bomb w/Projector	43	1164
8 cm HE Bomb 38 and 39 umg	43	1166
Hollow Charge A/T Bomb with Projector	47	1344
" " " " " " (Panza 60mm)	48	1391

PYROTECHNICS

7.3 Propaganda Rockets	44	1215
15 cm HE Rocket (15 cm Wgr 41 Spr)	44	1216
21 cm HE BC Rocket	44	1217
30 cm HE Rocket	44	1218

SHELL AND CARTRIDGES (Contd)

10.5 cm 1e FH. 18 M. Shell HE S/L (Gr F) (Fig. 612)	50	1489
10.5 cm 1e FH. 18 M. Ctge QF for "gr F" Shell (Fig. 613)	50	1490
10.5 cm Geb H. 40 Coloured smoke HE Shell (F.H.Gr Buntr) (Fig. 614)	50	1491
2.7 cm Pistol smoke Ctge (Nebelpatrone Für Kampfpistole) (Fig. 619)	50	1495
2.7 cm Pistol Coloured Smoke Ctge (Deutpatrone für Kampfpistole) (Fig. 620)	50	1496
3.7 cm Pak K (Casement Gun) Cartridge Q.F.A.P./T (Fig. 624).	51	1513
7.5 cm Kw.K. 42 & Stu.K. 42, Cartridge QF HE (Fig. 625). (7.5 cm Kw.K. u. Stu.K. 42 Sprgr. Patr.)	51	1514
7.5 cm 1e F.H. 18 Cartridge QF HE Hollow charge (Fig. 626)	51.	1515
7.5 cm 1e J.G. 18. Cartridge QF HE Hollow Charge (Fig. 627) (Jgr. 38.H1/A.)	51.	1516
8.8 cm Kw.K. 43 Cartridge QF.A.P.C.B.C/T. (Figs 628 & 629) (8.8 cm Pzgr. Patr. 39-1).	51	1517
8.8 cm Kw.K. 43 Cartridge QF A.P.C.B.C./T. (Figs. 630 & 631). (8.8 cm Pzgr. Patr. 39/43).	51	1518
8.8 cm Kw. K. 43 Cartridge QF HE (8.8 cm Sprgr. Patr. 43).	51	1519
10.5 cm Flak 38 Cartridge Q.F. HE (Grooved Shell) (Figs. 632 & 633).	51	1520
12.8 cm Gerat 40, Cartridge QF. A.P.C./T. (Figs 634 & 635).	51	1521
2.7 cm Pistol H.E. Cartridge (Fig. 636). (Sprenggranate-Patrone K.P.)	51	1511

SAA

2.6 cm Pistol HE Cart. with delay pull igniter	48	1392
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SHELL AND CARTRIDGES

3.7 cm PK Ctges QF HE/T	40	1028
3.7 cm PAK, Hollow Charge Muzzle, stick bomb.	40	1029
Fuze 3.7 cm Kpf Z.Zerl.P. (Fig. 452)	42	1125
4.7 cm PAK(T) and K36 Ctges QF HE	41	1083
" " " " " " " " APC	41	1084
4 cm Ctg QF HE (Bofor Type)	43	1165
7.5 cm PAK 40 Ctg QF Hollow Charge fuze AZ 38	45	1246
7.5 cm PAK 41 Ctg QF APBC/T Shot (PATR PZGR 41.HK)	45	1247
7.5 cm PAK 40 ctge QF Hollow charge shell	47	1327
7.5 cm GEB K.15 QF Ctge	47	1328
7.5 cm GEB K.15 HE Shell	47	1329
7.5 cm LE F.K.18 QF Ctge	47	1330
7.5 cm LE F.K.18 APCBC/T shell	47	1331
7.5 cm PAK 41 ctge QF APBC/T Shot (PATR PZGR 41 W)	45	1248
7.62 cm PAK 36 ctge QF APBC/T Shot (PZGR 40)	45	1249
" " " " " " " " " " (" 39)	45	1250
8.8 cm FLAK 41 ctge QF HE	47	1332
8.8 cm A/T Hollow Chg rocket projectile	43	1175
8.8 cm FLAK 18 and 36 Ctge QF APCBC	43	1167
8.8 cm FLAK 18 and 36 Ctge QF HE	43	1170
8.8 cm FLAK 41 Ctge APCBC/T	43	1169
8.8 cm FLAK 41 Ctge QF HE	43	1170
8.8 cm FLAK Star Shell	46	1287
8.8 cm A/T Hollow Charge Rocket Projectile		
(8.8 cm Raketen, Panzerbusche Granate 4312)	47	1339
8.6 cm AA "Wire barrage Rocket"	47	1340
8.6 cm Kw K43 Cart QF Hollow Charge with Tracer		
(8.8 cm Gr Patr 39 H1 KW K43) Fig. 574	48	1389
8.6 cm Rocket HE Projectile Figs 581, 582.	48	1393
8.6 cm Rocket Star Projectile " 583.	48	1394
10 cm 1 FH 18 Hollow Charge H1/A, H1/B, H1/C	46	1288
10 cm K.18 and 1g 10 cm KT HE Shell	41	1076
10.5 cm 1 FH 18 HE Cast Steel Shell	41	1085
12.8 cm FLAK 40 Ctge QF HE Fzd ZT ZS/30	43	1171
15 cm (Naval) AP BC Shell	43	1172
" " " HE BC "	43	1173
" " " Separate QF Ctge	43	1174
17 cm K. MRS LNF QF Ctges	41	1086
5 cm FLAK 41 Ctge QF HE/T (5 cm.Spgr Gr 41 L'Spur)		
(Fig.589)	49	1442
3.7-cm Flak 18 Ctge QF HE/T (Fig.604)	50	1481
3.7-cm Flak 18,Ctge QF HE/VT (Fig.605)	50	1482
3.7-cm (Naval) Ctge QF HE/T (Fig.607)	50	1484
7.5-cm KwK.40 & Stu.K.40,Ctge QF Hollow Charge		
(Gr 38 H1/C) (Fig.609)	50	1486

Bulletin		Detail
Number	Item	
		(8) <u>SMALL ARM AMMUNITION - CONTD.</u>
39	986	2.8 cm. Pz.B.41. H.E. Cartridge.
23	376	2.8 cm. Pz.B.41 (28/29 mm. diam. T.C. Core) Cartridge.
11	113	Fuze A.Z.1501.
12	122	Identification markings.
15	172	Table of Small Arm Ammunition.
10	104	Types of S.A.A. and packages.
		(9) <u>GUN AND HOWITZER AMMUNITION</u>
31	634	Nomenclature, abbreviations, stencilling, stampings, etc.
38	949	
		(a) <u>SHELL AND CARTRIDGES</u>
36	886	3.7 cm. Cartridge Q.F. A.P.C. with fuze BZ.15 (Czech origin)
23	378	3.7 cm. Pak. Cartridge Q.F. A.P.C. Shot. (Pzgr.40) with T.C.Core
31	633	-do- Cartridge Q.F. A.P.C. with fuze AZ.39 or 3.7 cm. Kpf. Z.Zerl.P.
25	435	4.7 cm. Pak. AP/T. Shell.
26	462	-do- APBC/T. Shot (Pzgr. 40) with T.C. Core.
26	461	-do- H.E. Shell with fuze G.H.Z.R.
26	460	5 cm. Pak 38 Cartridge A.P. W.P. with fuze AZ.39.
25	435	-do- and KwK. AP/T Shell with fuze Bd.Z.5103 ^x
34	796	7.5 cm. L.I.G.18 (or Jgr.18) H.E. shell with fuze L.I.gr.Z.23 na.
34	797	-do- H.E./A1. Shell with fuze L.I.gr. Z.23.na.
33	745	7.5 cm. L.G.40 Q.F. Cartridges
38	954	
33	746	-do- Hollow Charge Shell (Gr.38 HL/B) with Fuze A.Z.38.
		7.5 cm. KwK. and Stu.G.7.5 cm. T.C.
34	798	Cartridge Q.F. Hollow Charge (Gr.38) with Fuze A.Z.38.
26	464	Cartridge Q.F. H.E. with fuze KL.A.Z.38.
25	435	A.P.C.B.C./T. with fuze Bd.Z.f.7.5 cm. Pzgr.
26	463	Smoke shell with fuze KL.A.Z.38.Nb.
30	593	7.62 cm. Cartridge A.P. A.P.C. Shot (Pzgr.40) with T.C.Core.
17	211	8 cm. L.K., M.30 H.E. Shell with fuze G.H.Z.R. (Czech origin).
36	885	10 cm. K.18 (10.5 cm. calibre) Q.F. Cartridge.
7	66	10 cm. H.E. Shell with fuze A.Z.23 (0.25)
27	492	10 cm. H.E. Shell.
39	991	10.5 cm. (Naval) Cartridge Q.F. H.E. with fuze EK.Z.C/28.
39	993	-do- H.E. with incendiary unit.
38	955	10.5 L.G.40 (or L.G.2) Q.F. Cartridge.
33	747	15 cm. s.F.H.18 Q.F. Cartridge.

Bulletin		Details
Number	Item	
(9) GUN AND HOWITZER AMMUNITION - Contd.		
33	748	15 cm. s.F.H. 18 Anti concrete shell (Gr.19 Be) with fuze Bd.Z.f.15 cm. Gr.19 Be.
34	799	24 cm. Mrs.18 s.F. Cartridge.
34	800	-do- Anti concrete shell (Gr.18 Be) with fuze Bd. Z.f.24 cm. Gr.21 Be.
(b) FUZES		
<u>Nose.</u>		
12	124	A.Z.23. (0.8) umg.
7	67	A.Z.23 (0.25)
26	464	Kl A.Z.23.
26	463	Kl.A.Z.23 Nb.
7	67	1 I.gr. Z 23na (1.Jgr.Z 23na)
34	796	
39	992	EK.Z.6/28.
33	741	A.Z.38.
32	673	Wgr.Z.38 (H.E. Mortar bomb)
24	408	
26	460	A.Z.39.
39	990	A.Z.5072
26	461	C.H.Z.R. Skoda.
17	211	
31	633	Kpf.Z.Zerl P (3.7 cm.)
33	742	Zt.Z.S/30.
33	743	Zt.Z.S/30 Fg ¹ .
38	952	Dopp.Z.S/60.s
38	953	Dopp.Z.S/60 Fl.
24	407	Dopp.Z.S/90
<u>Base.</u>		
25	435	Bd.Z.5103 ^x .
36	886	Bd.Z.15 for 3.7 cm. (Czech origin)
25	435	Bd.Z f 7.5 cm Pzgr.
35	838	Bd.Z.f. 15 cm. Gr. 19 Be.
35	839	Bd.Z.f. 24 cm. Gr. 18 Be.
23	377	m.V.u.K.
(c) <u>CHARGES</u>		
32	669	Zdlg. A.
32	669	Zdlg. B.
39	989	Kl.Zdlg.34 Np.
33	744	Zdlg. 40

Smoke Box for HE Shell No. 8	40	1025
" " " " " No. 9	40	1026
Smoke Box No. 11 for HE Shell (RII)	41	1077

FUZES

AZ 23 (0.15) (PR) with plastic body	47	1333
Peren AZ 49	47	1334
Fuzes Electric for ignition of 28 cm and 32 cm rockets	47	1337
AZ 23 umg m 2V KG (571)	48	1386
ZTZ S/30 KURZ Fig. 573	48	1388
3.7 cm KZ 40 Fig. 572	48	1387
5 cm Kopf Z.2.Zerl P (Figs. 587 and 588) (Over page)	49	1441

Nose.

1.I. gr. Z. 23 NA (Fig. 401)	40	1021
AZ.1.	46	1280
A.Z. 5075 (Fig. 402)	40	1022
A.Z. 35K (Fig. 413)	40	1035
A.Z. 23 (V.0.15)	41	1080
KL AZ 23 NB (PREBSTOFF) Plastic	41	1079
AZ 2492 for rifle spigot Grenade	41	1078
KL AZ 23 Fig. 442	42	1116
AZ 23/28 U. (0.1) (Fig. 444)	42	1118
AZ 23 umg 0.15 (Fig. 443)	42	1117
AZ Wgr Z.36 (Fig. 446)	42	1120
AZ 23/42 V (0.15) Fig. 445	42	1119
KZ 38 W/Gaine	43	1162
AZ 5095	43	1176
1 I.gr. Z.23 NA in 21 cm HE Rocket	43	1177
FP. 28001	44	1208
AZ.5095	44	1209
BDLE JGR Z.23 NA	44	1211
Hb gr. Z.35 K.	44	1212
Wgr Z.50	44	1213
" " and Type A.	45	1255
Wgr Z.T.	46	1281
" Z.38c	46	1282
KZ c/27 (IM)	46	1283
Dopp.Z.S./90 K (Fig. 447)	42	1121
Dopp.Z.S./90/45 Fig. 414, 415, 416	40	1036
AZ.38St (Fig. 617) (Over page)	50	1493

Base.

BD Z.5130 (Fig. 403)	40	1023
Skoda BZ.15 for 3.7 cm APC Shell	41	1081
" " " 4.7 cm " "	41	1082
BD Z.5127 W/Tracer	43	1163
BD Z.DOV	44	1201
27/34 WZ.36 (Polish Origin)	46	1284
c/38	46	1285

FUZES (Contd)

3.7 cm.Kpf Z. Zerl. P.v.(Figs 615 and 616) . 50 1492

Nose.

Wgr Z (r) from 12 cm. Mortar Bomb (Fig.618) . 50 1494

GAINES

34 W/delay (KL, ZDLG.34 NP MV)	40	1024
Model 40B	43	1160
" 41	43	1161

PRIMERS

Electric C/23 (Fig 449)	42	1123
Peron QF Ctge C/43 St. and C/113 (Fig. 545)	47	1336
Peron C/32 St. (Fig. 591)	49	1444

ROCKETS

32 cm Incendiary Rocket (Wurfcorper M51, 50)	45	1254
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TRACERS

Tracer from 7.62 PAK 36 APBC/T (Pzgr. 39)	45	1251
" " " " " " Shot (Pzgr. 40)	45	1252
" No. 5	47	1335
" for 8.8 cm Hollow Charge shell (Fig. 575)	48	1390
" for 5 cm. FLAK 41 H.E./T. Shell (Fig. 590)	49	1443
" from 3.7 cm Flak18, HE/I/T Shell (Fig.606)	50	1483
" " 3.7 cm (Naval) HE/T Shell (Fig.608)	50	1485
" " 7.5 cm Pak 40, APBC/T Shot (Fig.611)	50	1488

Bulletin		Detail
Number	Item	
32	669	Gr.Zdlg. C/98.
34	796	Gr.Zdlg. C/98 Hp. (Also Bulletins 26/464 and 32/673)
32	669	Kz.Zdlg. C/98. (Also Bulletin 26/463).
25	435	with B.S. 4.51/27 (5 cm. APC)
(a) <u>PRIMERS.</u>		
26	464	Electric C/22.
26	460	Percussion C/12.
32	671	" C/13nA.
32	672	" C/33
36	887	" V.Z./33 (Czech origin)
33	745	" C/113.
(e) <u>TRACERS</u>		
32	670	For base fuzes.
<u>ITALIAN</u>		
<u>10. AIRCRAFT BOMBS</u>		
17	210	1.75 Kg. and 4 Kg. H.E. Anti personnel (Spezzone type)
19	271	4.5 Kg. H.E. 4 AR (Manzoline Thermos type)
14	152	250 Kg. H.E.
21	322	Chemical - Weights and Markings.
15	173	{ H.E., Incendiary and Gas, also Fuzes - General details.
17	212	
16	191	Fuze for destruction of abandoned aircraft.
<u>11 GRENADES</u>		
34	803	Hand Grenade H.E. SRCH. Model 35.
26	465	" " H.E. Breda Model 35.
38	956	" " H.E. C.T.O. Model 35.
<u>12 MORTAR BOMBS</u>		
22	347	45 m.m. Brixia H.E. Bomb Model 35.
<u>13 SMALL ARM AMMUNITION</u>		
18	241	7.7 m.m. Breda A.P./1. Blue tipped bullet.
18	241	-do- Green " "
18	241	12.7 m.m. Breda A.P./1/T. bullet.
18	241	-do- 1/T. bullet.
14	153	General notes on S.A.A. from aircraft.
16	107	

Bulletin		Detail
Number	Item	
14 GUN AND HOWITZER AMMUNITION		
(a) CARTRIDGES AND SHELL		
16	186	65/17 m.m. Cartridge Q.F. H.E. with fuze.
16	189	" Cartridge A.P.B.C. with base fuze.
37	919	75/13/27 m.m. } Fillings, exploder systems etc.
		75/27 m.m. } fuzes and gains.
34	802	75/27 m.m. Hollow charge H.E. shell.
36	888	75/27 m.m. Cartridge Q.F. H.E. (Fragmentation) shell with time fuze graduated to 59.
37	919	75/46 mm. Filling, exploder system etc. fuzes and gains.
37	918	77 m.m. } Exploder system, fuzes, gains and
		77/28 m.m. } propellant charge markings.
16	190	77/28 Q.F. Cartridge and H.E. shell.
30	594	100/17 m.m. Hollow charge H.E. shell with internal base fuze.
35	842	149/13 m.m. H.E. Shell with Inneschi type fuze.
16	188	Chemical Shell markings.
14	154	Notes on Propellants, H.E. fillings and shell markings.
32	666	} Shell markings - Basic colours, stencilling and bands.
37	918	
37	919	
(b) FUZES		
<u>Nose.</u>		
22	348	Percussion, Model 16.
35	842	-do- Inneschi type, for 149/13 shell.
16	186	-do- for 65/17 H.E. shell.
35	843	Time, Graduated to 59.
<u>Base.</u>		
16	189	Percussion for 65/17 A.P.B.C. shell.
30	594	-do- (Internal) for 100/17 Hollow Charge shell.
(c) GAINS		
32	668	For H.E. and Piercing shell.
35	842	149/13 H.E. Shell.
(d) PRIMERS		
32	667	Percussion Model 35.
35	840	" " 908.
35	841	" " 930.

JAPANESE

Smoke Grenade for use with Discharger type 89
(Fig. 557)
4 cm Hollow Charge rifle grenade
A/T Mine Type 93

47	1345
47	1346
48	1396

Bulletin		Detail
Number	Item	
<u>JAPANESE</u>		
<u>15 GRENADES</u>		
32	675	50 m.m. H.E. Mortar and Hand, Type 97.
32	676	H.E. Stick.
32	674	H.E. Hand Type 91.
<u>16 MORTAR BOMBS</u>		
30	595 n	50 m.m. H.E. round with fuze.
32	675	50 m.m. H.E. Mortar and Hand.
<u>17 GUN AMMUNITION</u>		
32	677	70 mm. H.E. shell.
32	678	75 mm. H.E. shell.
26	466	D.A. Nose Fuze.

