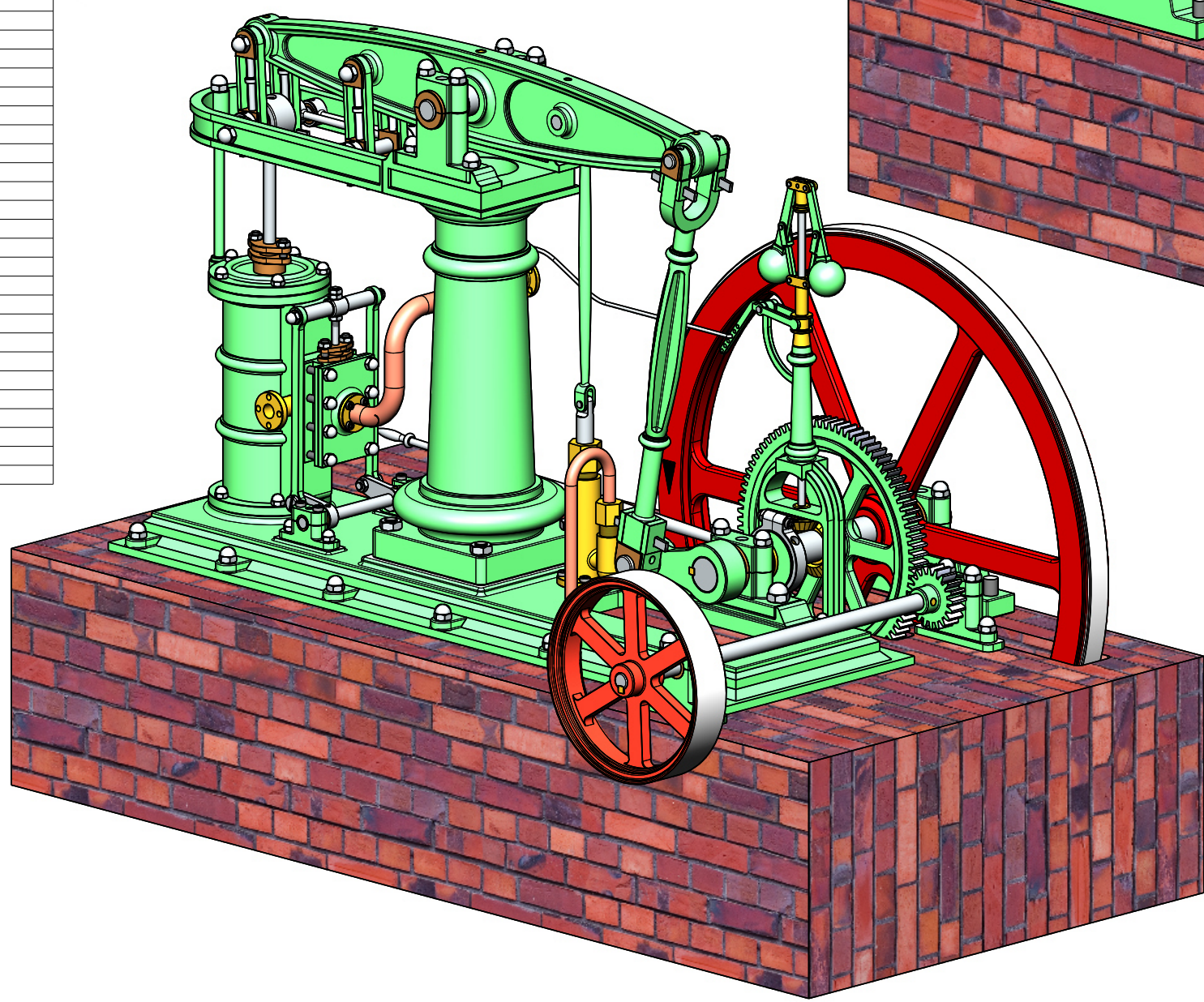
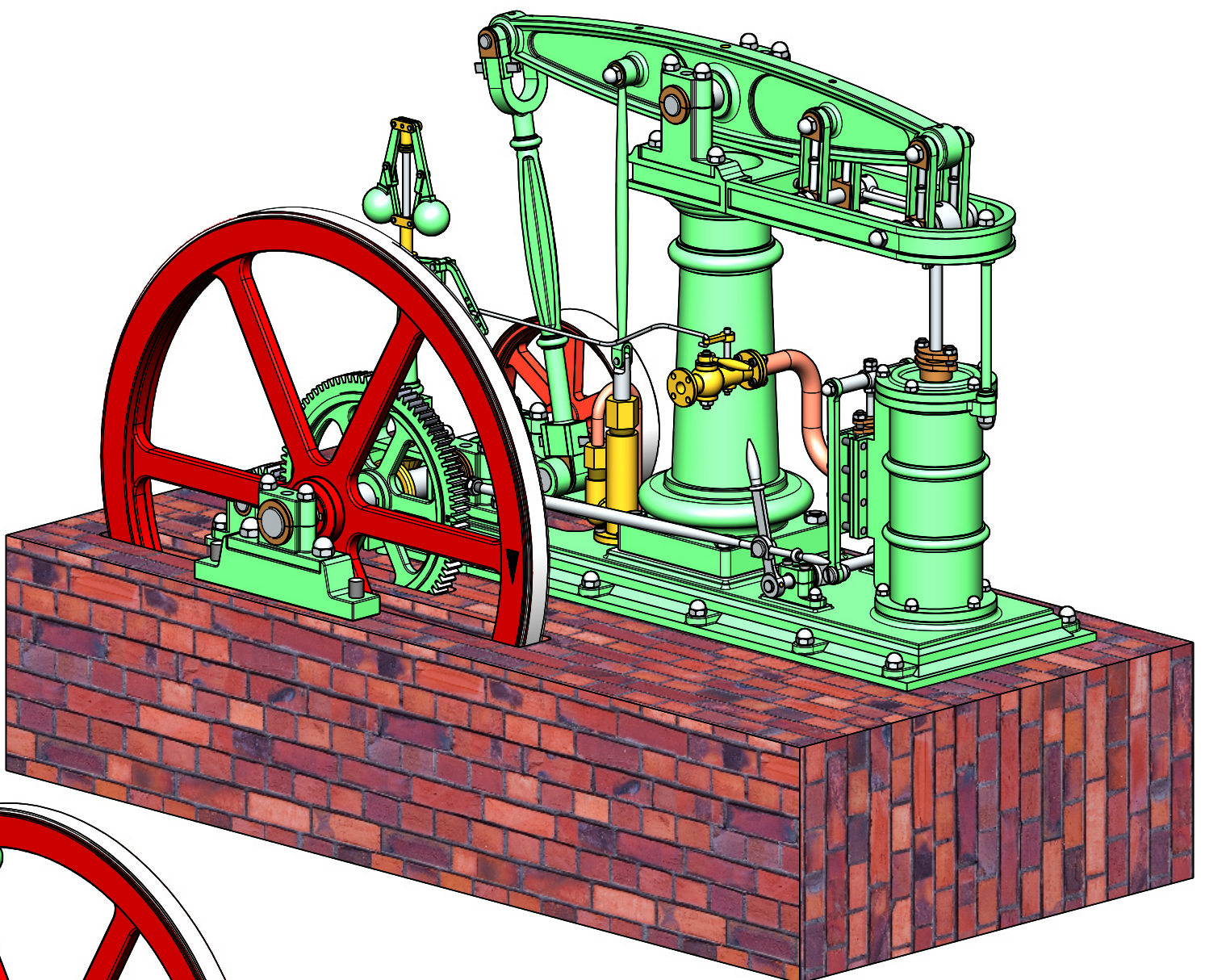
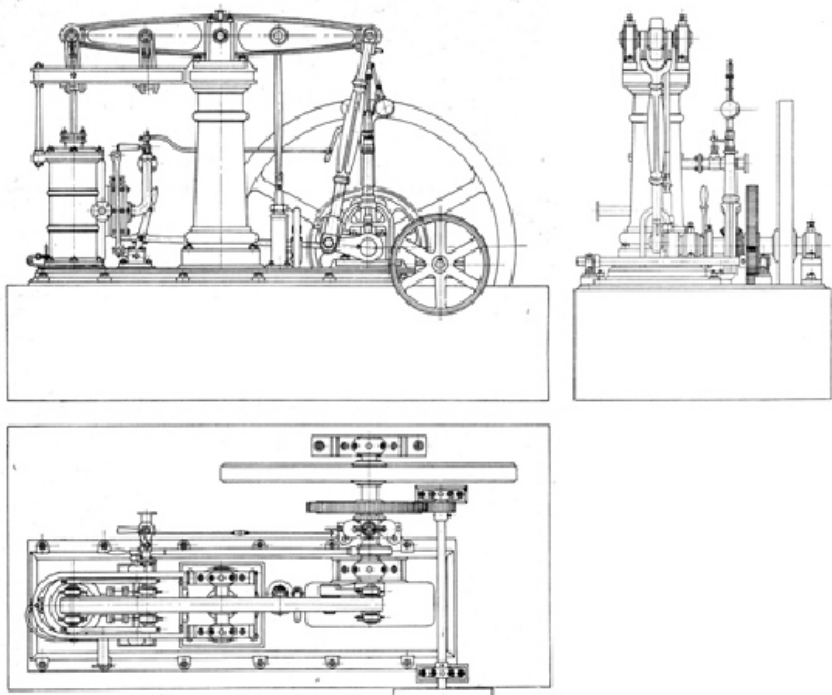


QTY.	PART NUMBER
1	09E-61-00-1-01-BASE+BEDPLATE
1	09E-61-00-1-02-CRANK SHAFT OUTER MAIN BEARING
1	09E-61-00-1-03-CRANK SHAFT INNER MAIN BEARING
2	09E-61-00-1-04-AUX. PULLEY SHAFT BEARING
1	09E-61-00-1-05-CENTER COLUMN
2	09E-61-00-1-06-SLIDE VALVE SHAFT BEARING
1	09E-61-00-1-07-CYLINDER+VALVE CHEST
1	09E-61-00-1-08-CYLINDER TOP COVER
2	09E-61-00-1-09-BALANCED BEAM MAIN BEARING
1	09E-61-00-1-10-DUMMY WATER PUMP
1	09E-61-00-1-11-GOVERNOR MOUNTING FRAME
1	09E-61-00-1-12-STEAM INLET VALVE+CONTROL
1	09E-61-00-2-01-AUX. DRIVEN SHAFT+PULLEY
1	09E-61-00-2-02-CRANKSHAFT+FLYWHEEL
1	09E-61-00-2-03-BALANCED BEAM
1	09E-61-00-2-04-CON-ROD
1	09E-61-00-2-05-CROSSHEAD LINK
1	09E-61-00-2-05-CROSSHEAD LINK
2	09E-61-00-2-06-PARALLEL LINK
1	09E-61-00-2-07-PISTON+CROSSHEAD
1	09E-61-00-2-08-RESTRAINER LINK
1	09E-61-00-2-09-SLIDE VALVE+CROSSHEAD
1	09E-61-00-2-10-ROCKING SHAFT
2	09E-61-00-2-11-ROCKING SHAFT CROSSHEAD LINK
1	09E-61-00-2-12-ECCENTRIC STRAP
1	09E-61-00-2-13-GOVERNOR VERTICAL SHAFT
1	09E-61-00-2-14-GOVERNOR LIFTING COLLAR
2	09E-61-00-2-15-FLYWRIGHT
2	09E-61-00-2-16-COLLAR LINK
1	09E-61-00-2-17-GOVERNOR CONTROL ARM
1	09E-61-00-2-18-DUMMY WATER PUMP PLUNGER
1	09E-61-00-2-19-DUMMY WATER PUMP CON-ROD
1	09E-61-00-2-20-STEAM INLET CONTROL FLAP
1	09E-61-00-2-21-FLAP CONTROL ARM
1	09E-61-00-2-22-STEAM INLET MAIN VALVE
1	09E-61-00-M1.5x2 A-K GRUB SCREW
1	09E-61-00-M2 NUT
2	09E-61-00-M2 WASHER
4	09E-61-00-M2.5 NUT
8	09E-61-00-M2.5x7 A-K CYL HEAD SCREW
1	09E-61-00-M2x5 A-K CYL HEAD SCREW
28	09E-61-00-M3 DOME NUT
12	09E-61-00-M3 NUT
1	09E-61-00-M3 WASHER
6	09E-61-00-M3x14 A-K CYL HEAD SCREW
5	09E-61-00-M3x17 A-K CYL HEAD SCREW
1	09E-61-00-M3x7 A-K GRUB SCREW
14	09E-61-00-M3x8 A-K CYL HEAD SCREW
2	09E-61-00-M3x9 A-K C-SINK SCREW
41	09E-61-00-M4 DOME NUT
1	09E-61-00-M4 NUT
14	09E-61-00-M4x20 A-K CYL HEAD SCREW
4	09E-61-00-M5 DOME NUT
4	09E-61-00-M5 NUT
4	09E-61-00-M5x18 A-K CYL HEAD SCREW
4	09E-61-00-M5x26 A-K CYL HEAD SCREW



OTHER ABBREVIATIONS
AS = AS SHOWN
DP = DEEP
DAA= DRILL AFTER ASSEMBLY
D&TAA= DRILL AND TAP AFTER ASSEMBLY
CF = CLOSE FIT (SIZE FOR SIZE)
PF = PRESS FIT
PFAA= PRESS FIT AFTER ASSEMBLY
PCD = PITCH CIRCLE DIAMETER
RM = REAM
HEX = HEXACON, 6SIDED
CP = COMPRESSED
KNL = KNURLED
CSK = COUNTERSINK
PL = PLACES
DWL= DOWEL
SPF= SPOTFACE
(T)HESOP=(TAPPED)HOLES EQUALLY SPACED ON PCD
(T)HESOC=(TAPPED)HOLES EQUALLY SPACED ON CIRCUMFERENCE
OD = OUTSIDE DIAMETER
ID = INSIDE DIAMETER
MAX/MIN = CRITICAL DIMENSION
[SA-xxx]= SUB ASSEMBLY-xxx

NOTES: FOUND ORIGINAL DRAWING ON THE INTERNET. NO DESIGNER OR ORIGINATOR SHOWN ON THE DRAWING. FOUND OUT THAT THIS ENGINE WAS PUBLISHED IN THE "MODEL ENGINEER" MAGAZINE OCTOBER 1959. ARTICLES OF THE BUILD OF THIS ENGINE WERE WRITTEN BY "EXACTUS"

TITLE
**A BALANCED BEAM STEAM ENGINE
(BORE=30mm STROKE=64mm)**

DRAWING CONTENTS
**ISOMETRIC VIEWS, NOTES,
ORIGINAL DRAWING**

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PROJECTION	JDWDS	MODEL SCALE: 1:1
DATE	SEPTEMBER 2022	DWG SCALE: 1:1 @A3 OR AS SHOWN
SHEET: 02 OF 08		Copyright © J.A.M. DE WAAL PAPAURA NZ
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