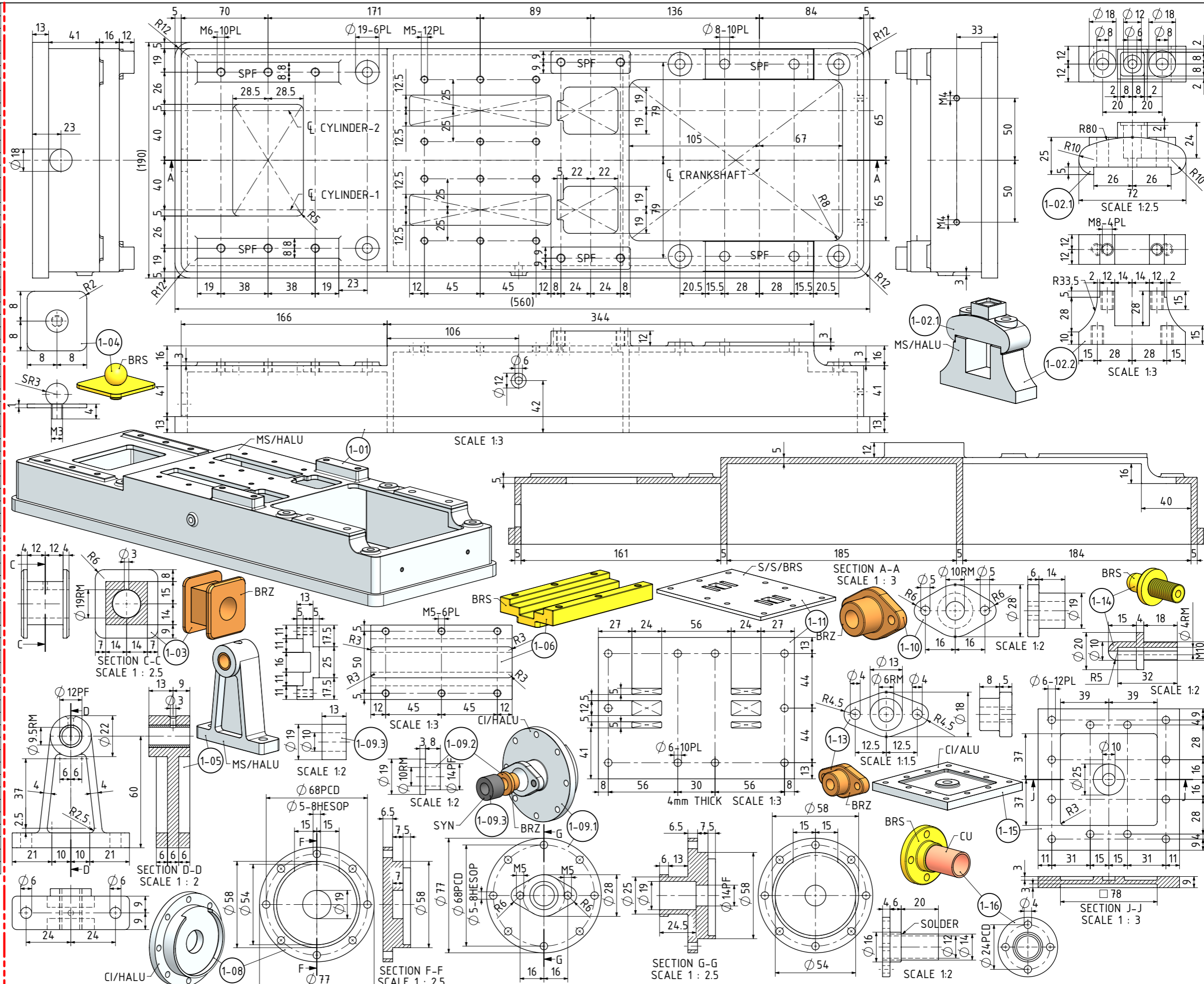


QTY.	PART NUMBER
1	MUNCASTER11-1-01-BEDPLATE
2	MUNCASTER11-1-02-CRANKSHAFT BEARING HOUSING
2	MUNCASTER11-1-03-CRANKSHAFT BEARING
2	MUNCASTER11-1-04-BEARING OIL HOLE COVER
2	MUNCASTER11-1-05-EXPANSION LNK SHAFT SUPPORT
2	MUNCASTER11-1-06-CROSSHEAD GUIDE SLIDE
1	MUNCASTER11-1-07-CYLINDER BLOCK
2	MUNCASTER11-1-08-CYLINDER FRONT COVER
2	MUNCASTER11-1-09-CYLINDER REAR COVER
2	MUNCASTER11-1-10-PISTON ROD GLAND
1	MUNCASTER11-1-11-PORT PLATE
1	MUNCASTER11-1-12-VALVE CHEST
2	MUNCASTER11-1-13-VALVE ROD GLAND
2	MUNCASTER11-1-14-VALVE ROD END CAP
1	MUNCASTER11-1-15-VALVE CHEST COVER
1	MUNCASTER11-1-16-STEAM INLET PIPE
1	MUNCASTER11-1-17-STEAM OUTLET PIPE
4	MUNCASTER11-1-18-C-H GUIDE SLIDE KEEPER
1	MUNCASTER11-1-19-REV.LOWER ROCKING SHAFT
1	MUNCASTER11-1-20-REV. UNDER AXLE BRACKET
1	MUNCASTER11-1-21-NAME PLATE
2	MUNCASTER11-2-01-PISTON+ROD+CROSSHEAD
2	MUNCASTER11-2-02-CROSSHEAD OILER
1	MUNCASTER11-2-03-CRANKSHAFT
1	MUNCASTER11-2-04-FLYWHEEL
2	MUNCASTER11-2-05-CONROD
2	MUNCASTER11-2-06-CONROD BIG END BEARING
2	MUNCASTER11-2-07-CONROD OILER
2	MUNCASTER11-2-08-SLIDE VALVE
2	MUNCASTER11-2-09-SLIDE VALVE SPINDLE
2	MUNCASTER11-2-10-SLIDE VALVE SPINDLE CONROD
2	MUNCASTER11-2-11-EXP. LINK HOUSING
2	MUNCASTER11-2-11-EXP. LINK HOUSING
2	MUNCASTER11-2-12-EXP. LINK HOUSING LINK BAR-1
1	MUNCASTER11-2-13-EXP. LINK HOUSING LINK BAR-2
1	MUNCASTER11-2-14-EXP. LINK HOUSING SHAFT-1
1	MUNCASTER11-2-15-EXP. LINK HOUSING SHAFT-2
4	MUNCASTER11-2-16-EXP. LINK
4	MUNCASTER11-2-17-EXP. LINK NUT
1	MUNCASTER11-2-18-LIFTING LINK
2	MUNCASTER11-2-19-REV. SPINDLE BEARING BLOCK
1	MUNCASTER11-2-20-REV. SPINDLE
2	MUNCASTER11-2-21-ECCENTRIC ROD
2	MUNCASTER11-2-22-RADIUS BAR
2	MUNCASTER11-2-23-COMBINATION LEVER
2	MUNCASTER11-M3 NUT
8	MUNCASTER11-M3x8 A-K C-SINK SCREW
2	MUNCASTER11-M3x10 HEX BOLT
4	MUNCASTER11-M4 DOME NUT
4	MUNCASTER11-M4 NUT
4	MUNCASTER11-M4 WASHER
2	MUNCASTER11-M4x6 HEX BOLT
14	MUNCASTER11-M4x12 HEX BOLT
4	MUNCASTER11-M4x24 STUD
12	MUNCASTER11-M5 DOME NUT
36	MUNCASTER11-M5x14 HEX BOLT
4	MUNCASTER11-M5x20 HEX BOLT
10	MUNCASTER11-M5x28 HEX BOLT
2	MUNCASTER11-M5x34 HEX BOLT
9	MUNCASTER11-M6 DOME NUT
11	MUNCASTER11-M6 NUT
8	MUNCASTER11-M6 WASHER
8	MUNCASTER11-M6x16 HEX BOLT
16	MUNCASTER11-M6x20 HEX BOLT
4	MUNCASTER11-M6x44 HEX BOLT
4	MUNCASTER11-M6x66 STUD
4	MUNCASTER11-M8 DOME NUT
4	MUNCASTER11-M8x20 HEX BOLT
4	MUNCASTER11-M8x42 STUD



NOTES: THE ORIGINAL DRAWINGS WERE PUBLISHED IN THE "THE MODEL ENGINEER AND ELECTRICIAN" MAGAZINE OF MARCH AND APRIL 1905 UNDER THE HEADING "A MODEL HORIZONTAL ENGINE WITH JOY'S VALVE GEAR" BY H. MUNCASTER.

TITLE
2 CYL HORIZONTAL STEAM ENGINE WITH "JOY" VALVE GEAR BY H.MUNCASTER.

DRAWING CONTENTS
BILL OF MATERIAL, PARTS AND ASSEMBLIES

PROJECT No 11-11-00
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PROJECTION
 JDWDS
 DATE MARCH-2018
 SHEET: 03 OF 07

MODEL SCALE: 1:1
 DWG SCALE: 1:1 @A3 OR AS SHOWN
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A3 No: MUNCASTER11-03