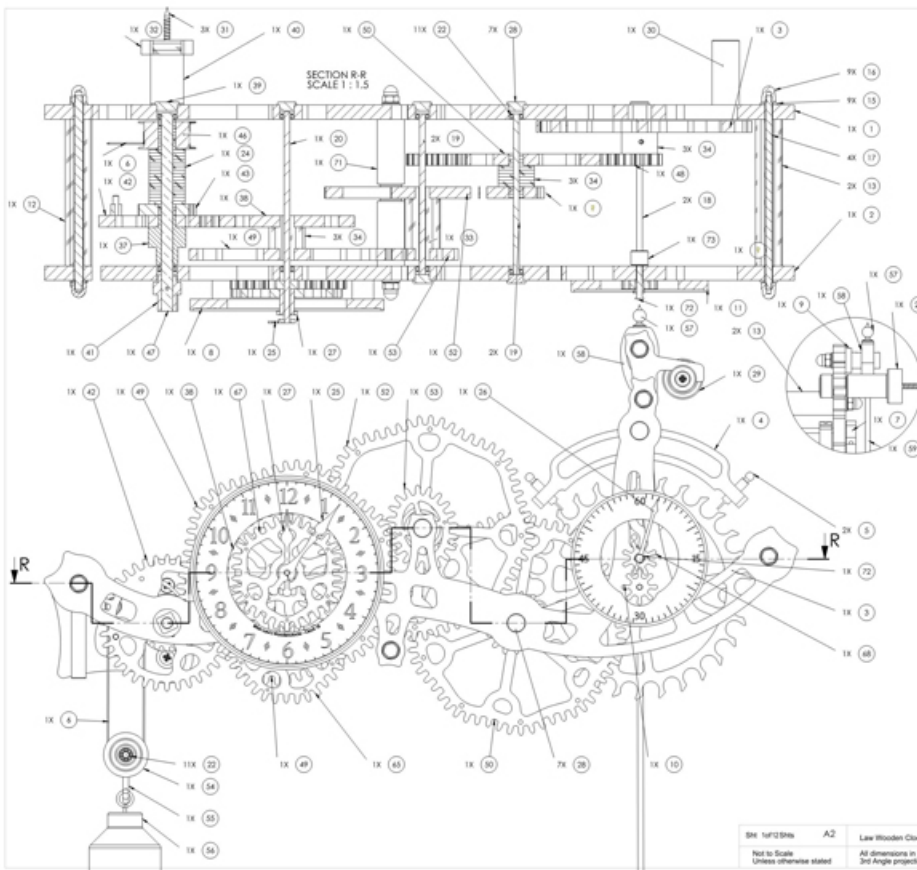




ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Clock 18 Frame Rear	Wood	1
2	Clock 18 Frame Front	Wood	1
3	Clock 18 Escapement wheel	Wood	1
4	Clock 18 Escapement	Wood	1
5	Clock 18 Pin	Wood	2
6	Clock 18 Weight Card	Vermin Wood Card 10mm	1
7	Clock 18 Yoke	Wood	1
8	Clock 18 Dial	Wood	1
9	Clock 18-4 Teeth	Brass	1
10	Clock 18-4 Teeth	Wood	1
11	Clock 18-4 Teeth	Wood	1
12	Clock 18-4 Teeth	Wood	1
13	Clock 18-4 Teeth	Wood	1
14	Clock 18-4 Teeth	Wood	1
15	Clock 18-4 Teeth	Wood	1
16	Clock 18-4 Teeth	Wood	1
17	Clock 18-4 Teeth	Wood	1
18	Clock 18-4 Teeth	Wood	1
19	Clock 18-4 Teeth	Wood	1
20	Clock 18-4 Teeth	Wood	1
21	Clock 18-4 Teeth	Wood	1
22	Clock 18-4 Teeth	Wood	1
23	Clock 18-4 Teeth	Wood	1
24	Clock 18-4 Teeth	Wood	1
25	Clock 18-4 Teeth	Wood	1
26	Clock 18-4 Teeth	Wood	1
27	Clock 18-4 Teeth	Wood	1
28	Clock 18-4 Teeth	Wood	1
29	Clock 18-4 Teeth	Wood	1
30	Clock 18-4 Teeth	Wood	1
31	Clock 18-4 Teeth	Wood	1
32	Clock 18-4 Teeth	Wood	1
33	Clock 18-4 Teeth	Wood	1
34	Clock 18-4 Teeth	Wood	1
35	Clock 18-4 Teeth	Wood	1
36	Clock 18-4 Teeth	Wood	1
37	Clock 18-4 Teeth	Wood	1
38	Clock 18-4 Teeth	Wood	1
39	Clock 18-4 Teeth	Wood	1
40	Clock 18-4 Teeth	Wood	1
41	Clock 18-4 Teeth	Wood	1
42	Clock 18-4 Teeth	Wood	1
43	Clock 18-4 Teeth	Wood	1
44	Clock 18-4 Teeth	Wood	1
45	Clock 18-4 Teeth	Wood	1
46	Clock 18-4 Teeth	Wood	1
47	Clock 18-4 Teeth	Wood	1
48	Clock 18-4 Teeth	Wood	1
49	Clock 18-4 Teeth	Wood	1
50	Clock 18-4 Teeth	Wood	1
51	Clock 18-4 Teeth	Wood	1
52	Clock 18-4 Teeth	Wood	1
53	Clock 18-4 Teeth	Wood	1
54	Clock 18-4 Teeth	Wood	1
55	Clock 18-4 Teeth	Wood	1
56	Clock 18-4 Teeth	Wood	1

Use Timber for all item unless otherwise stated

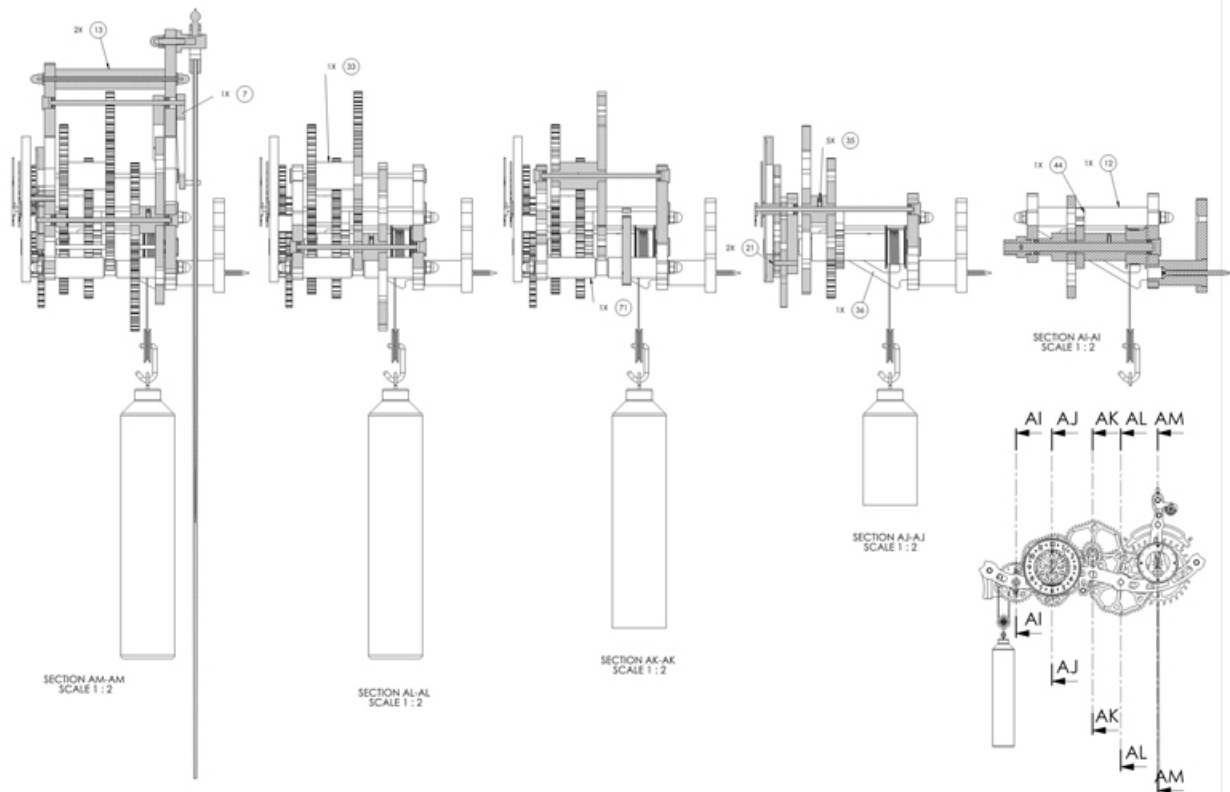
Site: 10/10/2018 A2

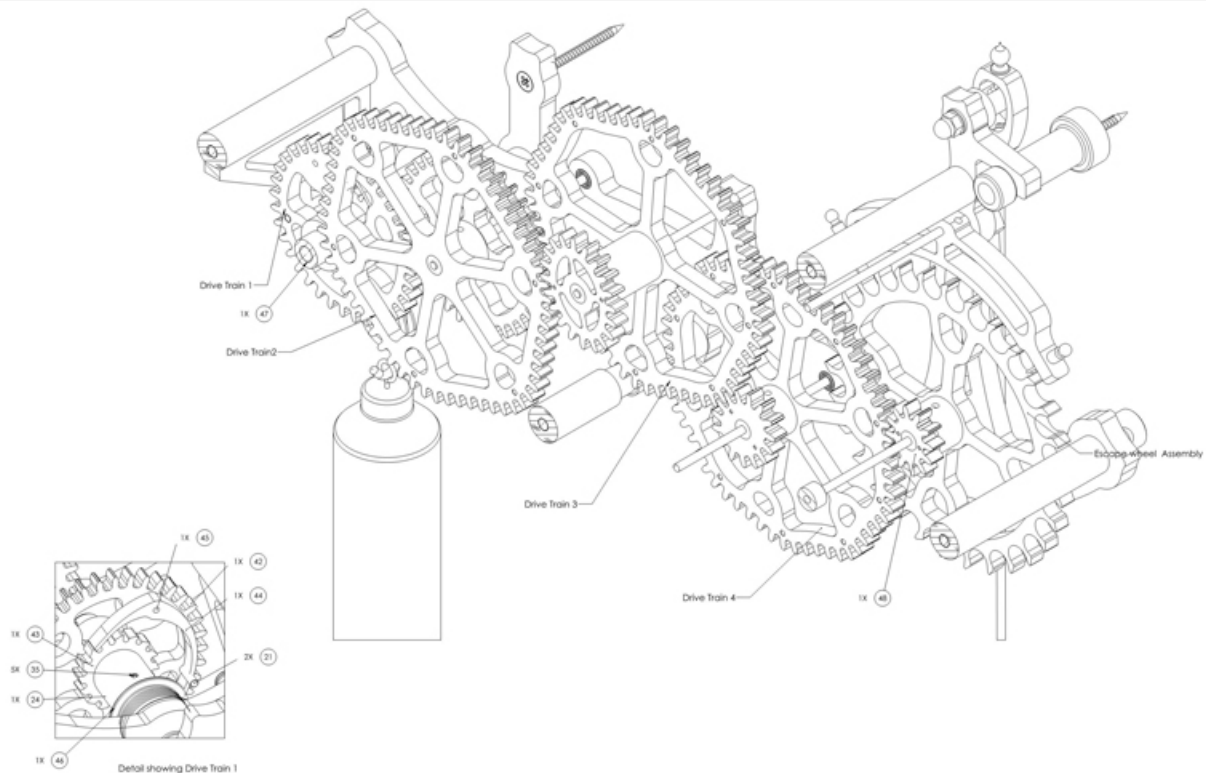
Law Wooden Clock 18 - Non Circular Gears

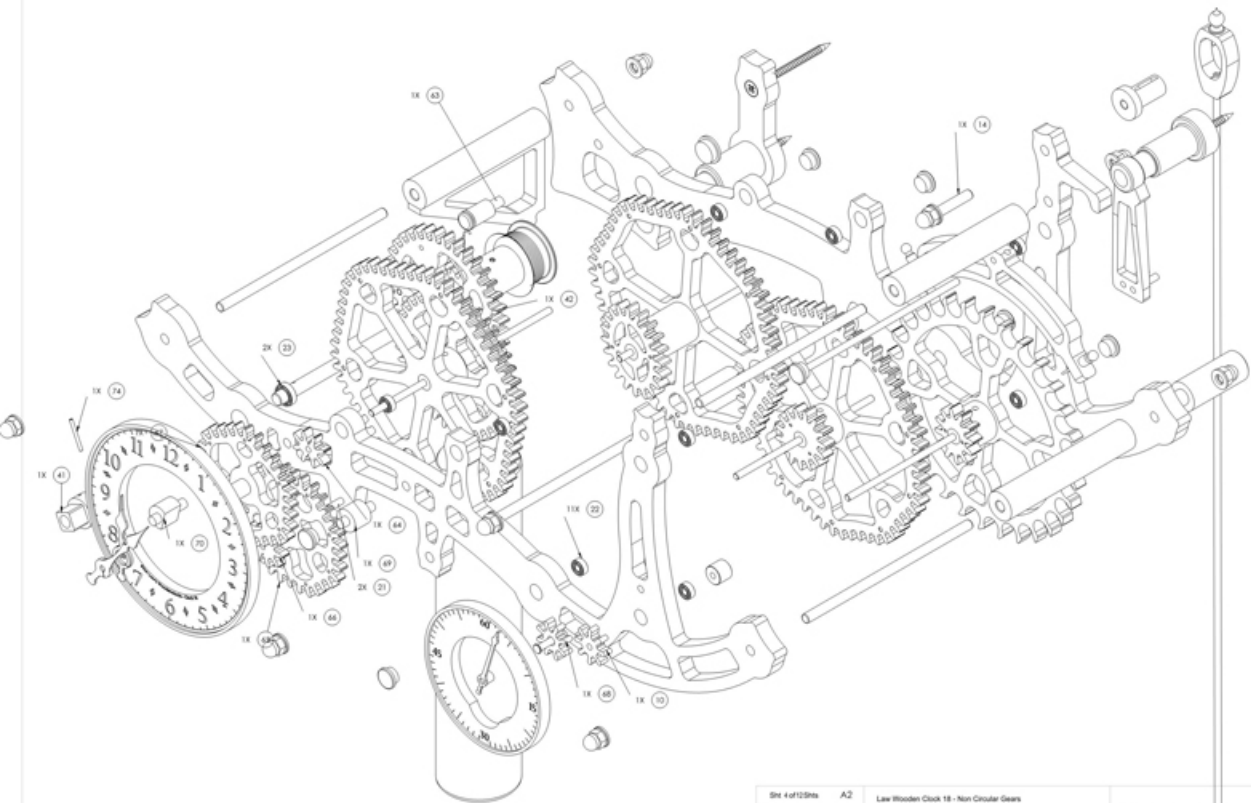
Not to Scale
Unless otherwise stated

All dimensions in mm and (inch)
3rd Angle projection

Designed by Brian law
www.woodenlocks.co.uk September 2013







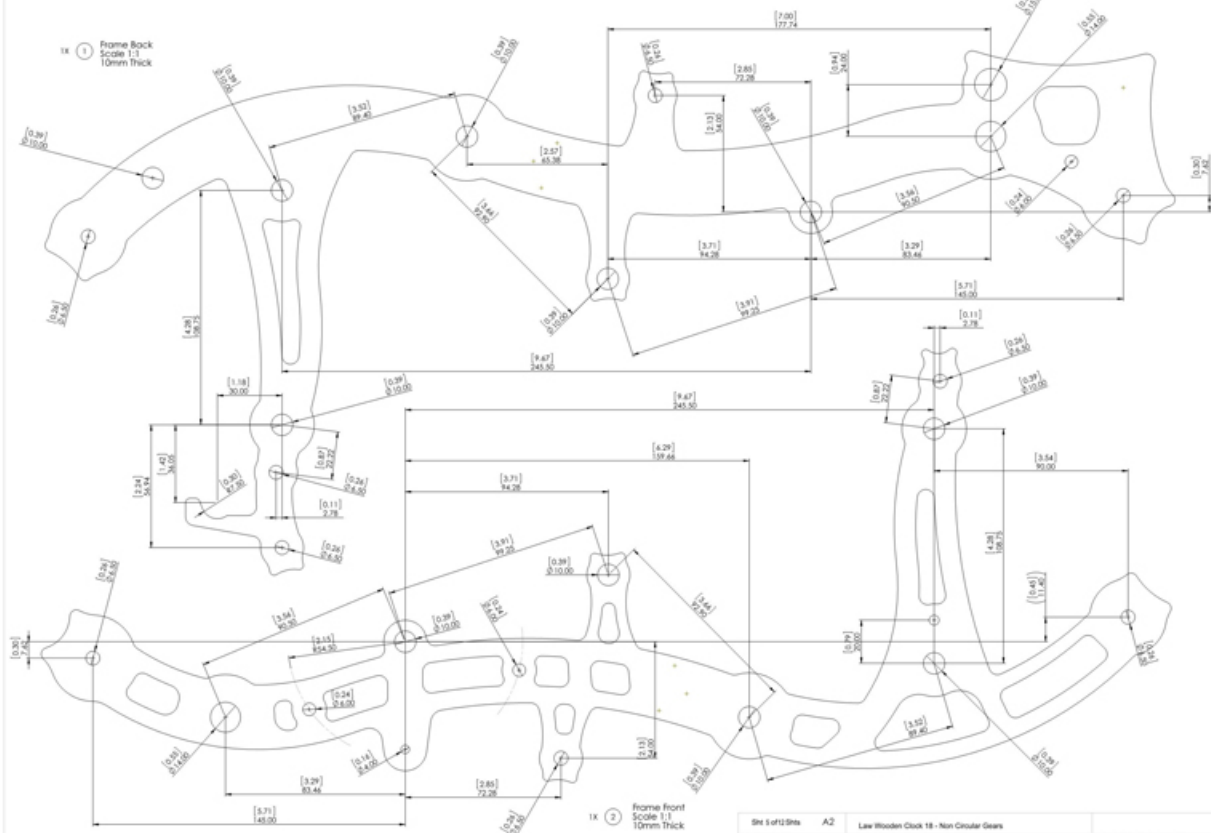
Sh: 4 of 129Hz A2

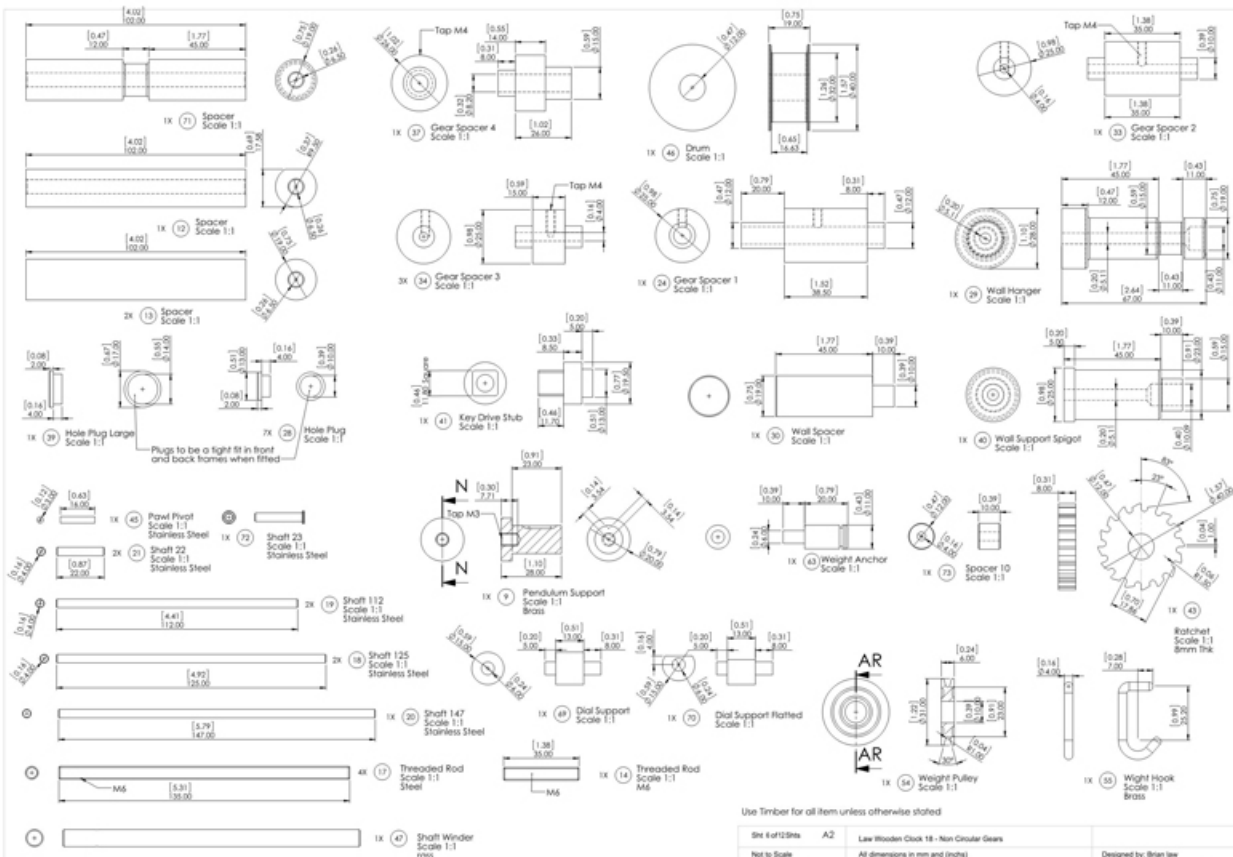
Law Wooden Clock 18 - Non Circular Gears

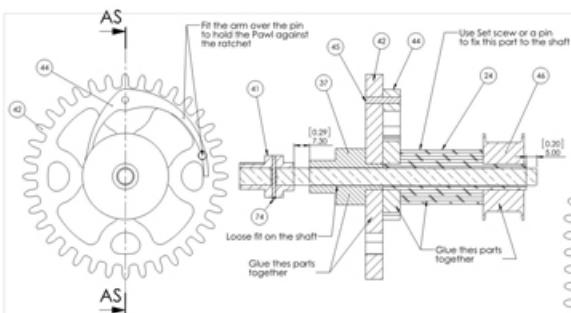
Not to Scale
Unless otherwise stated

All dimensions in mm and (inches)
3rd Angle projection

Designed by Brian Law
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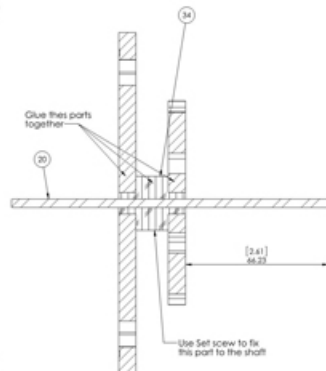




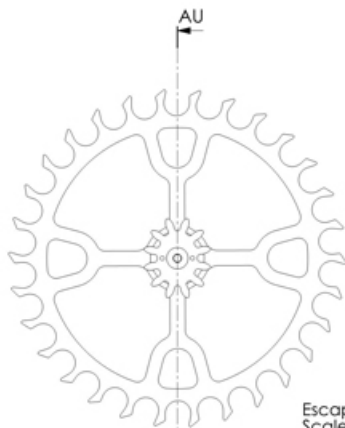
Drive Train 1
Scale 1:1



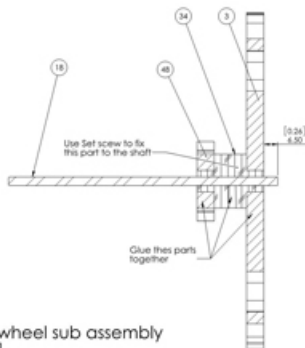
Drive Train 2
Scale 1:1



SECTION AT-AT



Escape wheel sub assembly
Scale 1:1



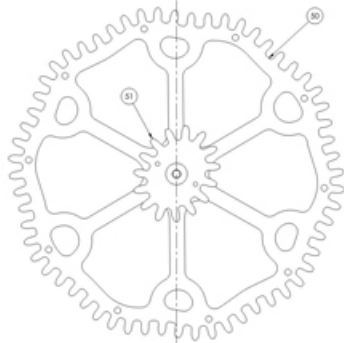
Sh: 7 of 129Hz A2

Law Wooden Clock 18 - Non Circular Gears

Not to Scale
Unless otherwise stated

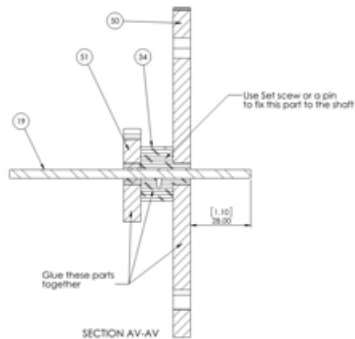
All dimensions in mm and (inches)
3rd Angle projection

Designed by Brian Law
www.woodenlocks.co.uk September 2012

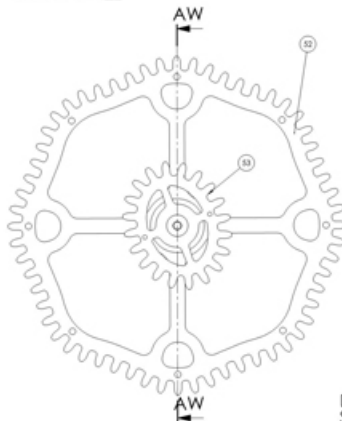


Drive Train 4
Scale 1:1

AV



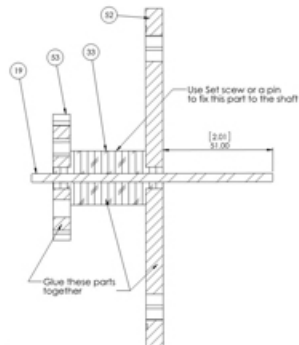
SECTION AV-AV



Drive Train 3
Scale 1:1

AW

AW



Sh: 8 of 129Hz

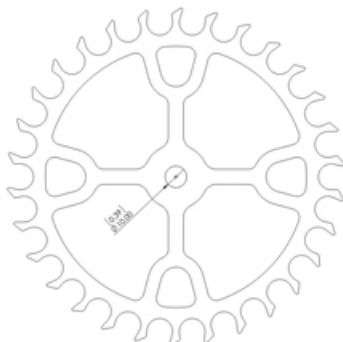
A2

Law Wooden Clock 18 - Non Circular Gears

Not to Scale
Unless otherwise stated

All dimensions in mm and (inches)
3rd Angle projection

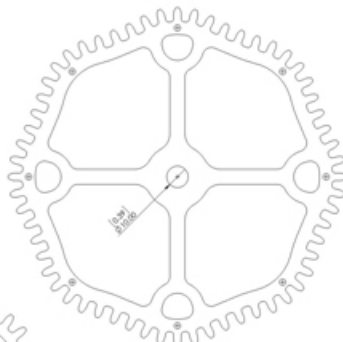
Designed by Brian Law
www.woodenchords.co.uk September 2013



IX 3 Escapement wheel
Scale 1:1
8mm Thick

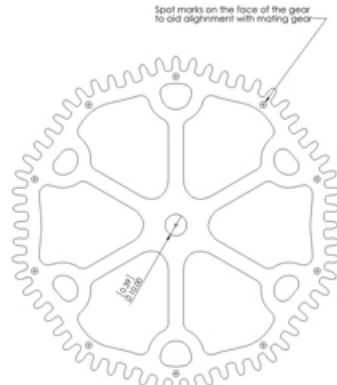


IX 4 Gear 40teeth 6 repeats
Scale 1:1
8mm Thick



IX 32 Gear 40teeth 8 repeats
Scale 1:1
8mm Thick

Spot marks on the face of the gear
to aid alignment with mating gear



IX 50 Gear 60teeth 10 repeats
Scale 1:1
8mm Thick



IX 45 Gear 32teeth 8 repeats
Scale 1:1
8mm Thick



IX 47 Gear 30teeth 6 repeats
Scale 1:1
8mm Thick



IX 51 Gear 20teeth
Scale 1:1
8mm Thick



IX 51 Gear 15teeth
Scale 1:1
8mm Thick



IX 48 Gear 12teeth
Scale 1:1
8mm Thick



IX 46 Gear 10teeth
Scale 1:1
8mm Thick



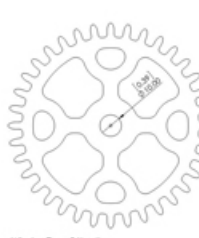
IX 44 Gear 8teeth
Scale 1:1
8mm Thick



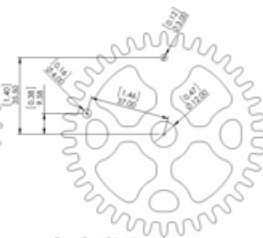
IX 46 Gear 8teeth
Scale 1:1
8mm Thick



IX 10 Gear 8teeth
Scale 1:1
8mm Thick



IX 38 Winder Gear 36teeth
Scale 1:1
8mm Thick



IX 42 Drum Gear 36teeth
Scale 1:1
8mm Thick

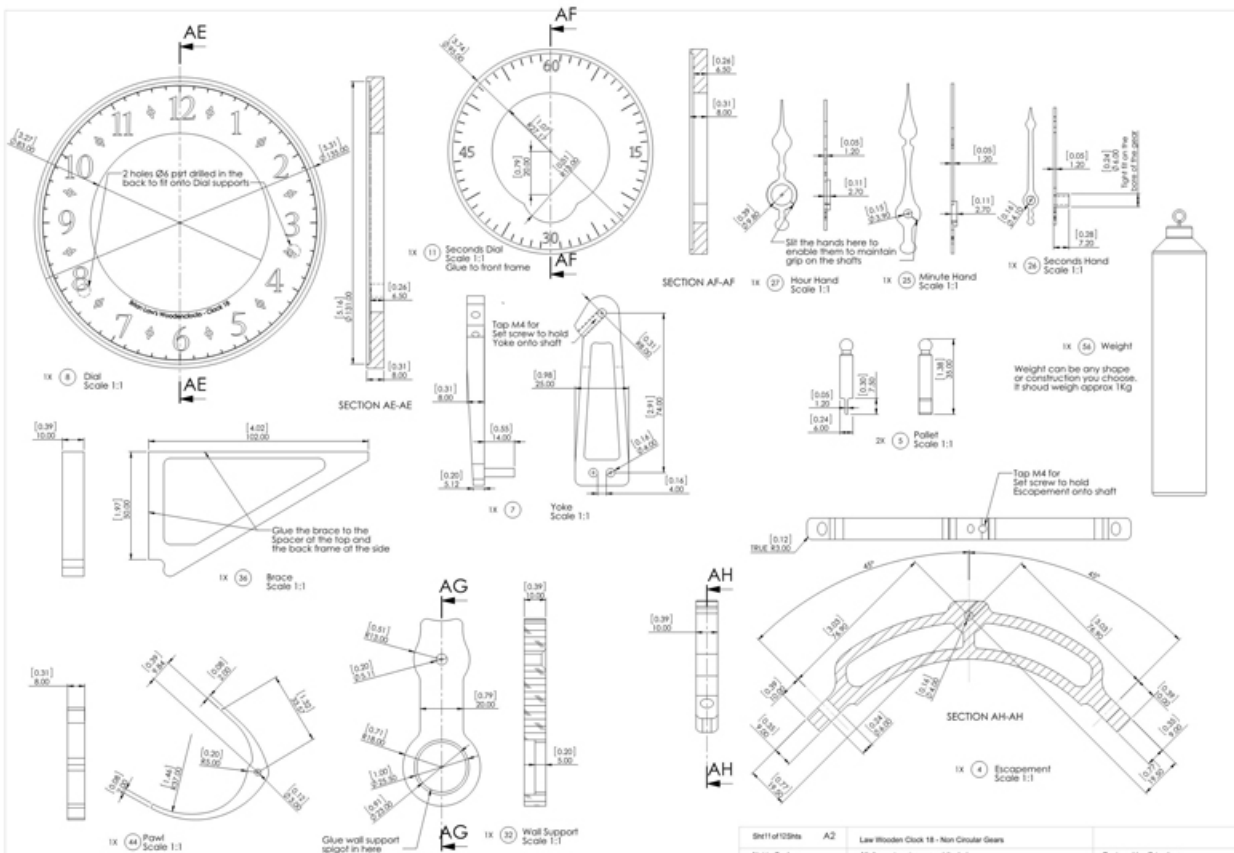
Sh 9x12Hts A2

Law Wooden Clock 18 - Non Circular Gears

Not to Scale
Unless otherwise stated

All dimensions in mm and (inches)
3rd Angle projection

Designed by Brian Ikin
www.woodenlocks.co.uk September 2013



Shell of 10Hz

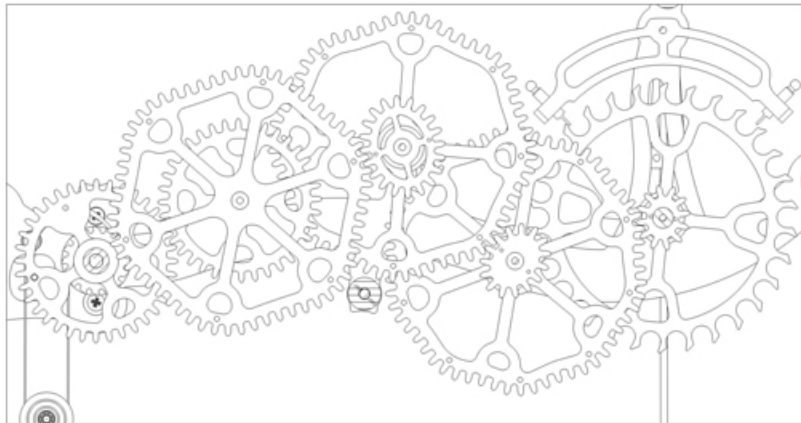
A2

Law Wooden Clock 18 - Non Circular Gears

Not to Scale
Unless otherwise stated

All dimensions in mm and (inches)
3rd Angle projection

Designed by Brian Law
www.woodenclocks.co.uk September 2012



It is important when setting up the clock that the gears are aligned correctly.
To help with this each of the gears should have been marked with a small circular
recess that should be set so that they are lined up on mating gears, see the section above.
This is most important as if even one tooth is mis-aligned then the clock will stop.

In this mid position of the stroke
the ends of the pallets should be
approx evenly horizontal one to the
other. With the pallets protruding
11 mm from the escapement.
this is the starting point for setting
the clock to run

