

Beech Jack

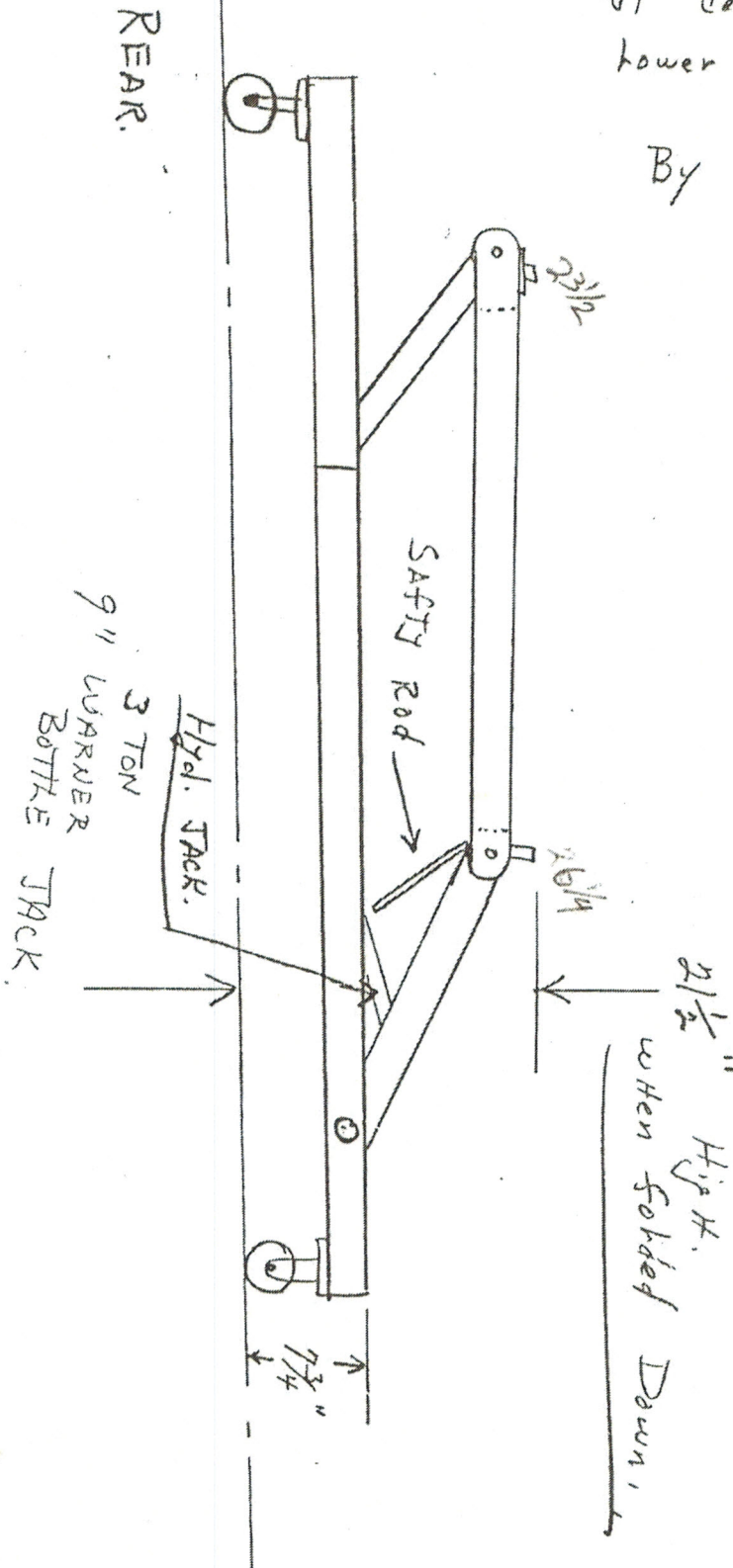
Materials List:

drawing	reference	quantity	size	name
<input type="checkbox"/>	A	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	46" x 2" x 2" 1/4" square tube (forward base legs)
<input type="checkbox"/>	B	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	45 1/2" x 2" x 2" 1/4" square tube (base cross beams)
<input type="checkbox"/>	C	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	39 1/2" x 2" x 2" 1/4" square tube (rear base beams)
<input type="checkbox"/>	D	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	3" (minimum) x 2 x 1/8" angle (leveler arm bracket)
<input type="checkbox"/>	E	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	44 3/4" x 2" x 2" x 1/4" square tube (lifting arm cross beam)
<input type="checkbox"/>	F	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	44 3/4" x 1" x 1/8" square or round tube (top lifting arm beam)
<input type="checkbox"/>	G	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	27" x 3" x 3/8" flat plate (lifting arm side plate)
<input type="checkbox"/>	H	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	47" x 3" x 3/8" flat plate (yoke) (47" specified, I used 48")
<input type="checkbox"/>	I	<input type="checkbox"/>	1 <input type="checkbox"/>	25" x 3" x 3/8" flat plate (rear leveler arm) (25" specified, I used 26 1/2")
<input type="checkbox"/>	J	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	3" x 1" shafting or rod (Jack Points)
<input type="checkbox"/>	K	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	22" x 3/4" rod (Safety rod)
<input type="checkbox"/>	L	<input type="checkbox"/>	4 <input type="checkbox"/> <input type="checkbox"/>	1 3/4" x 1 3/4" x 3 1/4" 1/4" angle (hydraulic jack base)
<input type="checkbox"/>	L-1	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	1 3/4" x 1 3/4" x 3 1/4" 1/4" angle
<input type="checkbox"/>	L-2	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	1 3/4" x 1 3/4" x 2" angle
<input type="checkbox"/>	M	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	4" x 4" x 1/4" angle (rear fuselage fitting)
<input type="checkbox"/>	N	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	3" x 3/8" or 1/4" plate (rear fuselage fitting side reinforcement)
<input type="checkbox"/>	O	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	4" x 2" x 1/4" (lifting arm jack point)
<input type="checkbox"/>	P	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	4" X 1" x 1/8" strap (lifting arm jack point)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	straight wheels (of appropriate weight bearing strength)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	caster wheel (of appropriate weight bearing strength)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	hydraulic 3 ton capacity jack 9" high
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(all bolts grade 8)	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	" x 1" grip bolts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	3/4" x 1" grip bolt
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 <input type="checkbox"/> <input type="checkbox"/>	3/4" x 1" grip bolt
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	3/4" x 2 5/8" bolts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/>	" x 3/4" bolts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4 <input type="checkbox"/> <input type="checkbox"/>	" nuts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4 <input type="checkbox"/> <input type="checkbox"/>	3/4" nuts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	" washers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	3/4" washers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4 <input type="checkbox"/> <input type="checkbox"/>	3/16" x 1" bolts and nuts
<input type="checkbox"/>	Primer and Paint to suit.			

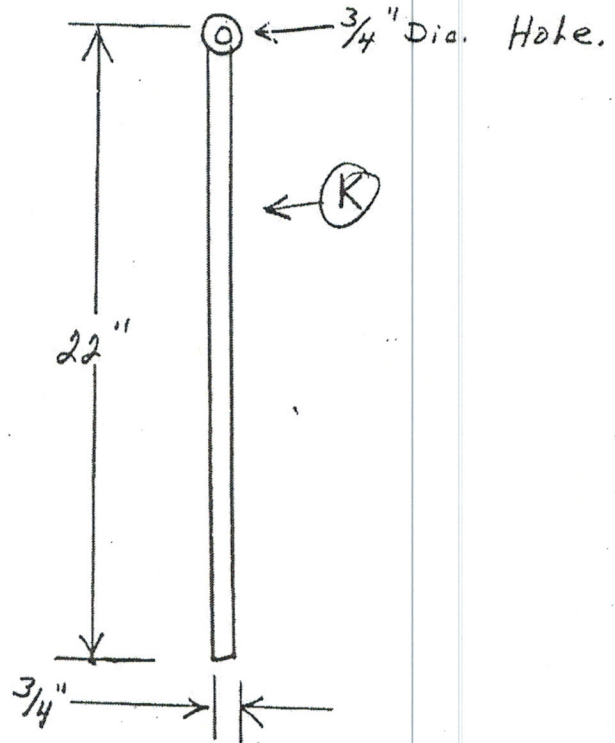
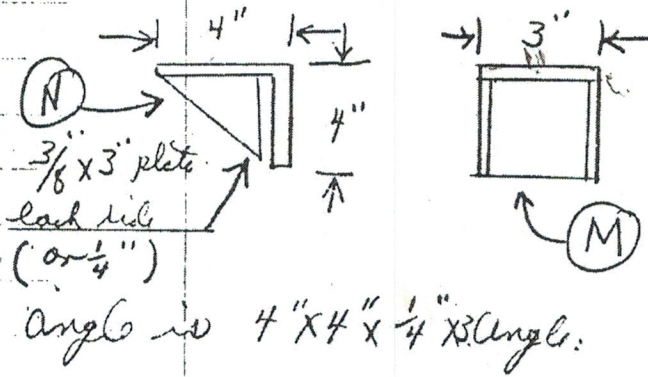
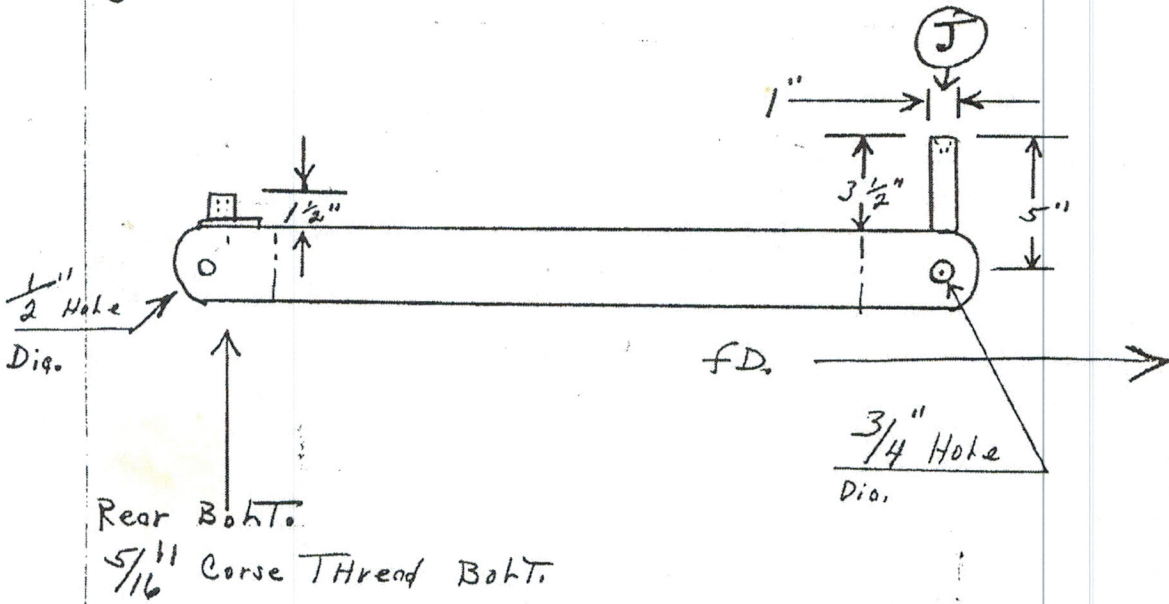
Profile of Complete Jack.

Note. all Holes Bored
at center of item except
lower lever arm attachment.

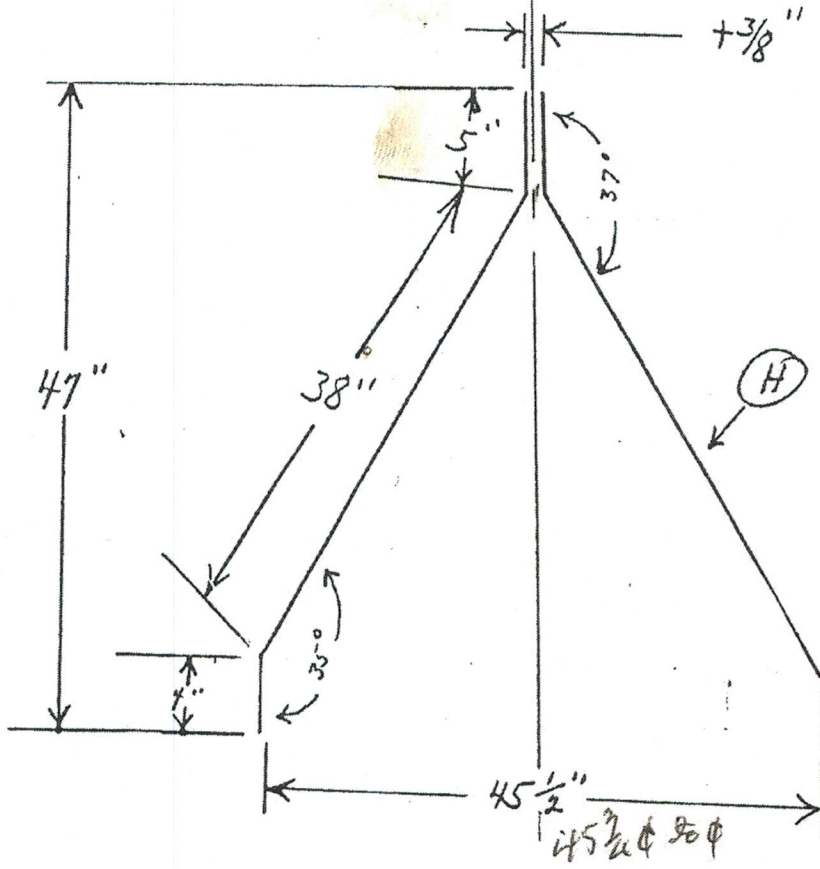
By LARRY DAVIS
1945



yoke + lifting points.

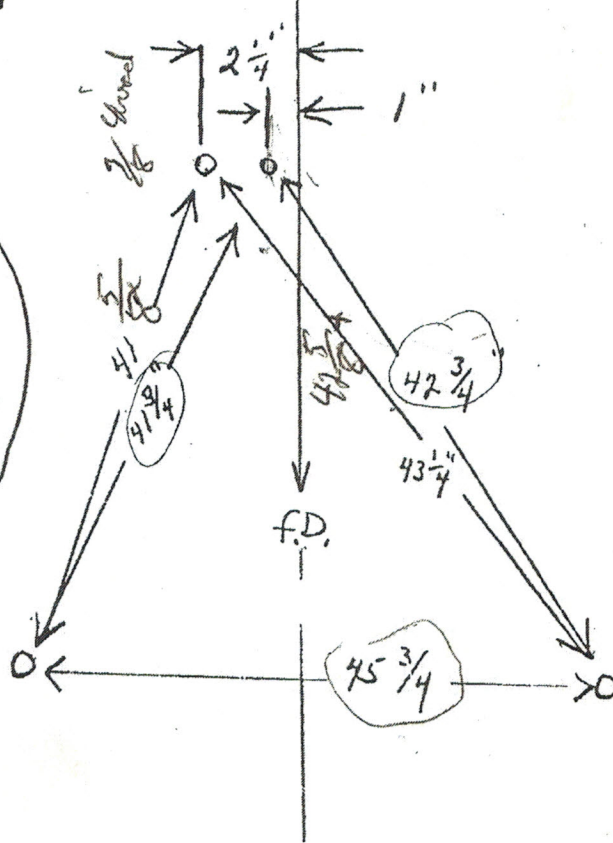


yoke.

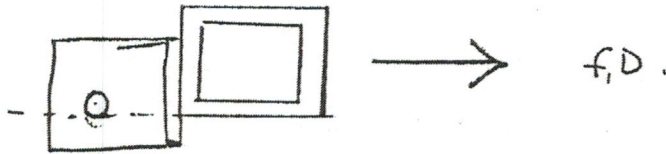
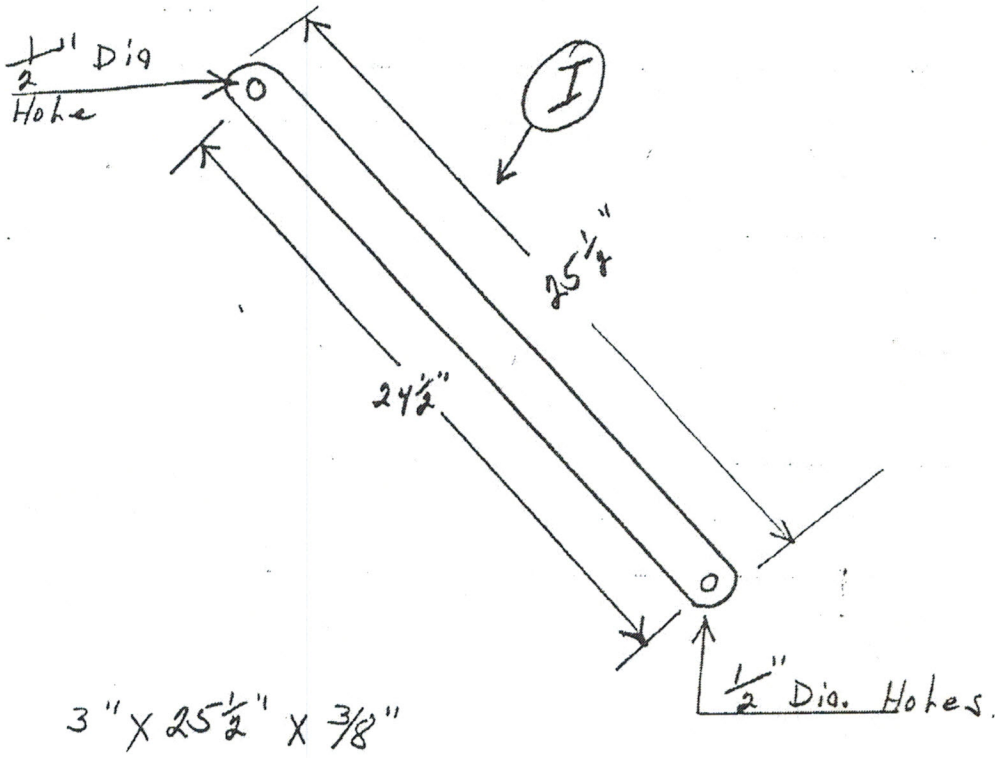


3" x 47" x 3/8"

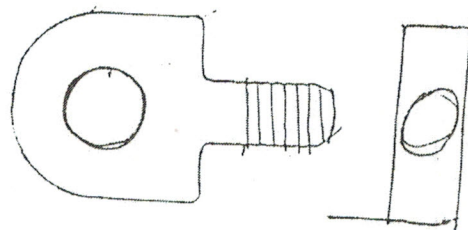
Rear threaded hole in fuselage is not on centerline of air plane



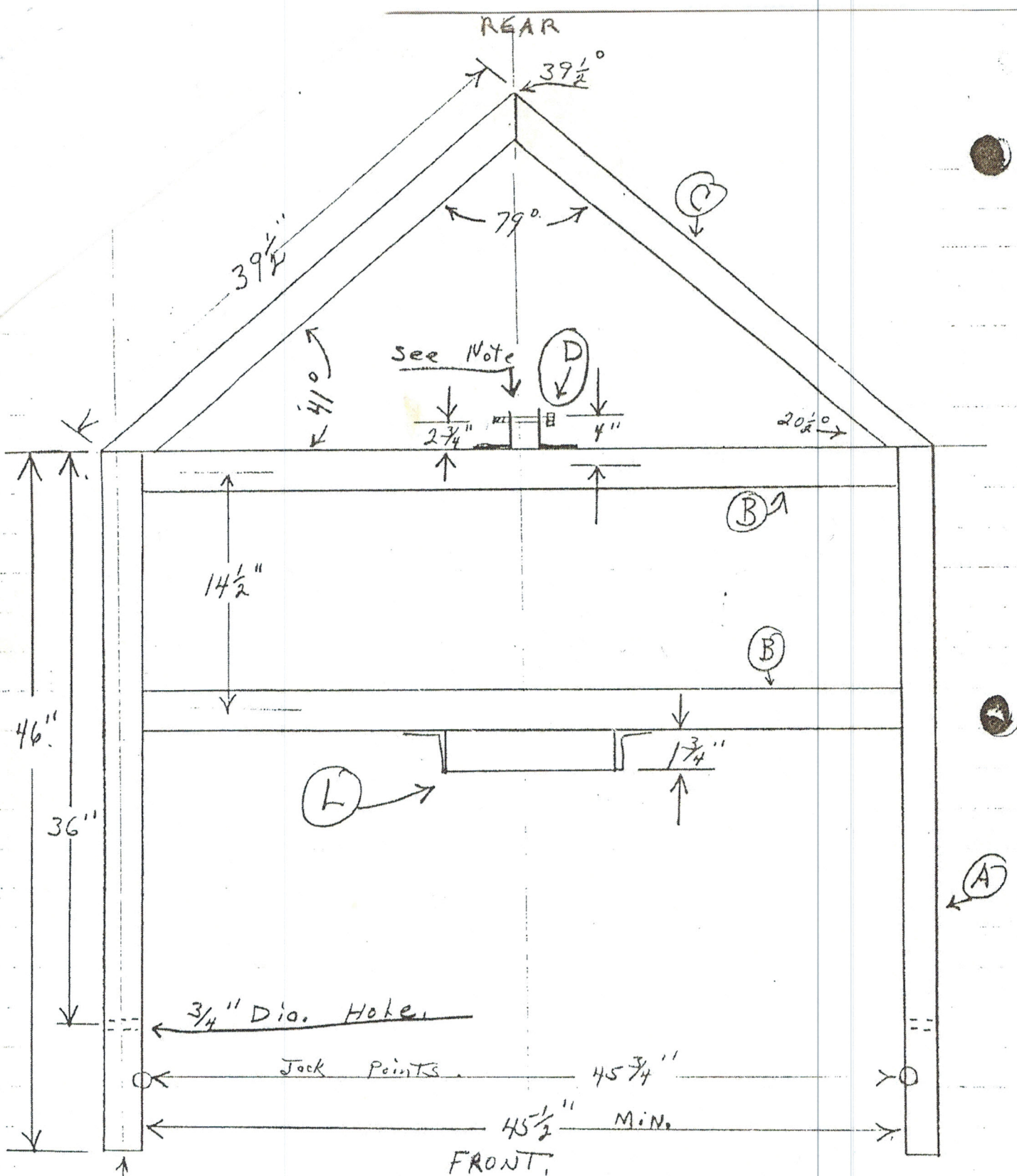
Rear Leveler Arm.



Rear Attachment for Jack.



Actual Size.



See Note

REAR

$39\frac{1}{2}^\circ$

79°

$39\frac{1}{4}$

41°

$20\frac{1}{2}^\circ$

$2\frac{3}{4}$

4"

$14\frac{1}{2}$

46"

36"

$\frac{3}{4}$ " Dia. Hole.

Jack Points

$45\frac{3}{4}$ "

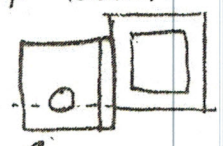
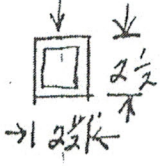
$45\frac{1}{2}$ " MIN.

FRONT

Note - Hole at Bottom of Beam. APPROX.

$\frac{1}{2}$ " Dia. Hole

$2\frac{1}{2}$ " X $2\frac{1}{2}$ " X $\frac{1}{4}$ " Square Tube.



(D)

(A)

(B)

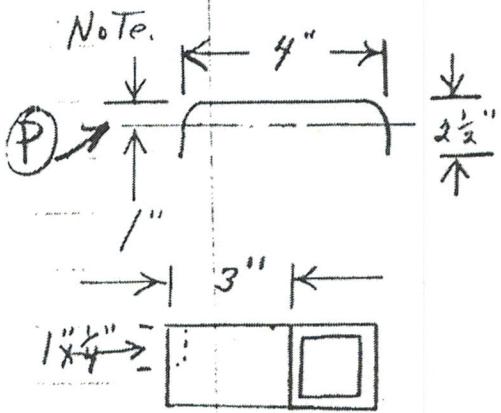
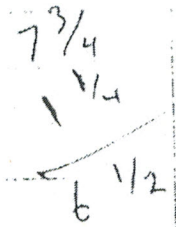
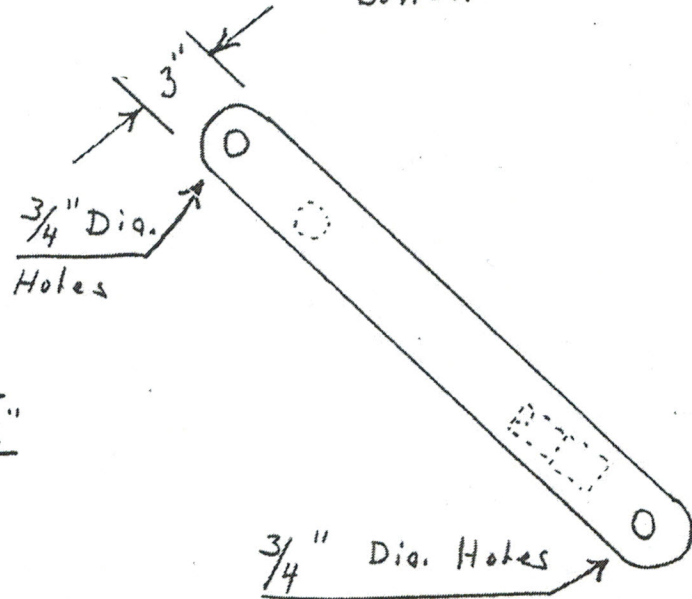
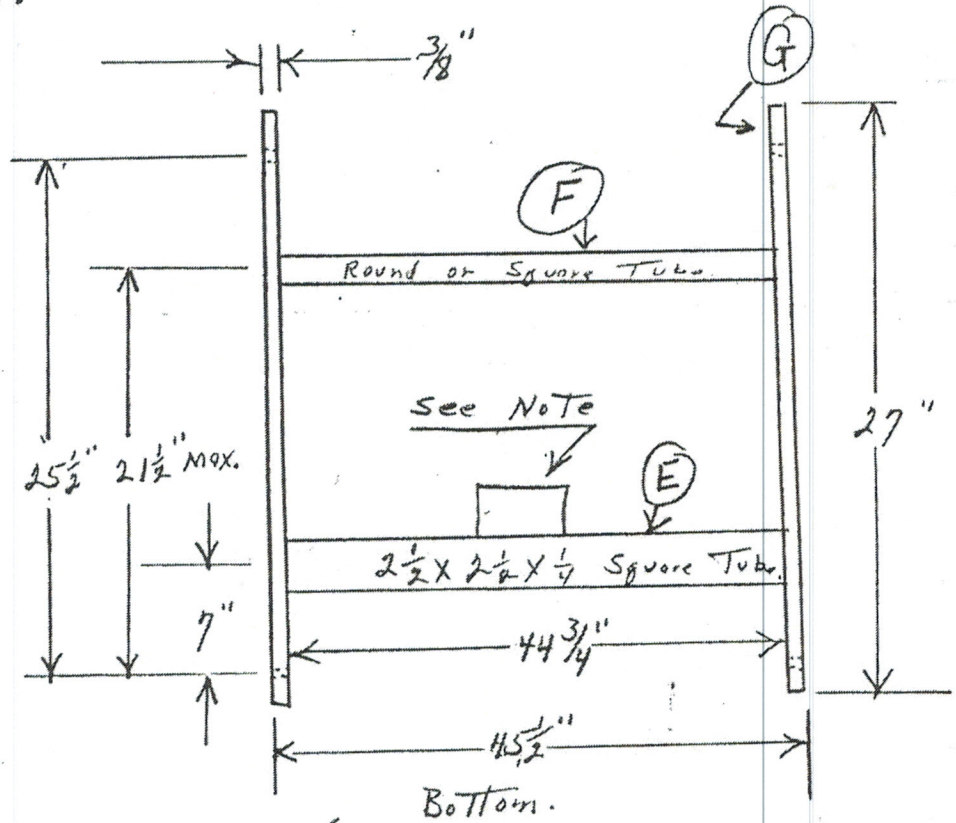
(B)

(L)

(D)

(C)

Lifting Arm.



BEECH JACK

- Plans
- Materials List

For additional copies, contact:

N.W.C.S.

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