

THE ALASKAN MK III SAW MILL ATTACHMENT

A high quality woodworking tool for the woodworker, builder, and outdoor enthusiast.



- EASILY MOUNTS ON YOUR SAW BAR
- SIZES FROM 24" TO 56"
- RIPPING CHAIN REQUIRED
- OPTIONS AVAILABLE

ORDER AS:
G776-24,30,36,48,56



Use Granberg's Slabbing Rail Brackets to set up your first cut

Adjust mill for first cut to maximize lumber production or beam size.

Make first cut and remove slabbing rail and first slab.

Log can now be cut in a "live sawn" manner or set up for cutting beams or siding.

Stack cut lumber for drying or set up and re-saw for dimensional lumber.

Mill Accessories



- G 729-0 (.375 pitch x .050 gage)
- G 729-8 (.375 x .058)
- G 729-3 (.375 x .063)
- G 730-8 (.404 x .058)
- G 730-3 (.404 x .063)

Ripping Chain

G 850



Slabbing Rail Brackets

G 971



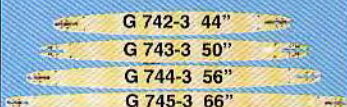
Helper Handles

G 975
with roller

G 801A



Oiler Kit



Double End Saw Bars



Order as :

- G776-30C2
- G776-36C2
- G776-48C2
- G776-56C2

Alaskan MK III C2 Double End Mill

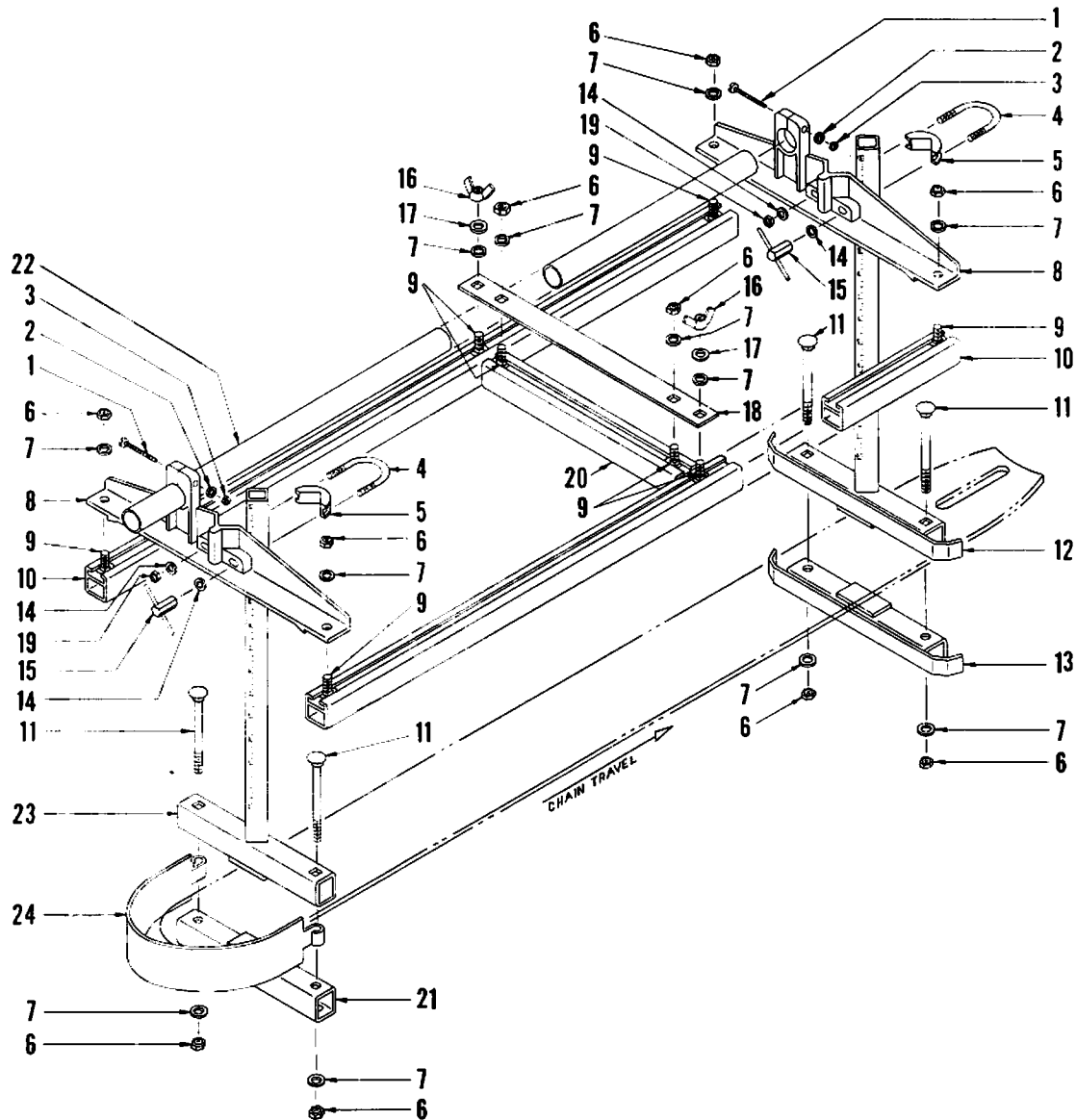
The C2 mill comes complete with everything you need to start cutting except the powerhead. Included are a ripping chain, double end saw bar, oiler kit, slabbing rail set, helper handle and saw chain grinder/sharpener. Available in sizes from 30" to 56".



GRANBERG INTERNATIONAL

200 SOUTH GARRARD BLVD.
RICHMOND, CALIFORNIA 94801

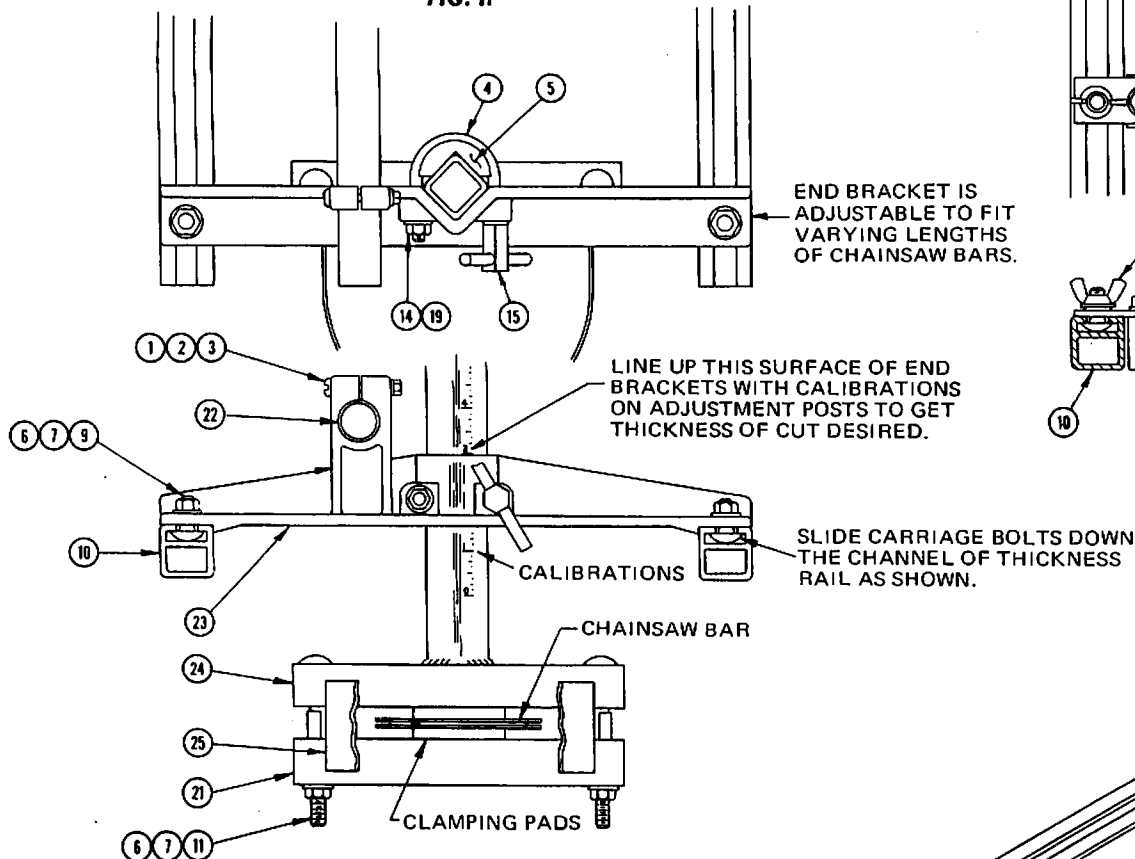
Alaskan[®] MK III G-776



ITEM NO.	PART NO.	QTY	DESCRIPTION
1	809	2	Pan Hd. Screw 10-32
2	323	2	Lock Washer #10
3	935	2	Hex Hd. Lock Nut 10-32
4	1794	2	U-Clamp, 5/16-18
5	804	2	Post Clamp
6	684	10	Hex Nut - 5/16-18
7	871F	12	Flat Washer
8	782	2	End Bracket
9	805	8	Carriage Bolt 5/16-18x3/4 lg.
10	781-2	2	Thickness Rail - G-776-24
	781-3	2	Thickness Rail - G-776-30
	781-4	2	Thickness Rail - G-776-36
	781-5	2	Thickness Rail - G-776-48
	781-6	2	Thickness Rail - G-776-56
11	808	4	Carriage Bolt 5/16-18x3-1/2 lg.
12	791	1	Adjustment Post (thrust end)

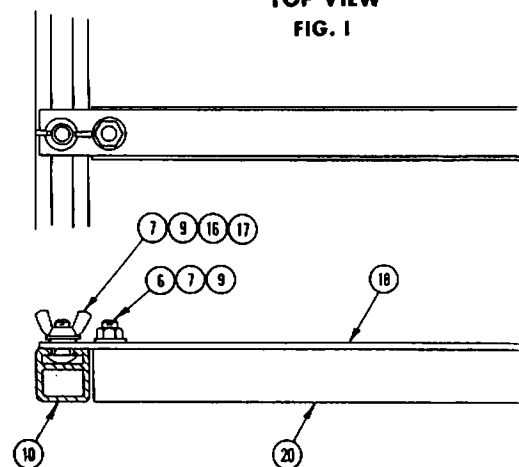
ITEM NO.	PART NO.	QTY	DESCRIPTION
13	790	1	Clamping Bracket (thrust end)
14	871	4	Flat Washer 5/16
15	1798	2	T-Handle Ass'y, 5/16-18
16	806	2	High Crown Wing Nut 5/16-18
17	871	2	Flat Washer - 5/16
18	784	1	Tie Bar
19	684	2	Hex Nut - 5/16-18
20	799	1	On-Off Guide Bar
21	788	1	Clamping Bracket (nose-end)
22	793-1	1	Handle - G-776-24
	793-2	1	Handle - G-776-30
	793-3	1	Handle - G-776-36
	793-4	1	Handle - G-776-48
	793-5	1	Handle - G-776-56
23	792	1	Adjustment Post (nose-end)
24	795	1	Nose Guard

**TOP VIEW
FIG. II**



**SIDE VIEW
FIG. II
NOSE END**

**TOP VIEW
FIG. I**



**SIDE VIEW
FIG. I**

HOW TO ASSEMBLE MK III

STEP 1 (See Figure I)

Attach tie bar (Item 18) to on-off guide bar (Item 20) using two 5/16 - 18 x 3/4 LG carriage bolts (Item 9) two 5/16 flat washer (Item 7) and two 5/16 - 18 hex nuts (Item 6). Then attach unit to thickness rails (Item 10) using two 5/16 - 18 carriage bolts (Item 9) two 5/16 flat washers (Item 7) two 5/16 flat washers (Item 17) and two 5/16 - 18 wing nuts (Item 16).

STEP 2 (See Figure II)

Attach end bracket (Item 23) to thickness rails (Item 10) using two 5/16 - 18 x 3/4 LG carriage bolts (Item 9) two 5/16 flat washers (Item 7) and two 5/16 - 18 hex nuts (Item 6). Tighten hex nuts finger tight only.

STEP 3 (See Figure III)

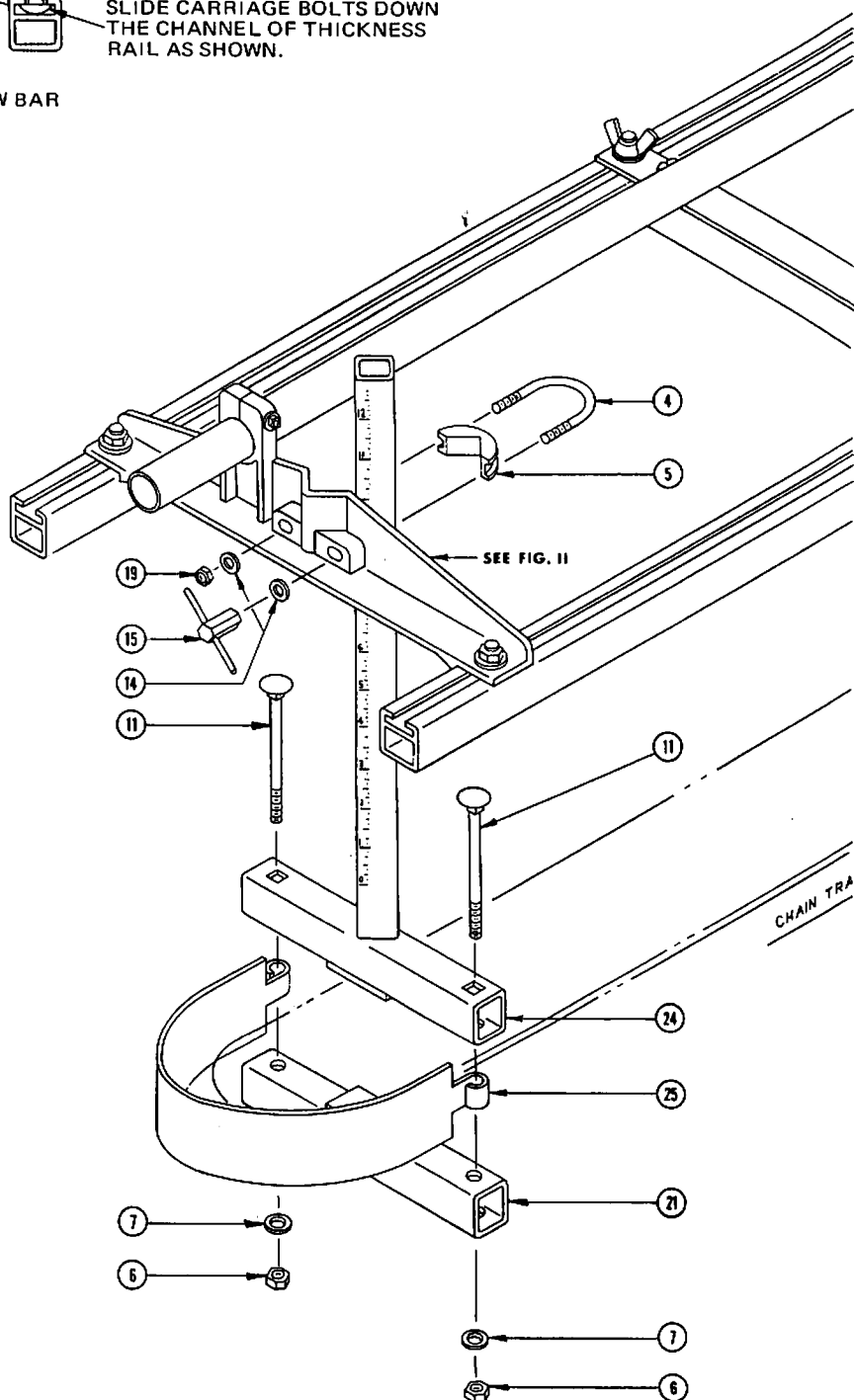
Attach end bracket (Item 8) to thickness rails (Item 10) using two 5/16 - 18 x 3/4 LG carriage bolts (Item 9) two 5/16 flat washers (Item 7) and two 5/16 - 18 hex nuts (Item 6). Now tighten hex nuts. Be sure that end brackets are flush with thickness rails (See Figure III top view).

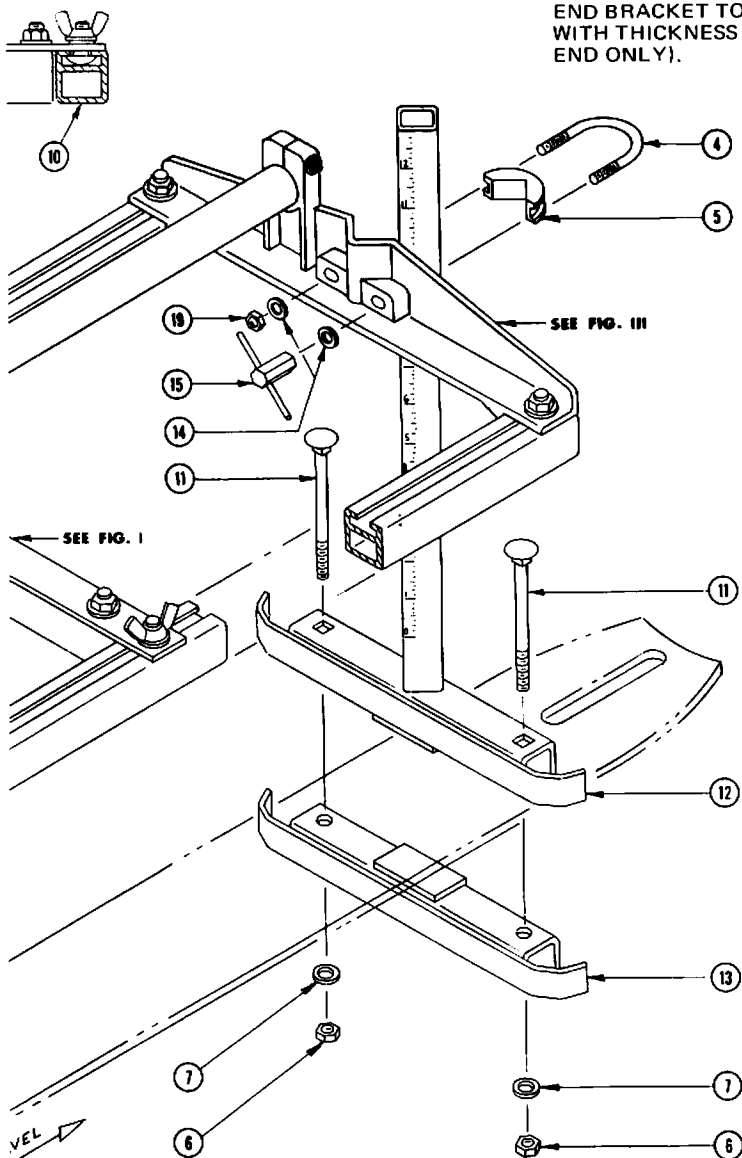
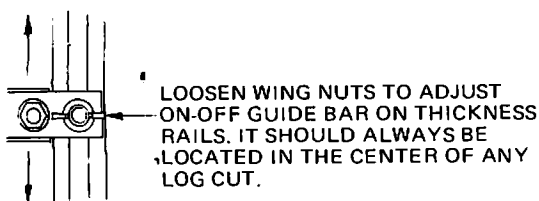
STEP 4 (See Figure II & III)

Slide handle through large holes in end brackets. Secure handle at thrust end (Figure III) flush with end bracket using No. 10-32 x 1-1/2 LG pad hd. screw (Item 1) No. 10 lock washer (Item 2) and No. 10-32 hex nut (Item 3). The same applies to nose end (Figure II) but do not tighten lock nut.

STEP 5 (See Figure II Side View)

Insert two 5/16 - 18 x 3-1/2 LG carriage bolts (Item 11) through holes in adjustment post (Item 24). Carriage bolts should nest in square holes of adjustment post. Slide bolts through the nose guard (Item 25) and then through clamping bracket (Item 21). Secure assembly with two 5/16 flat washers (Item 7) and two 5/16 - 18 hex nuts (Item 6). Leave hex nuts loose so that you have approximately 3/8" to 1/2" gap in clamping pads for mounting chainsaw bar.

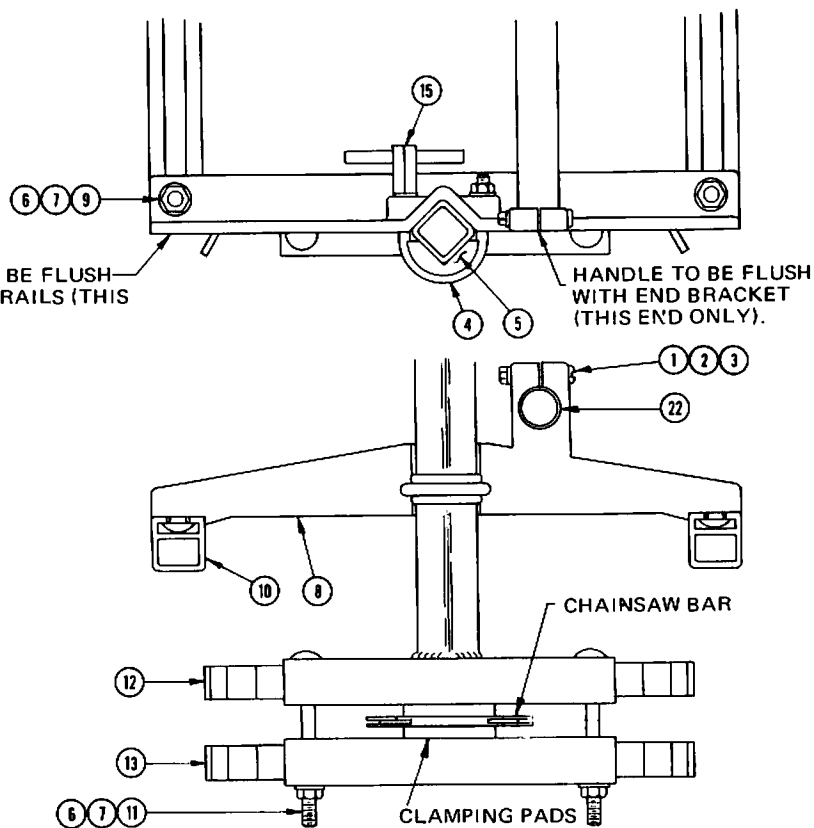




DEAR CUSTOMER

WE HAVE REPLACED THE 685F LOCK WASHER WITH THE 871F FLAT WASHER IN ALL APPLICATIONS. WE HAVE DISCOVERED THAT THE LOCK WASHERS ALLOW THE ADJUSTMENT BRACKETS TO SLIP IF THEY ARE NOT TIGHTENED FULLY.

**TOP VIEW
FIG. III**



**SIDE VIEW
FIG. III
THRUST END**

STEP 6 (See Figure III Side View)

Insert two 5/16 - 18 x 3-1/2 LG carriage bolts (Item 11) through adjustment post (Item 12). Carriage bolts should nest in square holes of adjustment post. Slide bolts through clamping bracket (Item 13) secure assembly with two 5/16 flat washers (Item 7) and two 5/16 - 18 hex nuts (Item 6). Leave hex nuts loose so that you have approximately 3/8" to 1/2" gap in clamping pads for mounting to chainsaw bar.

STEP 7 (See Figure II)

Attach nose end post assembly to end bracket using U-clamp (Item 4) post clamp (Item 5) two 5/16 flat washers (Item 14) 5/16 - 18 hex nut (Item 19) and T-handle (Item 15). Tighten T-handle after setting calibration at 3" (See Figure II Side View).

STEP 8 (See Figure III)

Attach thrust end post assembly to end bracket using U-clamp (Item 4) post clamp (Item 5) two 1/4 lock washers (Item 14) 1/4-20 hex nut (Item 19) and T-handle (Item 15). Tighten T-handle after setting calibration at 3" (See Figure II Side View).

STEP 9

Slide nose of chainsaw bar between clamping pads of thrust end and between clamping pads of nose end (See Figure IV & V). Slide thrust end within 1" of power head of chainsaw, center clamping pads on the Bar (See Figure VI). On nose end of the mill slide end bracket (23) along rails (10) so that clamping pads on nose end of bar do not interfere with chain, center clamping pads on the bar (See Figure VI), tighten hex nuts (6) on end bracket (23), also tighten lock nut (3) on end bracket (23); now tighten hex nuts (6) on clamping brackets (13 & 21). BE SURE THAT CLAMPING PADS ARE CENTERED ON BAR (See Figure VI).

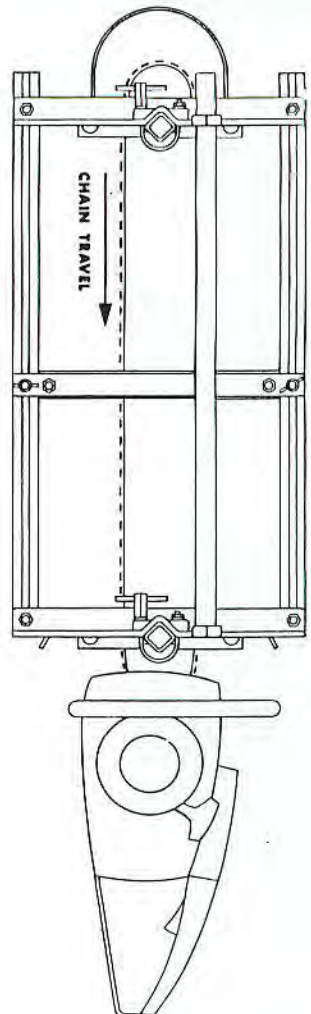


FIG. IV

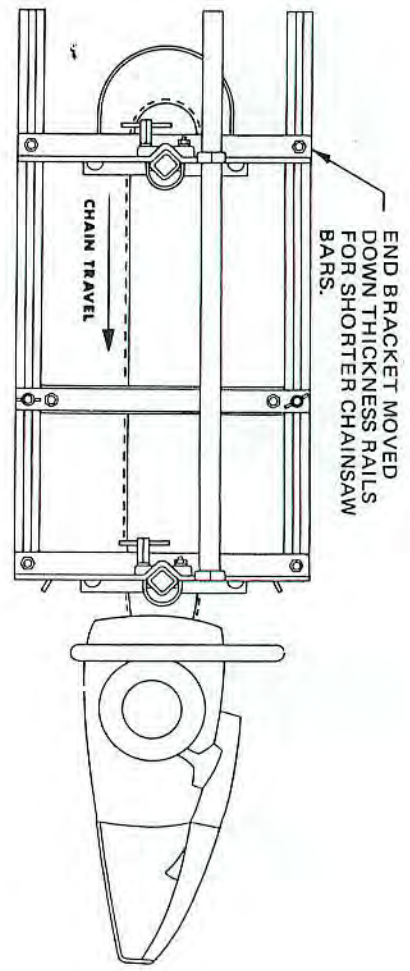
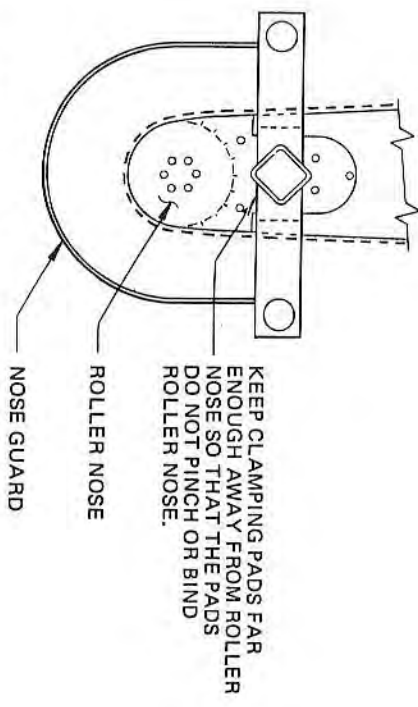
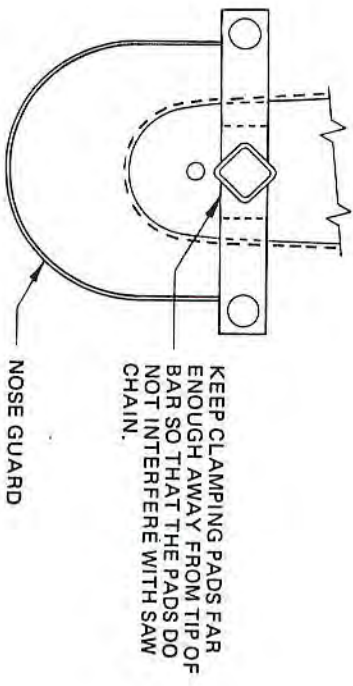


FIG. V



ROLLER NOSE BAR



SOLID NOSE BAR

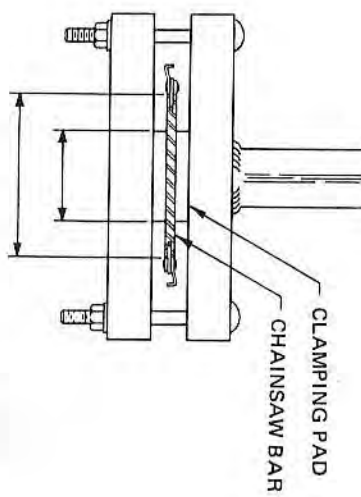
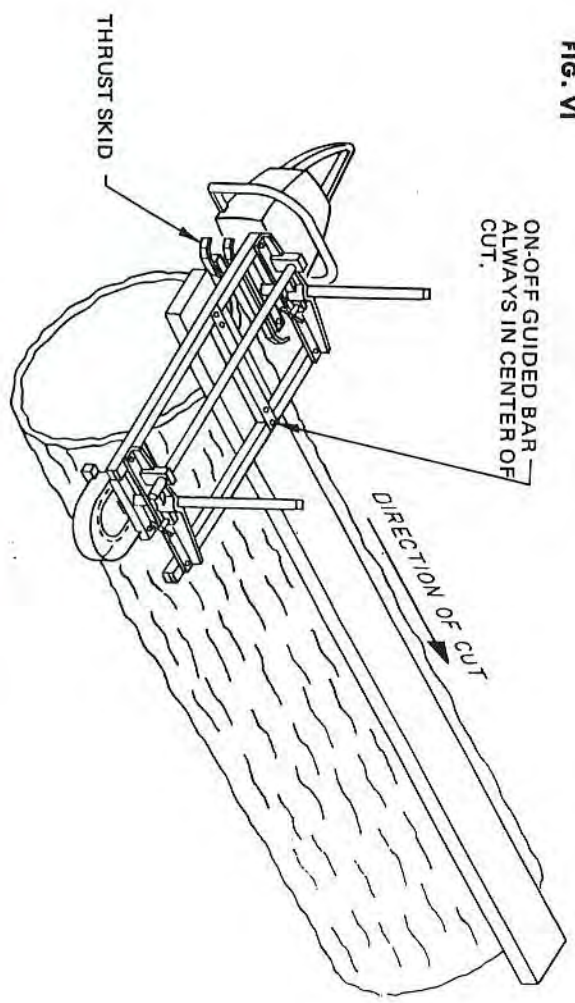
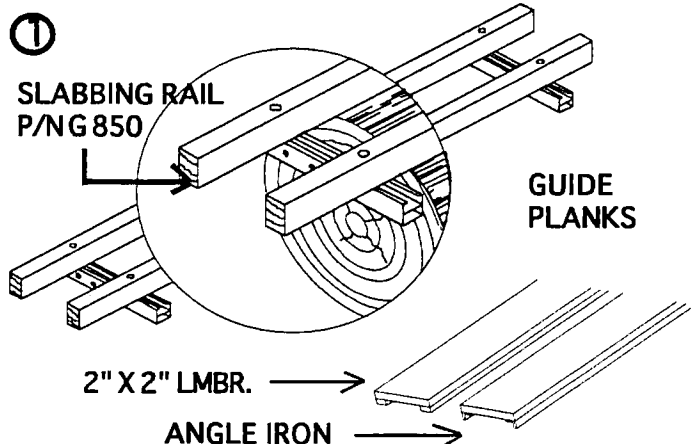


FIG. VI



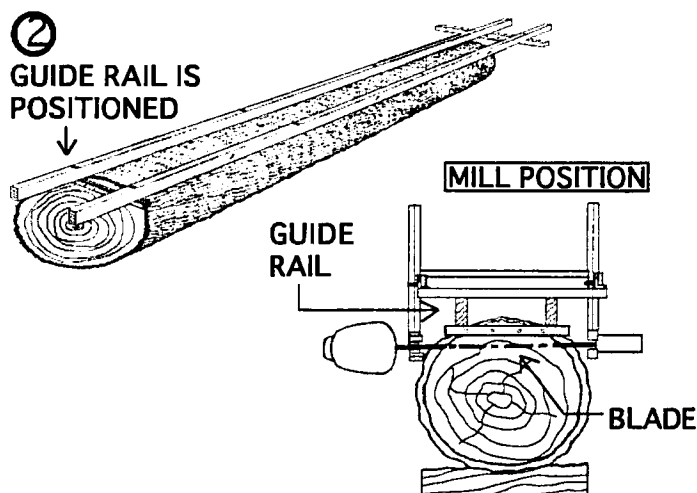
HOW TO MAKE LUMBER WITH THE ALASKAN CHAINSAW MILL MK III

GRANBERG INTERNATIONAL 200 South Garrard Blvd. - P.O. Box 425 - Richmond, Ca. 94807-0425 - Phone: (510)237-2099 - FAX: (510)237-1667



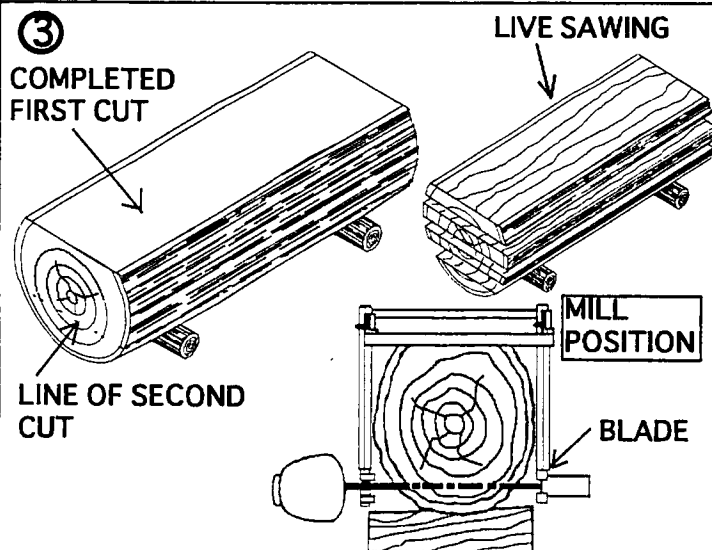
PREPARING GUIDE RAIL OR GUIDE PLANK

An accurate dependable guide system is absolutely necessary before attempting to operate your "ALASKAN". Granberg International recommends the use of our **SLABBING RAIL** system, part number G 850. If you are not going to order a set of these brackets, various alternatives will work, such as a good straight 2 X 12 with 2 X 2's or angle iron securely fastened to the plank edges. This helps stabilize the plank when secured to the log.



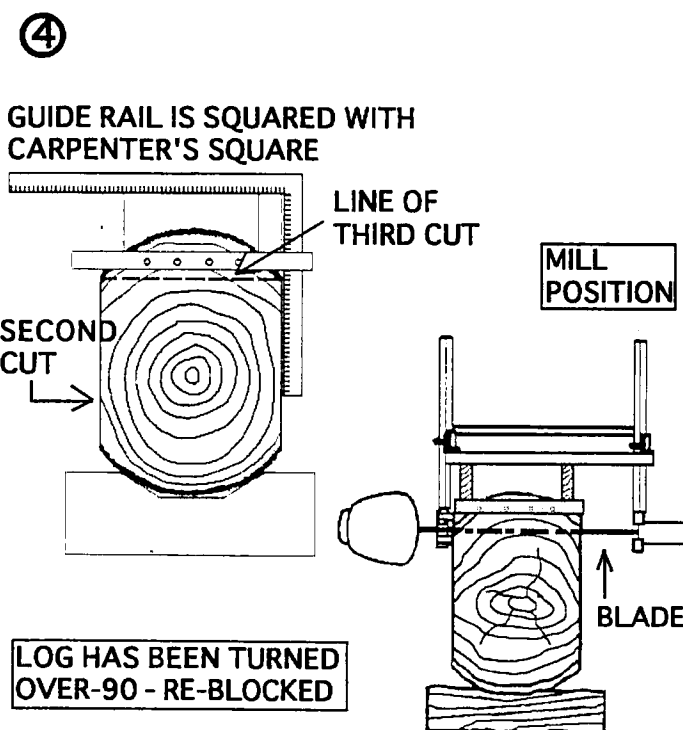
SETTING UP FOR THE FIRST CUT

Place the guide rail or plank on the log and secure. The guide rail must project at least six inches beyond the ends of the log so that the saw will leave the cut level and evenly. This basic or first cut determines the accuracy of all later cuts, so make sure it will be true and that the greatest amount of lumber will be produced from the log.



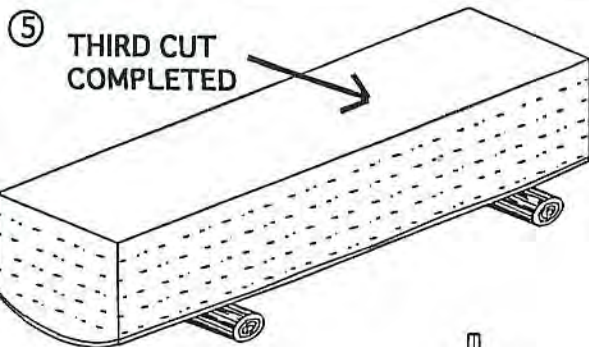
MAKING READY FOR THE SECOND CUT

Remove the guide rail and first cut slab. If you wish to "live saw" the log, adjust the mill for the desired depth of cut and saw mill the log as it lies. To produce a level and straight cut, keep the rails of the mill level and in contact with the log. To produce a "CANT" for a specific dimension, lower the mill to make your second cut. Wedge this cut open as the saw comes out of the cut to prevent the saw bar from pinching the chain. This second cut produces a surface parallel to the first cut. **Remember to keep the on-off guide bar in the middle of the log to lead the saw in and out of the cut.**

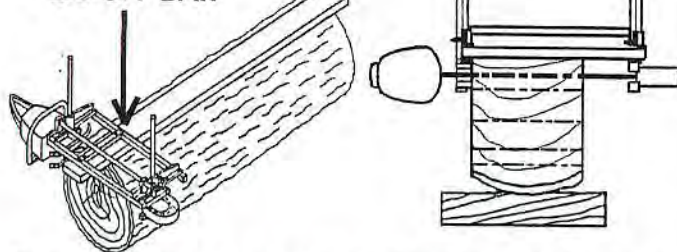


PREPARING TO MAKE THE THIRD CUT

Now rotate the log 90 degrees and brace the log firmly. Replace and fasten the guide rail. Use a carpenter's square to insure that the third slabbing cut will be a right angles to the faces of the first and second cuts.

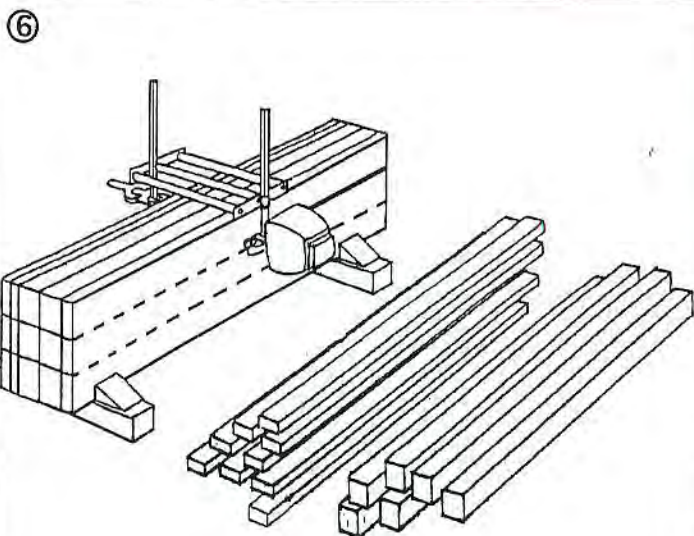


ON-OFF BAR



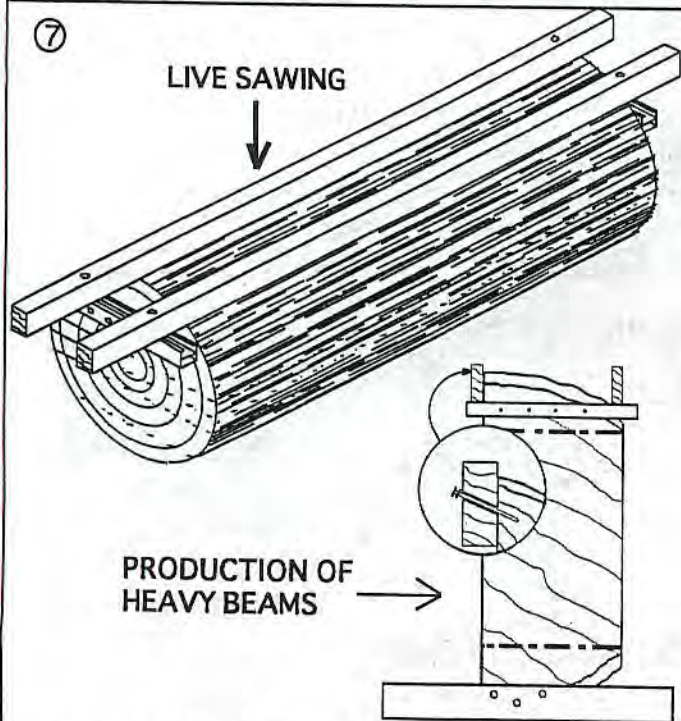
READY TO CONVERT CANT INTO LUMBER

You are now ready to convert the cant into lumber. Remove the slab and guide rail. Determine the thickness of the planks or boards to be produced and set the gauge to the correct thickness. Remember that the mill slides on the level surface of each previous cut so **take care that the on-off guide bar is centered** on the cant to insure the saw enters and leaves the cut evenly.



MAKING DIMENSION LUMBER FROM SAWN PLANKS

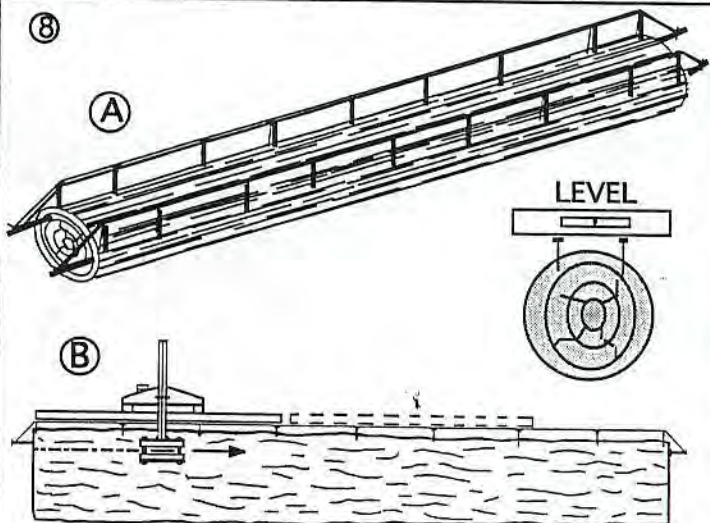
When you desire to make dimension lumber; gather the saw planks as shown and clamp firmly. Now adjust the thickness gauge as required so as to cut 2" x 2"s, 2" x 6"s or 2" x 12"s as an example. Keep in mind that if various sizes are planned to be taken from the same log, such as 4" x 4"s, 6" x 6"s, 4" x 8"s, ect, the various dimensions needed must be allowed for when making the previous cuts. See Step Five.



PRODUCTION OF HEAVY BEAMS

TIMBERS-CANTS-BEAMS-ECT., FROM LARGE LOGS

To split larger logs into two or more sections, proceed as in Step Two through Step Four. The sizes of these heavy pieces are controlled by the setting of the thickness frame. The guide rail is used in the same manner as previously described. The cuts may require wedging open due to heavy weight.

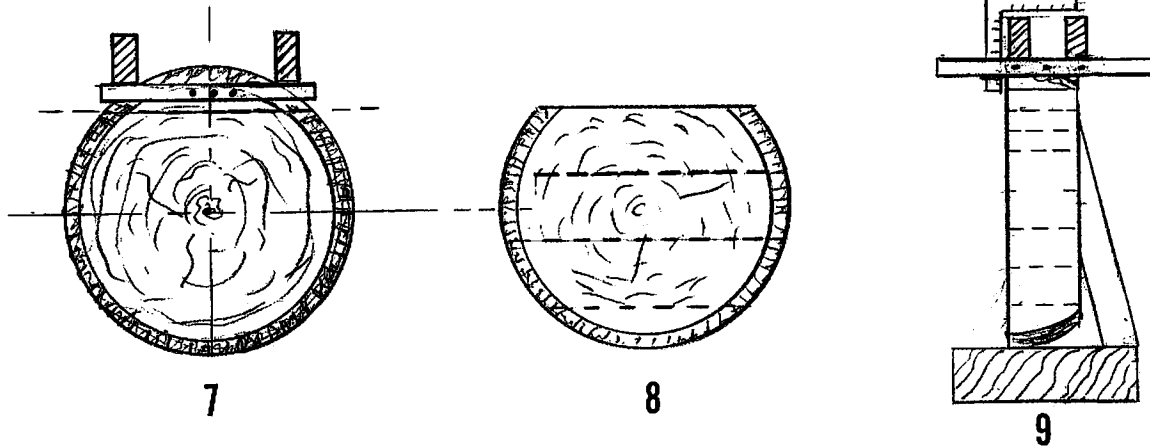


STEPS TAKEN IN THE MAKING OF PREMIUM LENGTH BEAMS

When cutting extra long or premium beams, we recommend this procedure for making the the initial cut. Before placing the guide board (2" X 6" or 2" X 12"), drive 2 spikes at each end (level) and stretch a heavy cord from one end of the log to the other. Drive spikes or lags to the height of the cord as a means of keeping the guide rail true and level (A). Place guide board on spikes and cut about 3/4 of the length of the guide rail, raise the mill and slide the guide rail ahead along the heads of the lags or spikes (B). Continue cutting in this fashion until the first cut is completed.

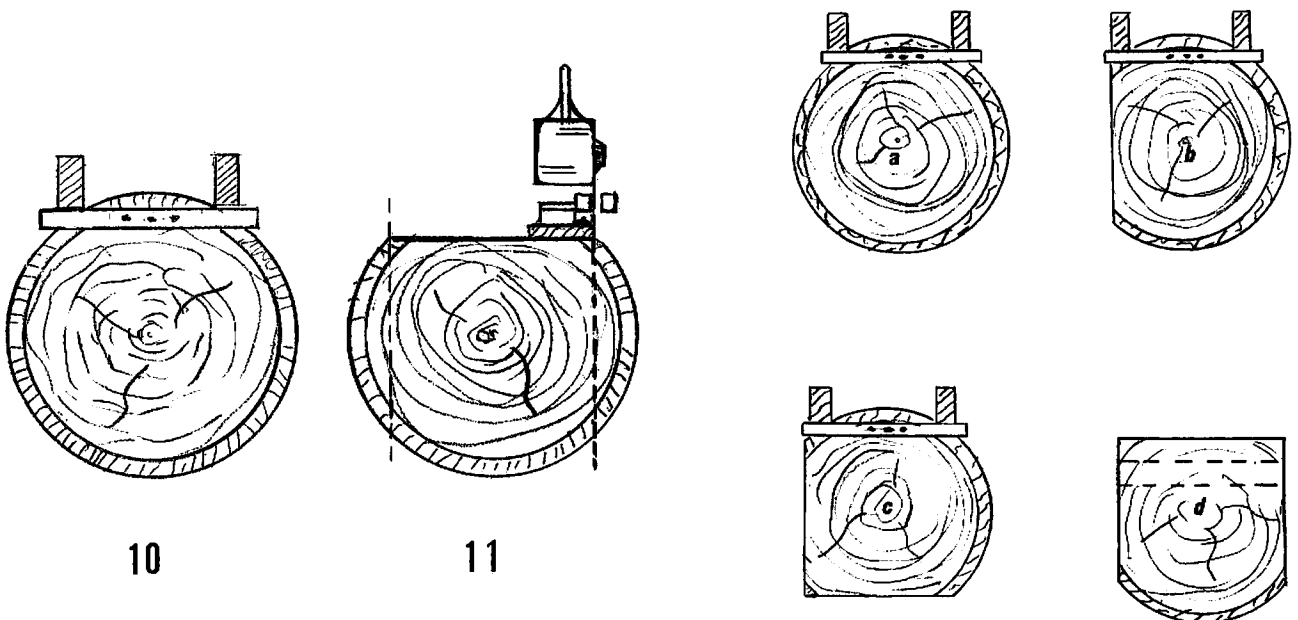
MILLING LARGE LOGS

7. ATTACH SLABBING RAIL AND MAKE FIRST CUT.
8. ADJUST MILL DEPTH BEST SUITED TO THE LOG OR THE DIMENSION TIMBER REQUIRED. CUT SLABS OR CANTS.
9. TURN CANT 90 DEGREES AND SUPPORT WITH BRACE. SET UP SLABBING RAIL AND REMOVE SLAB. THEN CUT SMALLER DIMENSION LUMBER.



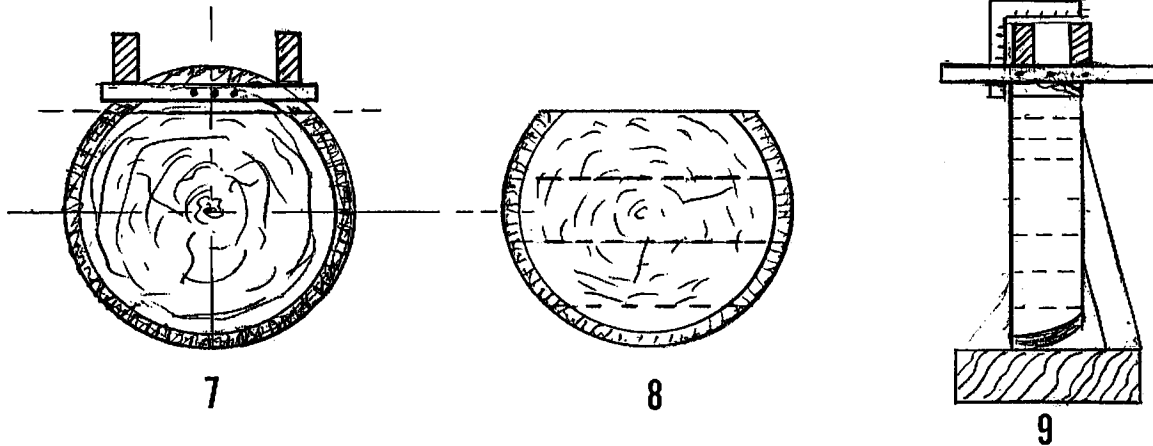
MILLING LOGS LARGER THAN MILL

10. REMOVE FIRST SLAB AS BEFORE.
11. ATTACH CHAIN SAW TO GRANBERG MINI-MILL MODEL #555B. ATTACH GUIDE RAIL TO YOUR LOG AS SHOWN. THEN REMOVE SIDE SLABS (SEE MINI-MILL INSTRUCTIONS).
12. IF YOU DO NOT HAVE A MINI-MILL, THE LOG CAN BE PROGRESSIVELY ROLLED AND SLABBING CUTS REMOVED TO REDUCE THE DIAMETER USING THE ALASKAN SAW MILL (a, b, c, d)



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