SOLDER/BRAZE ALL CORNERS

2mm THICK PLATE SCALE 1:1.5

SOLDER ENTIRE UNIT WATERTIGHT

SOLDER

SCALE 1:1.5

1mm THICK PLATE SCALE 1:1.5

SCALE 1.5:1

SCALE 1:1.5

WATERTANK
CYLINDER
COVER
PISTON GUIDE
BASE

ALU
BRS
MS

SOLDER/BRAZE ENTIRE UNIT TOGETHER

SCALE 2:1

1mm THICK

2mm THICK

SA-1-105

SECTION A-A SCALE 1 : 2

GLUE

SCALE 1:1.5

SOLDER/BRAZE PART 1-03 HERE

WOOD
CRANKPIN
"X"

THE OFF SET ANGLE "X" 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

NOTES: THE ORIGINAL DRAWINGS AND ARTICLE WERE TAKEN FROM THE INTERNET. THE DESCRIPTION AND THE OPERATION OF THIS ENGINE ARE IN A DOCUMENT WRITTEN BY "UNITED STATES PATENT OFFICE" PATENT No 479,651 DATED JULY 26, 1892

TITLE
A VACUUM ENGINE AS PROPOSED FOR OBTAINING A PATENT BY R. M. LOWNE 1892

DRAWING CONTENTS
PARTS AND ASSEMBLIES

PROJECT No 05B-12-00

JDW DRAUGHTING SERVICES
J.A.M. DE WAAL. 12 BRIGHTWELL STREET PAPAKURA 2110. NEW ZEALAND. PHONE: 0064 09 2988815. MOB: 0211791000 E-MAIL: dewaal@xtra.co.nz.

PROJECTION JDWDS

DATE APRIL 2021

MODEL SCALE: 1:1
DWG SCALE: 1:1 @A3 OR AS SHOWN

Copyright © J.A.M. DE WAAL PAPAKURA NZ

SHEET: 02 OF 03 A3 No: 05B-12-00-SHT02

DRAWINGS ARE FOR PERSONAL USE ONLY NOT FOR COMMERCIAL PURPOSES