

\*DRAWINGS MARKED THUS (\*) NOT TO BE PRINTED UNLESS ESPECIALLY ORDERED

SKETCH No. 13800

20 MM MACHINE GUN MECH. MK. 4 MOD. I

9 SHEETS

SHEET No. 1

WESTINGHOUSE  
ELECTRIC & MFG. CO.  
APPROVED  
J.B.MEL.  
CHECKED  
IDE  
PREPARED BY  
J.B.C.

U. S. NAVAL ORDNANCE PLANT, CENTER LINE, MICH.  
2 Oct, 1944  
H.C. Billitt  
CAPTAIN U.S.N. COMMANDING

| REVISIONS |             |          |      |
|-----------|-------------|----------|------|
| LOC.      | NUMBER      | DATE     | LOC. |
| A1        | 73266       | 10-14-44 |      |
| B1        | SK-138004-9 | 3-24-45  |      |

| DRAWING NUMBERS | TITLE OF DRAWINGS                    | REMARKS                                      |
|-----------------|--------------------------------------|--|
| 299 825         | GUN -GENERAL ARRANGEMENT             |  |
| 299 826         |                                      |  |
| 299 650 SHEET 1 | BARREL (MK. 4 MOD. 0)                | FOR REFERENCE ONLY                           |
| 299 901         | BARREL (MK. 4 MOD. 1)                | FOR REFERENCE ONLY                           |
| 367 771.        | BREECH CASING ASSEMBLY COMPLETE. (A) |  |
|                 | RECOILING MASS                       |  |
| 299 651         | BREECH BLOCK ASS'Y. AND DETAILS      |  |
|                 | PC. 1 2                              |  |
|                 | NO.REQ'D. 1 1                        |  |
| 299 652         | BREECH BLOCK                         |  |
|                 | PC. 1                                |  |
|                 | NO.REQ'D. 1                          |  |
| 299 653         | STRIKER PIN AND AXIS BOLT            |  |
|                 | PC. 1 2                              |  |
|                 | NO.REQ'D. 1 1                        |  |
| 299 654         | HAMMER                               |  |
|                 | PC. 1                                |  |
|                 | NO.REQ'D. 1                          |  |
| 367 652         | PROCESS FOR SHOT PEENING HAMMER      |  |
| 299 655         | BREECH BAR ASS'Y.-LEFT AND DETAILS   | 299655 ASS'Y NOT FOR AFTER CHG. OVER TO 3    |
|                 | PC. 1 2                              | PG.1 & 2 ONLY FOR USE 299655 ASS'Y. & 299656 |
|                 | NO.REQ'D. 4 1                        |  |
| 299 656         | BREECH BAR-LEFT                      |  |
|                 | PC. 1                                | PG.1 ONLY FOR USE WITH 299655 ASS'Y.         |
|                 | NO.REQ'D. 1                          |  |
| 299 657         | BREECH BAR ASS'Y-RIGHT AND DETAILS   | 299657 ASS'Y. NOT FOR AFTER CHG.OVER TO 3    |
|                 | PC. 3                                | PG.3 ONLY FOR USE WITH 299657 ASS'Y.         |
|                 | NO.REQ'D. 1                          |  |
| 299 658         | BREECH BAR-RIGHT                     |  |
|                 | PC. 2                                | PG.2 ONLY FOR USE WITH 299657 ASS'Y.         |
|                 | NO.REQ'D. 1                          |  |
| 367 687         | BREECH BAR-LEFT                      |  |
|                 | PC. 1                                | PG.1 FOR USE AFTER CHG. OVER FROM 299655     |
|                 | NO.REQ'D. 1                          |  |
| 367 688         | BREECH BAR-RIGHT                     |  |
|                 | PC. 1                                | PG.1 FOR USE AFTER CHG. OVER FROM 299657     |
|                 | NO.REQ'D. 1                          |  |
| 299 659         | BREECH BOLT ASS'Y. AND DETAILS       |  |
|                 | PC. 1 2 3 4                          |  |
|                 | NO.REQ'D. 1 1 2 2                    |  |

REL. 73236 10-2-44

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9 SHEETS

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U. S. NAVAL ORDNANCE PLANT, CENTER LINE, MICH.  
2 Oct, 1944  
U. S. G. Billings  
CAPTAIN U.S.N. COMMANDING

| REVISIONS |            |          |        |
|-----------|------------|----------|--------|
| LOC.      | NUMBER     | DATE     | NUMBER |
| A1        | 73266      | 10-14-44 |        |
| B1        | SK-13800-9 | 3-24-45  |        |

| DRAWING NUMBERS | TITLE OF DRAWINGS                    | REMARKS  |
|-----------------|--------------------------------------|--|
| 299 825         | GUN -GENERAL ARRANGEMENT             |  |
| 299 826         |                                      |  |
| 299 650 SHEET 1 | BARREL (MK. 4 MOD. 0)                | FOR REFERENCE ONLY                                 |
| 299 901         | BARREL (MK. 4 MOD. 1)                | FOR REFERENCE ONLY                                 |
| 367 771.        | BREECH CASING ASSEMBLY COMPLETE. (A) |  |
|                 | RECOILING MASS                       |  |
| 299 651         | BREECH BLOCK ASS'Y. AND DETAILS      |  |
|                 | PC. 1 2                              |  |
|                 | NO. REQ'D. 1 1                       |  |
| 299 652         | BREECH BLOCK                         |  |
|                 | PC. 1                                |  |
|                 | NO. REQ'D. 1                         |  |
| 299 653         | STRIKER PIN AND AXIS BOLT            |  |
|                 | PC. 1 2                              |  |
|                 | NO. REQ'D. 1 1                       |  |
| 299 654         | HAMMER                               |  |
|                 | PC. 1                                |  |
|                 | NO. REQ'D. 1                         |  |
| 367 652         | PROCESS FOR SHOT PEENING HAMMER      |  |
| 299 655         | BREECH BAR ASS'Y. -LEFT AND DETAILS  | 299655 ASS'Y NOT FOR USE AFTER CHG. OVER TO 3      |
|                 | PC. 1 2                              | PG. 1 & 2 ONLY FOR USE WITH 299655 ASS'Y. & 299656 |
|                 | NO. REQ'D. 4 1                       |  |
| 299 656         | BREECH BAR -LEFT                     |  |
|                 | PC. 1                                | PG. 1 ONLY FOR USE WITH 299656 ASS'Y.              |
|                 | NO. REQ'D. 1                         |  |
| 299 657         | BREECH BAR ASS'Y -RIGHT AND DETAILS  | 299657 ASS'Y. NOT FOR USE AFTER CHG. OVER TO 3     |
|                 | PC. 3                                | PG. 3 ONLY FOR USE WITH 299657 ASS'Y.              |
|                 | NO. REQ'D. 1                         |  |
| 299 658         | BREECH BAR -RIGHT                    |  |
|                 | PC. 2                                | PG. 2 ONLY FOR USE WITH 299657 ASS'Y.              |
|                 | NO. REQ'D. 1                         |  |
| 367 687         | BREECH BAR -LEFT                     |  |
|                 | PC. 1                                | PG. 1 FOR USE AFTER CHG. OVER FROM 299656          |
|                 | NO. REQ'D. 1                         |  |
| 367 688         | BREECH BAR -RIGHT                    |  |
|                 | PC. 1                                | PG. 1 FOR USE AFTER CHG. OVER FROM 299657          |
|                 | NO. REQ'D. 1                         |  |
| 299 659         | BREECH BOLT ASS'Y. AND DETAILS       |  |
|                 | PC. 1 2 3 4                          |  |
|                 | NO. REQ'D. 1 1 2 2                   |  |

REL. 73236 10-2-44

\*DRAWINGS MARKED THUS (\*) NOT TO BE PRINTED UNLESS ESPECIALLY ORDERED

(B) SKETCH No.138004  
9 SHEETS  
SHEET No.2

20 M/M MACHINE GUN MECH.MK.4 MOD.1

WESTINGHOUSE  
ELECTRIC & MFG. CO.  
APPROVED  
J.B.MEL.  
CHECKED  
IDE  
PREPARED BY  
J.B.C.  
DATE  
7/24/44  
9/15/44

U. S. NAVAL ORDNANCE PLANT, CENTER LINE, MICH.

2 Oct, 1944

K.C. Gullett

CAPTAIN U.S.N. COMMANDING

REL. 73236 10344

REVISIONS

| LOC. | NUMBER      | DATE    | LOC. | NUMBER | DATE |
|------|-------------|---------|------|--------|------|
| A1   | 73379       | 12-9-44 |      |        |      |
| B1   | SK.138004-9 | 3-24-45 |      |        |      |

| DRAWING NUMBERS | TITLE OF DRAWINGS   | REMARKS  |
|-----------------|---|--|
|                 | RECOILING MASS CONT'D.  |  |
| 299 660         | BREECH BOLT   |  |
|                 | PC. 1   |  |
|                 | NO.REQ'D. 1   |  |
| 299 665         | RECOIL SEAR AND DETAILS                                       |  |
|                 | PC. 1 2 3 4   | PG. 4 - 1 REQ'D. IN RECOILING MASS AND 1 REQ'D. IN BREECH CASING                           |
|                 | NO.REQ'D. 1 1 1 2   |  |
| 299 666         | BREECH BOLT COTTER AND DETAILS                                |  |
|                 | PC. 1 2 3 4   | PG.3 ONLY BEFORE AND PG. 4 ONLY AFTER CHANGE OVER  |
|                 | NO.REQ'D. 1 4 4 4   | PG. 4 - 5 REQ'D. WHEN 299661-5 IS USED.  |
| 299 667         | BARREL SPRING CASE AND SLEEVES                                |  |
|                 | PC. 1 2 3   | PG.1 NOT FOR USE AFTER CHG. OVER TO 299663 ASS'Y OR 367724-1 ASS'Y.                        |
|                 | NO.REQ'D. 1 1 1   | PG.2 ONLY FOR USE WITH PG.1  |
| 299 882         | BARREL SPRING CASE ASS'Y. AND DETAILS                         |  |
|                 | PC. 1 2 3   | PG.2 AND 299882 ASS'Y. ONLY FOR USE WITH 299883 ASS'Y.                                     |
|                 | NO.REQ'D. 1 1 1   | PG.1 ONLY FOR USE WITH 299883 ASS'Y. OR 367724-1 ASS'Y.                                    |
| 299 883         | BARREL SPRING CASE  |  |
|                 |   | PG.3 ONLY FOR USE WITH 299667-1 OR 299883 ASS'Y.   |
| 367 724         | BARREL SPRING CASE ASS'Y. AND DETAILS                         |  |
|                 | PC. 3   | 299883 ASS'Y FOR USE AFTER CHG. OVER FROM 299667-1. 299883 ASS'Y OPT. WITH 367724-1 ASS'Y. |
|                 | NO.REQ'D. 1   | PG.1 ASS'Y. OPTIONAL WITH 299883 ASS'Y.  |
| 299 668         | BARREL SPRINGS  |  |
|                 | PC. 1 2   | PG. 1 & 2 NOT FOR USE AFTER CHG. OVER TO 367533-1 AND 2.                                   |
|                 | NO.REQ'D. 1 1   |  |
| 367 533         | BARREL SPRING   |  |
|                 | PC. 1 2   | PG.1 & 2 FOR USE AFTER CHG. OVER FROM 299668-1 & 2.  |
|                 | NO.REQ'D. 1 1   |  |
| 367 534         | BARREL SPRINGS AND SPACER ASS'Y.                              |  |
|                 | PC. 3   | PG.3 AND 4 ONLY FOR USE WITH 367533-1 AND 2.   |
|                 | NO.REQ'D. 1   |  |
| 367 535         | BARREL SPRINGS INSTALLATION CHART                             |  |
|                 | PC. 1   |  |
|                 | NO.REQ'D. 1 PER EACH SPG(367533-1 OR 2) SHIPPED DISASSEMBLED. |  |

(A)

WESTINGHOUSE  
ELECTRIC & MFG. CO.  
APPROVED  
J.B.M.F.L.  
CHECKED  
J.D.E.  
PREPARED BY  
J.B.C.  
DATE  
7/23/44  
9/28/44  
9/19/44

\*DRAWINGS MARKED THIS (\*) NOT TO BE PRINTED UNLESS ESPECIALLY ORDERED

(A) SKETCH No.138004

20<sup>MM</sup> MACHINE GUN MECH. MK.4 MOD.1

95 SHEETS

SHEET No.3

U. S. NAVAL ORDNANCE PLANT, CENTER LINE, MICH.

2 OCT, 1944

A.C. GIBBS

CAPTAIN U.S.N. COMMANDING

REL. 73236 102-44

| REVISIONS |  | LOG. NUMBER    | DATE    | LOG. NUMBER | DATE |
|-----------|--|----------------|---------|-------------|------|
|           |  | Al SK.138004-9 | 3-24-45 |             |      |

| DRAWING NUMBERS       | TITLE OF DRAWINGS   | REMARKS   |
|-----------------------|---|---|
|                       | BREECH CASING   |   |
| 299 824               | BREECH CASING ASS'Y. COMPLETE                               | EXCEPT 299824 ASS'Y. (05-1030)  |
| 299 669               | BREECH CASING ASS'Y.  |   |
| 299 670<br>SHT. 1 & 2 | BREECH CASING   | PC.1 ONLY BEFORE AND PC.2 ONLY AFTER CHANGE OVER                      |
|                       | PC. 1 2   |   |
|                       | NO.REQ'D. 1 1   |   |
| 299 671               | BARREL STOP PIN AND DETAILS                                 | EXCEPT 299671 ASS'Y.  |
|                       | PC. 1 2 3 4 5 6 7 8   | PC'S. 5, 6, 7 AND 8, SELECT 1 ONLY AS REQ'D.                          |
|                       | NO.REQ'D. 1 1 1 1 SELECT 1                                  |   |
| 299 672               | BARREL LOCKING HANDLE ASS'Y AND DETAILS                     | 299672 ASS'Y. OPTIONAL WITH 367700-1 ASS'Y.                           |
|                       | PC. 1 2 3 4 5   | PC'S. 1, 2, 3 & 5 ONLY FOR USE WITH 299672 ASS'Y.                     |
|                       | NO.REQ'D. 1 1 1 1 1   |   |
| 367 700               | BARREL LOCKING HANDLE ASS'Y. AND DETAILS                    | PC.1 ASS'Y. OPTIONAL WITH 299672 ASS'Y.                               |
|                       | PC. 2 3 4 5   | PC'S. 2, 3, 4 AND 5 ONLY FOR USE WITH PC.1 ASS'Y.                     |
|                       | NO.REQ'D. 1 1 1 1   |   |
| 299 673               | BARREL LOCKING LEVER AND DETAILS                            |   |
|                       | PC. 1 2 3 4   |   |
|                       | NO.REQ'D. 1 1 1 1   |   |
| 299 674               | DOUBLE LOADING STOP AND DETAILS                             |   |
|                       | PC. 1 2 3 4 5   |   |
|                       | NO.REQ'D. 1 2 2 1 1   |   |
| 299 675               | DOUBLE LOADING STOP DETAILS                                 | PC'S. 2 AND 3 NOT FOR USE AFTER CHANGE OVER TO 299670-2.              |
|                       | PC. 1 2 3 4 5 6   | PC.6 OPTIONAL WITH 299679-2.  |
|                       | NO.REQ'D. 1 1 1 1 1 1                                       |   |
| 299 665               | RECOIL SEAR AND DETAILS                                     |   |
|                       | PC. 4   |   |
|                       | NO.REQ'D. (SEE RECOILING MASS)                              |   |
| 299 676               | BARREL SPRING SEATING RING CATCH AND DETAILS                | PC.7 FOR USE AFTER CHANGE OVER FROM 299678-5.                         |
|                       | PC. 1 2 3 4 5 6 7   |   |
|                       | NO.REQ'D. 1 1 1 1 1 1 12                                    |   |
| 299 677               | HAMMER PLATE ASS'Y. AND DETAILS                             |   |
|                       | PC. 1 2   |   |
|                       | NO.REQ'D. 1 1   |   |
| 299 678               | MAGAZINE CATCH LEVER AXIS ASSEMBLY AND RECOIL SPRING BUFFER | PC.5 NOT FOR USE AFTER CHANGE OVER TO 299676-7                        |
|                       | PC. 1 2 3 4 5   | ASS'Y. AND PC. 1, 2 AND 3, NOT FOR USE AFTER CHANGE OVER TO 299681-5. |
|                       | NO.REQ'D. 1 1 1 1 12  |   |
| 299 679               | MAGAZINE CATCH LEVER  | PC.2 OPTIONAL WITH 299675-5   |
|                       | PC. 1 2   |   |
|                       | NO.REQ'D. 1 1   |   |

|                                  |
|----------------------------------|
| WESTINGHOUSE ELECTRIC & MFG. CO. |
| APPROVED<br>J.B.M.S.L.           |
| DATE<br>8/30/44                  |
| CHECKED<br>1/23/44               |
| IDE                              |
| PREPARED BY<br>J.B.C.            |

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20 M/M MACHINE GUN MECH. MK.4 MOD. I

**D** SKETCH No.138004  
98 SHEETS  
SHEET No.4

U.S. NAVAL ORDNANCE PLANT, CENTER LINE, MICH.  
 2 Oct, 1944  
 H. C. GILLIES  
 CAPTAIN U.S.N. COMMANDING

REL. 7323610-2-44

| DRAWING NUMBERS       | TITLE OF DRAWINGS                                   | REMARKS  |
|-----------------------|---|--|
| BREECH CASING CONT'D. |   |  |
| 299 680               | MAGAZINE INTERLOCK AND EJECTOR ASSEMBLY AND DETAILS |  |
|                       | PC.       1     2     3     4     5     6           |  |
|                       | NO.REQ'D.   |  |
| 299 681               | EJECTOR <b>A</b>                                    | PC.5 FOR USE AFTER CHANGE OVER FROM 299678 ASS'Y.                                |
|                       | PC.       1     2     5                             | PC.5 NOT FOR USE AFTER CHANGE OVER TO 367736-1.                                  |
|                       | NO.REQ'D.     X 3.                                  |  |
| 299 683               | HAND GRIPS RETAINING CATCH ASSEMBLY AND DETAILS     |  |
|                       | PC.       2     3     4     5     6                 |  |
|                       | NO.REQ'D.   |  |
| 300 048               | REAR CAP  | EXCEPT 300048 ASS'Y.   |
|                       | PC.       1   |  |
|                       | NO.REQ'D.   |  |
| 367 736               | MAGAZINE MOUTH PIECE GUIDE AND DETAILS              | PC.1, 2 & 3 FOR USE AFTER CHANGE OVER FROM 299681-5                              |
|                       | PC.       1 <b>C</b> 2 <b>B</b> 3     4 <b>C</b>    |  |
|                       | NO.REQ'D.     1   2   1                             |  |
| 367 676               | SUBSTITUTES FOR STOCK MATERIAL                      | PC.7 OR 8-1 REQ'D. IN BREECH CASING AND 1 REQ'D. IN TRIGGER MECHANISM.           |
|                       | PC.       7 - OPT.     2 <b>C</b>                   |  |
|                       | NO.REQ'D. 2 <b>B</b> 1                              |  |
| TRIGGER MECHANISM     |   |  |
| 299 684               | TRIGGER CASING ASS'Y AND DETAILS                    | 299684 ASS'Y. (OE-1248) NOT FOR USE AFTER CHANGE OVER TO 299689 (OE-1200) ASS'Y. |
|                       | PC.       1     2     3                             |  |
|                       | NO.REQ'D.   |  |
| 299 685               | TRIGGER CASING DETAIL                               |  |
|                       | PC.       1   |  |
|                       | NO.REQ'D.   |  |
| 299 686               | TRIGGER HOOK & MAGAZINE INTERLOCK FORK              |  |
|                       | PC.       1     2     3     4                       |  |
|                       | NO.REQ'D.   |  |
| 299 687               | SPRING BOX ASS'Y AND DETAILS                        | ASS'Y. AND PC.1 NOT FOR USE AFTER CHANGE OVER TO 367536 ASS'Y.                   |
|                       | PC.       1     2     3     4                       |  |
|                       | NO.REQ'D.     2                                     |  |

REVISIONS

| LOC.           | NUMBER      | DATE     | LOC. | NUMBER | DATE |
|----------------|-------------|----------|------|--------|------|
| A <sup>1</sup> | 73396       | 12-27-44 |      |        |      |
| B <sup>2</sup> | 73490       | 3-10-45  |      |        |      |
| C <sup>3</sup> | 73490       | 3-10-45  |      |        |      |
| D <sup>4</sup> | SK.138004-9 | 3-24-45  |      |        |      |

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U. S. NAVAL ORDNANCE PLANT, CENTER LINE, MICH.  
2 Oct. 1944  
H. C. Phillips  
CAPTAIN U. S. N. COMMANDING

REVISIONS

| LOC. | NUMBER      | DATE    | LOC. | NUMBER | DATE |
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| A    | SK 138004-B | 3-24-45 |      |        |      |

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**20<sup>M</sup>/M MACHINE GUN MECH. MK.4 MOD.1**

SKETCH No. 138004  
98 SHEETS  
SHEET No. 5

| DRAWING NUMBERS                | TITLE OF DRAWINGS                          | REMARKS  |
|--------------------------------|--|--|
| TRIGGER MECHANISM: (CONTINUED) |  |  |
| 299 688                        | SPRING BOX DETAILS                         | PC. 3 & 4 NOT FOR USE AFTER CHANGE OVER TO 367536 ASS'Y.   |
|                                | PC. 1 2 3 4                                | 299688 ASS'Y. FOR USE AFTER CHG OVER FROM 299689(OE-1240) ASS'Y.   |
|                                | NO.REQ'D. 2 1 2 1                          |  |
| 367 536                        | SPRING BOX ASS'Y. AND DETAILS              | ASS'Y. PC. 1, 2 & 3 FOR USE AFTER CHANGE OVER FROM 299687 ASS'Y.   |
|                                | PC. 1 2 3                                  |  |
|                                | NO.REQ'D. 1 2 1                            |  |
| 299 689                        | PARALLELOGRAM ASS'Y. AND DETAILS           | 299689(OE-1240) ASS'Y. BEFORE & 299689(OE-1200) ASS'Y. AFTER CHANGE OVER FROM 299690-3, 6 & 7 TO 299695-6. |
|                                | PC. 1 2                                    |  |
|                                | NO.REQ'D. 2 1                              |  |
| 299 690                        | PARALLELOGRAM DETAILS                      | PC. 1 NOT FOR USE AFTER CHANGE OVER TO 367689-1  |
|                                | PC. 1 2 3 4 5 6 7 8                        | PC. 3, 6 & 7 NOT FOR USE AFTER CHANGE OVER TO 299695-6   |
|                                | NO.REQ'D. 1 1 1 1 2 1 2 1                  |  |
| 367 689                        | PARALLELOGRAM DETAILS                      | PC. 1 FOR USE AFTER CHANGE OVER FROM 299690-1  |
|                                | PC. 1                                      |  |
|                                | NO.REQ'D. 1                                |  |
| 299 691                        | TRIGGER PAWL AND HOLDER ASS'Y. AND DETAILS |  |
|                                | PC. 1 2 3                                  |  |
|                                | NO.REQ'D. 1 1 1                            |  |
| 299 692                        | TRIGGER TRIPPING BOLT ASS'Y. AND DETAILS   |  |
|                                | PC. 1 2 3 4 5 6                            |  |
|                                | NO.REQ'D. 1 1 1 1 1 1                      |  |
| 299 693                        | TRIGGER COVER PLATE ASS'Y.                 | SUPERSEDED BY 367735   |
| 299 694                        | TRIGGER COVER PLATE                        | PC. 1 FOR USE WITH 299694 ASS'Y. (RIVETED CONST.) PC. 2 FOR USE WITH 299694 ASS'Y. (WELDED CONST.)         |
|                                | PC. 1 2 - OPT. IN ASS'Y.                   | 299694 ASS'Y. OPT. WITH 299828-1 OR 299829-1   |
|                                | NO.REQ'D. 1                                | 299694 ASS'Y. PC. 1 & 2 NOT FOR USE AFTER CHG. OVER FROM 299693 ASS'Y. TO 367735-1                         |
| 299 828                        | TRIGGER COVER PLATE                        | PC. 1 OPT. WITH 299694 ASS'Y. OR 299829-1  |
|                                | PC. 1                                      | PC. 1 NOT FOR USE AFTER CHG. OVER FROM 299693 ASS'Y. TO 367735-1   |
|                                | NO.REQ'D. 1                                |  |
| 299 829                        | TRIGGER COVER PLATE                        | PC. 1 OPT. WITH 299694 ASS'Y. OR 299828-1  |
|                                | PC. 1                                      | PC. 1 NOT FOR USE AFTER CHG. OVER FROM 299693 ASS'Y. TO 367735-1   |
|                                | NO.REQ'D. 1                                |  |
| 299 695                        | SAFETY GEAR DETAILS                        | PC. 1 & 4 FOR USE WITH 299694 ASS'Y. (RIVETED CONST.) PC. 7 FOR USE WITH 299694 ASS'Y. (WELDED CONST.)     |
|                                | PC. 1 2 3 4 5 6 7                          | PC. 6 FOR USE AFTER CHG. OVER FROM 299690-3, 6 & 7   |
|                                | NO.REQ'D. 1 1 1 4 1 1 1                    | PC. 1, 2, 3, 4, 5 & 7 NOT FOR USE AFTER CHG. OVER FROM 299693 ASS'Y. TO 367735-1                           |
| 299 696                        | SAFE FIRE LEVER ASS'Y. AND DETAILS         | PC. 1, 2 & 3 NOT FOR USE AFTER CHG. OVER FROM 299693 ASS'Y. TO 367735-1.                                   |
|                                | PC. 1 2 3                                  |  |
|                                | REQ'D. 1 1 1                               |  |

REL 7323610-244

\*DRAWINGS MARKED THUS (\*) NOT TO BE PRINTED UNLESS ESPECIALLY ORDERED

(A) SKETCH No. 138004  
 95 SHEETS  
 SHEET No. 6

20 MM MACHINE GUN MECH. MK. 4 MOD. I

WESTINGHOUSE  
 ELECTRIC & MFG. CO.  
 APPROVED  
 J.A.M.S.L.  
 CHECKED  
 IDE  
 PREPARED BY  
 J.B.C.  
 DATE  
 9/30/44  
 9/28/44  
 9/26/44

U. S. NAVAL ORDNANCE PLANT, CENTER LINE, MICH.

2 Oct, 1944

R. C. Riley

CAPTAIN U.S.N. COMMANDING

REL. 73236 (0-244)

REVISIONS

| LOC. | NUMBER     | DATE    | LOC. | NUMBER | DATE |
|------|------------|---------|------|--------|------|
| A1   | SK138004-9 | 3-24-45 |      |        |      |

| DRAWING NUMBERS               | TITLE OF DRAWINGS                             | REMARKS   |
|-------------------------------|---|---|
| TRIGGER MECHANISM.(CONTINUED) |   |   |
| 299 697                       | INTERMEDIATE LEVER PLUNGER ASS'Y. AND DETAILS |   |
|                               | PC. 1 2 3 4 5 6                               |   |
|                               | NO.REQ'D. 1 1 1 1 1 15                        |   |
| 299 698                       | TRIGGER AND DETAILS                           |   |
|                               | PC. 1 2 3 ]-OPT. 4 6                          |   |
|                               | NO.REQ'D. 1 1 1 1 1                           |   |
| 367 676                       | SUBSTITUTES FOR STOCK MATERIAL                |   |
|                               | PC. 7 8 ]-OPT.                                |   |
|                               | NO.REQ'D. SEE BREECH CASING                   |   |
| 367 735                       | TRIGGER COVER PLATE ASS'Y.                    | SUPERSEDES 299693   |
| 367 737                       | TRIGGER COVER PLATE                           | PC. 2 & 3 FOR USE AFTER CHANGE OVER FROM 299693 ASS'Y. TO 367735-1.           |
|                               | PC. 2 3                                       |   |
|                               | NO.REQ'D. 1 1                                 |   |
| 367 738                       | SAFE-FIRE LEVER ASS'Y. AND DETAILS            | PCS. 2, 3, 4, 5, 6 & 7 FOR USE AFTER CHG OVER FROM 299693 ASS'Y. TO 367735-1. |
|                               | PC. 2 3 4 5 6 7                               |   |
|                               | NO.REQ'D. 1 1 1 1 1 1                         |   |
| *STANDARDS                    |   |   |
|                               | STD. NO. 2, 4, 52                             |   |
|                               | FELT U.S.A. STANDARD 8-15, 8-70               |   |
| *SPECIFICATIONS               |   |   |
|                               | 24-C-17                                       | OS-1224   |
|                               | 24-C-20 (INT.)                                | OS-4354   |
|                               | 37-M-1 (INT.)                                 | OS-4357   |
|                               | 46-S-4  | OS-4358   |
|                               | 49-S-1  | ARMY C.Q.D. 36  |
|                               | 52-C-18                                       |   |
|                               | 52-C-26 (INT.)                                |   |
|                               | V-T-276                                       |   |
|                               | HH-M-391                                      |   |
|                               | CCC-D-771                                     |   |

WESTINGHOUSE  
ELECTRIC & MFG. CO.  
APPROVED  
J.B. McZ.  
CHECKED  
J.D.E.  
DATE  
3/24/45  
3/29/45  
PREPARED BY  
J.B.C.  
DATE  
9/27/44

\*DRAWINGS MARKED THUS (\*) NOT TO BE PRINTED UNLESS ESPECIALLY ORDERED

20MM MACHINE GUN MECH. MK.4 MOD.1

(A) SKETCH No. 138004  
19 SHEETS  
SHEET No. 7

U. S. NAVAL ORDNANCE PLANT, CENTER LINE, MICH.

2 Oct 1944  
A.C. Gillette  
CAPTAIN U.S.N. COMMANDING

REL 73236 10-2-44

REVISIONS

| LOC. | NUMBER      | DATE    | LOC. | NUMBER | DATE |
|------|-------------|---------|------|--------|------|
| A1   | SM.138004-9 | 3-24-45 |      |        |      |

| DRAWING NUMBERS | TITLE OF DRAWINGS  | REMARKS  |
|-----------------|--|--|
|                 | <b>*TOOLS</b>  |  |
|                 | MANUFACTURED IN ACCORDANCE WITH PRESCRIBED LIST OF TOOLS, SPARE PARTS AND ACCESSORIES.         |  |
| 299 814         | TOOL ROLL AND BARREL TOOLS<br>PC. 3 4  | 299814 ASS'Y NOT FOR USE AFTER CHG. OVER TO 299817 ASS'Y.  |
| 299 815         | BREECH FACE PIECE SPANNER AND CARTRIDGE CASE EXTRACTOR<br>PC. 1 2 3 4 5<br>NO.REQ'D. 1 1 1 1 1 | PC.1 NOT FOR USE AFTER CHANGE OVER TO 367651-1<br>NO.REQ'D. PCS. 2,3,4&5 ARE FOR ONE EXTRACTOR ASS'Y. 299815.  |
| 367 651         | TOOLS<br>PC. 2 3 4 5 8<br>NO.REQ'D. 1 1  | NO.REQ'D. PC. 2 & 3 ARE FOR ONE WRENCH ASS'Y. 367651-1.<br>PC.1 ASS'Y. FOR USE AFTER CHANGE OVER FROM 299815-1.<br>PCS. 4 & 5 FOR USE AFTER CHANGE OVER FROM 299819-6.<br>NO. REQ'D. PC. 8 ARE FOR 2 BRUSHES 299816-4. |
| 299 816         | CLEANING ROD<br>PC. 1 2 3 4  | PC. 1, 2 & 3 NOT FOR USE AFTER CHANGE OVER TO 367516-1 & 2   |
| 367 516         | CLEANING ROD<br>PC. 1 2 3  | PC. 1 & 2 FOR USE AFTER CHANGE OVER FROM 299816-1, 2 & 3.  |
| 299 817         | TOOLS<br>PC. 1 2 3 4 5   | PC. 1 FOR USE BEFORE AND PC. 5 FOR USE AFTER CHANGE OVER.<br>299817 ASS'Y. FOR USE AFTER CHANGE OVER FROM 299814 ASS'Y.<br>PC. 2 NOT FOR USE AFTER CHANGE OVER FROM 299870-1 TO 299870-2.                              |
| 299 818         | TOOLS<br>PC. 1 2 3 4 5 6 7 8   | PC. 4 NOT FOR USE AFTER CHANGE OVER TO 299846-3.   |
| 299 819         | TOOLS<br>PC. 1 2 3 4 5 6   | PC. 6 NOT FOR USE AFTER CHANGE OVER TO 367651-4 & 5.   |
| 299 820         | TOOL ROLL<br>PC. 1   | PC. 1 NOT FOR USE AFTER CHANGE OVER TO 367532-1.   |
| 367 532         | TOOL ROLL<br>PC. 1   | PC. 1 FOR USE AFTER CHANGE OVER FROM 299820-1 & FROM 299816-1, 2 & 3 TO 367516-1 & 2   |
| 367 660         | BARREL BORE INSPECTION MIRROR<br>PC. 3 4 5 6 ]-OPT. 7 8<br>NO.REQ'D. 2 1 1 1 1 1               | NO.REQ'D ARE FOR ONE MIRROR ASS'Y. 367660-1  |
| 367 634         | SPARE PARTS BOX DETAILS<br>PC. 7<br>NO.REQ'D. 1  | NO. REQ'D. ARE FOR ONE MIRROR ASS'Y. 367660-1  |
| 299 830         | BARREL REMOVING TOOL ASS'Y. AND DETAILS<br>PC. 1 2 3 4 5<br>NO.REQ'D. 1 1 2 1 1                | 299830 ASS'Y. NOT FOR USE AFTER CHANGE OVER TO 300009-1.<br>NO. REQ'D. ARE FOR ONE TOOL ASS'Y. 299830.   |
| 300 009         | BARREL REMOVING TOOL<br>PC. 1  | PC. 1 FOR USE AFTER CHANGE OVER FROM 299830 ASS'Y.<br>PC. 1 NOT FOR USE AFTER CHANGE OVER TO 367720-1  |
| 367 639         | ACCESSORY SHIPPING BOX DETAILS<br>PC. 1 2<br>NO.REQ'D. 1 1                                     | NO. REQ'D. PC. 1 IS FOR ONE WRENCH ASS'Y. 367720-1.<br>NO. REQ'D. PC. 2 IS FOR ONE TOOL ROLL ASS'Y. 299817.  |
| 299 832         | TOOLS<br>PC. 1 5   | PC. 1 OPTIONAL WITH PC. 5  |



DRAWINGS MARKED THIS (P) NOT TO BE PRINTED UNLESS ESPECIALLY INDICATED

(B) SKETCH BOOK SHEETS SHEET NO. 1

20 MM MACHINE GUN MECH. MK. 4 MOD. I

WESTINGHOUSE ELECTRIC & MFG. CO.  
 APPROVED: H.B. M.G.L.  
 DATE: 7/29/44  
 CHECKED: J.B.C.  
 DATE: 9/2/44  
 PREPARED BY: J.B.C.  
 DATE: 7/21/44

U.S. NAVAL ORDNANCE PLANT, CENTER LINE, MICH.  
 2. Mr. Y. 19 44  
 H.C. Giller  
 CAPTAIN U.S.N. COMMANDING

REVISIONS

| LOC. | NUMBER    | DATE     | LOC. | NUMBER | DATE |
|------|-----------|----------|------|--------|------|
| A.   | 7333B     | 11-16-44 |      |        |      |
| B.   | SK1380049 | 3-24-45  |      |        |      |

| DRAWING NUMBERS  | TITLE OF DRAWINGS                                   | REMARKS  |
|--|---|--|
| TOOLS (CONTINUED)  |   |  |
| 367 720  | BARREL REMOVING TOOL ASS'Y. AND DETAILS             | PG. 1 ASS'Y. FOR USE AFTER CHANGE OVER FROM 300009-I       |
|  | PC. 2 3 4 5 6                                       |  |
|  | NO. REQ'D. 1 1 1 1 1                                | NO. REQ'D. ARE FOR ONE 367720-I                            |
| 367 707  | SUBSTITUTES FOR STOCK MATERIAL                      |  |
|  | PC. 3 4   |  |
|  | NO. REQ'D. 2 3                                      | NO. REQ'D. ARE FOR ONE 367720-I                            |
| 299 932  | SUBSTITUTES FOR STOCK MATERIAL                      |  |
|  | PC. 2   |  |
|  | NO. REQ'D. 3  | NO. REQ'D. ARE FOR ONE ASS'Y. 367720-I                     |
| 299 846  | COLUMN BUSHING AND OILER                            | PG. 3 FOR USE AFTER CHANGE OVER FROM 300518-I              |
|  | PC. 3   |  |
| (A) * SPARE PARTS BOX.<br>MANUFACTURED IN ACCORDANCE WITH PRESCRIBED LIST OF TOOLS, SPARE PARTS AND ACCESSORIES. |   |  |
| 454 162  | SPARE PARTS BOX WITH CONTENTS.                      |  |
| 492 510  | SPARE PARTS BOX ASSY. (LESS CONTENTS).              |  |
| 367562-1   | SPARE PARTS BOX                                     | 1 REQ'D. PER 492510 ASS'Y.                                 |
| 492 511  | SPARE PARTS BOX TRAY.                               | 1 REQ'D. PER 492510 ASS'Y.                                 |
| 487 502  | SPARE PARTS BOX LIST OF CONTENTS LABEL.             | 1 REQ'D. PER 492510 ASS'Y.                                 |
| 454 163  | MISCELLANEOUS SPARE PARTS BAG WITH CONTS.           |  |
| 487 503  | MISCELLANEOUS SPARE PARTS BAG.                      |  |
| 454 169  | MISC. SPARE PARTS ENVELOPE WITH CONTENTS            |  |
| 367634-1   | ENVELOPE (3 X 5).                                   | 1 REQ'D. PER 492510 ASS'Y.                                 |
| (A) * GUN AND ACCESSORY SHIPPING BOX.  |   |  |
| 454 168  | GUN & ACCESSORY SHIPPING BOX WITH CONTENTS.         |  |
| 492 512  | GUN & ACCESSORY SHIPPING BOX ASSEMBLY.              | 1 REQ'D. PER TWO 20 MM MACHINE GUN MECHANISMS MK. 4 MOD. I |
| 492 513  | GUN & ACCESSORY SHIPPING BOX.                       | 1 REQ'D. PER 492512  |
| 492 514  | GUN & ACCESSORY SHIPPING BOX.                       |  |
| 492 515  | GUN & ACCESSORY SHIPPING BOX.                       |  |
| 367717-3   | IDENTIFYING LABEL.                                  | 2 REQ'D. PER 492512  |
| 367717-4   | PROOFED PARTS ENVELOPE.                             | 1 REQ'D. PER 492512  |
| 299903-1   | PRESERVATIVE GREASE REMOVAL TAG.                    | 2 REQ'D. PER 492512  |
| 299903-3   | MAGAZINE CATCH LEVER INST. TAG.                     | 2 REQ'D. PER 492512  |
| 454 179  | GUN AND ACCESSORY SHIPPING BOX IDENTIFICATION CARD. | 2 REQ'D. PER 492512  |

REL 73256 107 44

