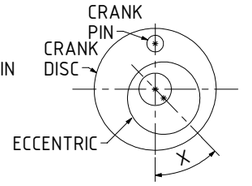
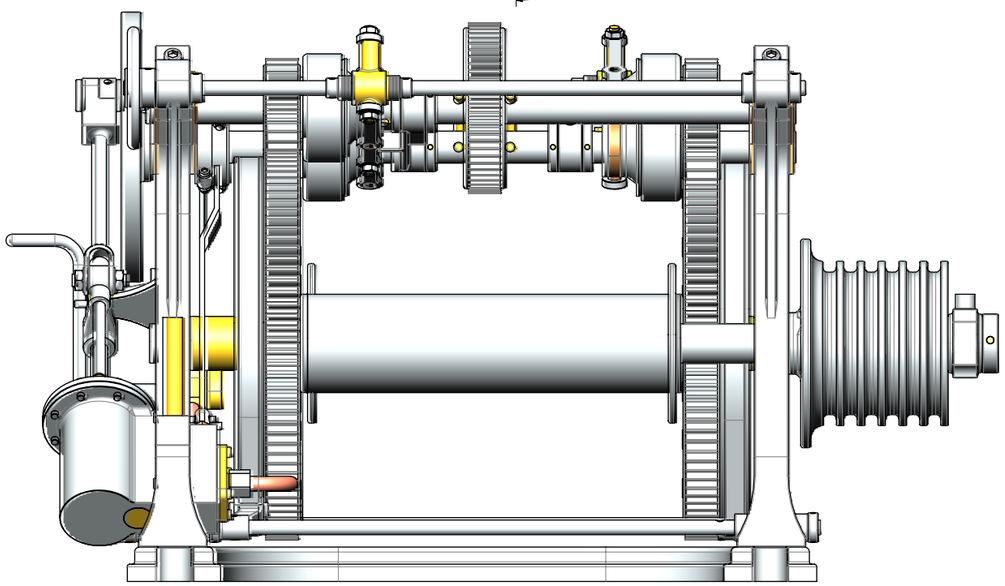
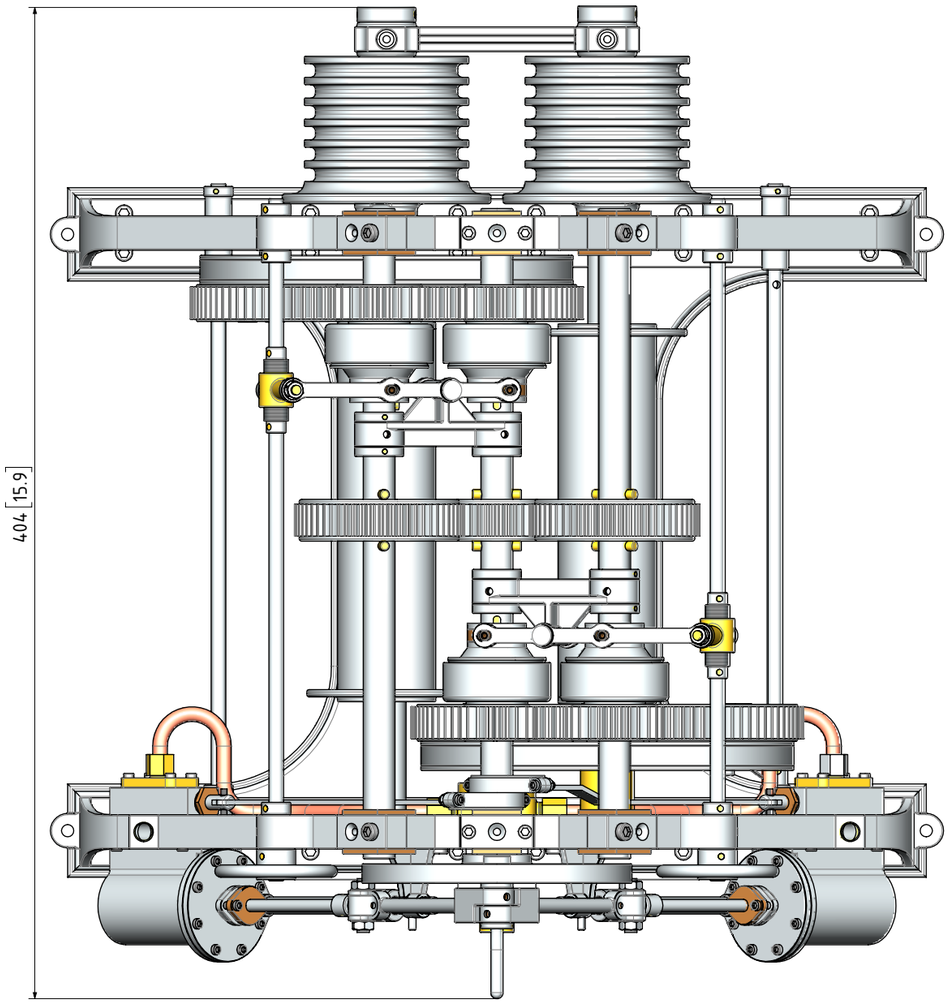
DUE TO THE LACK OF INFORMATION ON THE ORIGINAL DRAWING(S), SUCH AS VIEWS, DIMENSIONS, SECTIONS ETC AND/OR CLARITY OF COMPONENTS, OMITTED PARTS/COMPONENTS, SOME OF THE COMPONENTS MIGHT NOT BE AS CONSTRUCTED ORIGINALLY OR AS THE ORIGINAL DESIGNER INTENDED

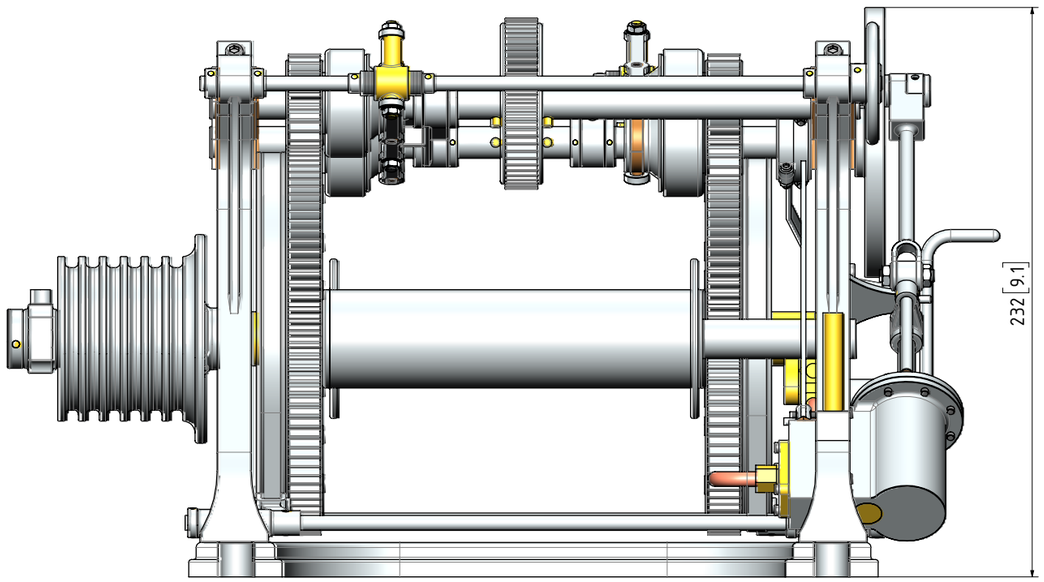
THE OFF SET ANGLE OF THE ECCENTRIC IN RELATION TO THE CRANK AXIS TO BE EXPERIMENTALLY DETERMINED FOR THE SMOOTH RUNNING OF THE ENGINE AND SATISFACTION OF THE BUILDER

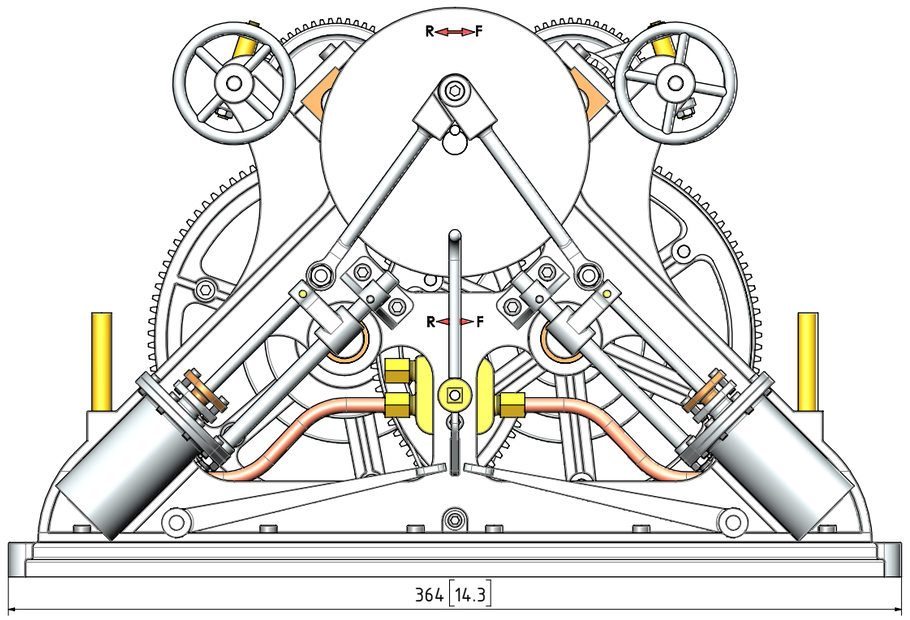






QTY.	PART NUMBER
1	09E-63-00-1-01-BASE PLATE
6	09E-63-00-1-02-MAIN BEARING
2	09E-63-00-1-03-CROSSHEAD GUIDE BRACKET
1	09E-63-00-1-04-CYLINDER
1	09E-63-00-1-04-CYLINDER
2	09E-63-00-1-05-CROSSHEAD GUIDE BAR
1	09E-63-00-1-06-STEAM SUPPLY PIPE
1	09E-63-00-1-06-STEAM SUPPLY PIPE
1	09E-63-00-1-07-REVERSING VALVE BODY
1	09E-63-00-2-01-CRANK SHAFT
2	09E-63-00-2-02-PISTON
2	09E-63-00-2-03-CON-ROD
2	09E-63-00-2-04-POPPET VALVE
1	09E-63-00-2-05-ECCENTRIC STRAP-1
1	09E-63-00-2-06-ECCENTRIC STRAP-2
2	09E-63-00-2-07-CRANK SHAFT END G-W
1	09E-63-00-2-08-GEAR WHEEL+OUTER DRUM-1
1	09E-63-00-2-09-GEAR WHEEL+OUTER DRUM-2
2	09E-63-00-2-10-INNER SPOOL DRUM
1	09E-63-00-2-11A-HIGH GEAR SHAFT-1
1	09E-63-00-2-11B-HIGH GEAR SHAFT-2
2	09E-63-00-2-12-HIGH GEAR SHAFT END G-W
1	09E-63-00-2-13-OUTER DRUM END BEARING
2	09E-63-00-2-14-CLUTCH BRACKET
4	09E-63-00-2-15-CLUTCH PLATE
4	09E-63-00-2-16-CLUTCH PLATE COLLAR
1	09E-63-00-2-17-CLUTCH OPERATING HAND WHEEL
1	09E-63-00-2-17-CLUTCH OPERATING HAND WHEEL
2	09E-63-00-2-18-CLUTCH OPERATING LEVER
2	09E-63-00-2-19-CLUTCH OPERATING NUT
1	09E-63-00-2-20-BRAKE PEDAL
1	09E-63-00-2-20-BRAKE PEDAL
2	09E-63-00-2-21-BRAKE STRAP
1	09E-63-00-2-22-REVERSING VALVE+HANDLE
4	09E-63-00-M3 NUT
8	09E-63-00-M3x10 A-K CYL HEAD SCREW
2	09E-63-00-M3x10 A-K GRUB SCREW
34	09E-63-00-M3x8 A-K CYL HEAD SCREW
6	09E-63-00-M4 NUT
8	09E-63-00-M4 WASHER
4	09E-63-00-M4x18 A-K CYL HEAD SCREW
2	09E-63-00-M4x8 A-K CYL HEAD SCREW
6	09E-63-00-M5 NUT
4	09E-63-00-M5 WASHER
1	09E-63-00-M5x10 A-K C-SINK SCREW
28	09E-63-00-M5x10 A-K CYL HEAD SCREW
1	09E-63-00-M5x16 A-K CYL HEAD SCREW
4	09E-63-00-M5x18 A-K CYL HEAD SCREW
12	09E-63-00-M5x26 A-K C-SINK SCREW





ADDITIONAL NOTES ABOUT THESE DRAWINGS:
1) NO MATERIALS HAVE BEEN SPECIFIED ON THESE DRAWINGS. THE BUILDER TO CHOOSE ITS OWN PREFERRED MATERIAL FOR THE PARTS/COMPONENTS. THE FOLLOWING COLOURS ON THE DRAWINGS INDICATES POSSIBLE MATERIALS WHICH CAN BE USED FOR PARTS: YELLOW=BRASS, LIGHT GREY=ALUMINIUM OR MILD STEEL, REDDISH BROWN=COPPER, DARK BROWN=BRONZE OR GUN METAL, WHITISH=SILVER STEEL OR STAINLESS STEEL
2) FASTENERS.
FASTENERS SUCH AS BOLTS, SCREWS, RIVETS, NUTS AND WASHERS HAVE BEEN SHOWN ON THESE DRAWINGS. THE BUILDER CAN CHOOSE ITS OWN PREFERRED TYPE OF FASTENERS.
3) PIPING
PREFERABLY ALL PIPING TO BE COPPER. THE PIPING ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER TO ESTABLISH THE PIPE LENGTH AND ROUTE FROM WORK PIECE. THE PIPE SIZES ARE INDICATIVE ONLY. THE BUILDER TO ESTABLISH THE AVAILABILITY OF THE PIPE SIZE(S) FROM THE LOCAL SUPPLIER(S). THE PIPE NUT(S) TO BE ADJUSTED TO THE USED PIPE SIZE.

NOTES: FOUND A LITHOGRAPH WHICH WAS PUBLISHED ON THE "MODELENGINEERINGWEBSITE" WEBSITE. THE LITHOGRAPH WAS TITLED: "DUPLEX WINCH AT THE ST. PANCRAS STATION; MIDLAND RAILWAY. CONSTRUCTED BY MESSRS. APPLEBY BROTHERS, ENGINEERS, LONDON"

TITLE
STEAM DRIVEN DUPLEX WINCH AT ST PANCRAS STATION; MIDLAND RAILWAY

DRAWING CONTENTS
GENERAL ARRANGEMENT AND NOTES

PROJECT No 09E-63-00

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PROJECTION JDWDS

DATE FEBRUARY 2023

SHEET: 01 OF 08

MODEL SCALE: 1:1

DWG SCALE: 1:1 @A3 OR AS SHOWN

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A3 No:09E-63-00-SHT-01

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