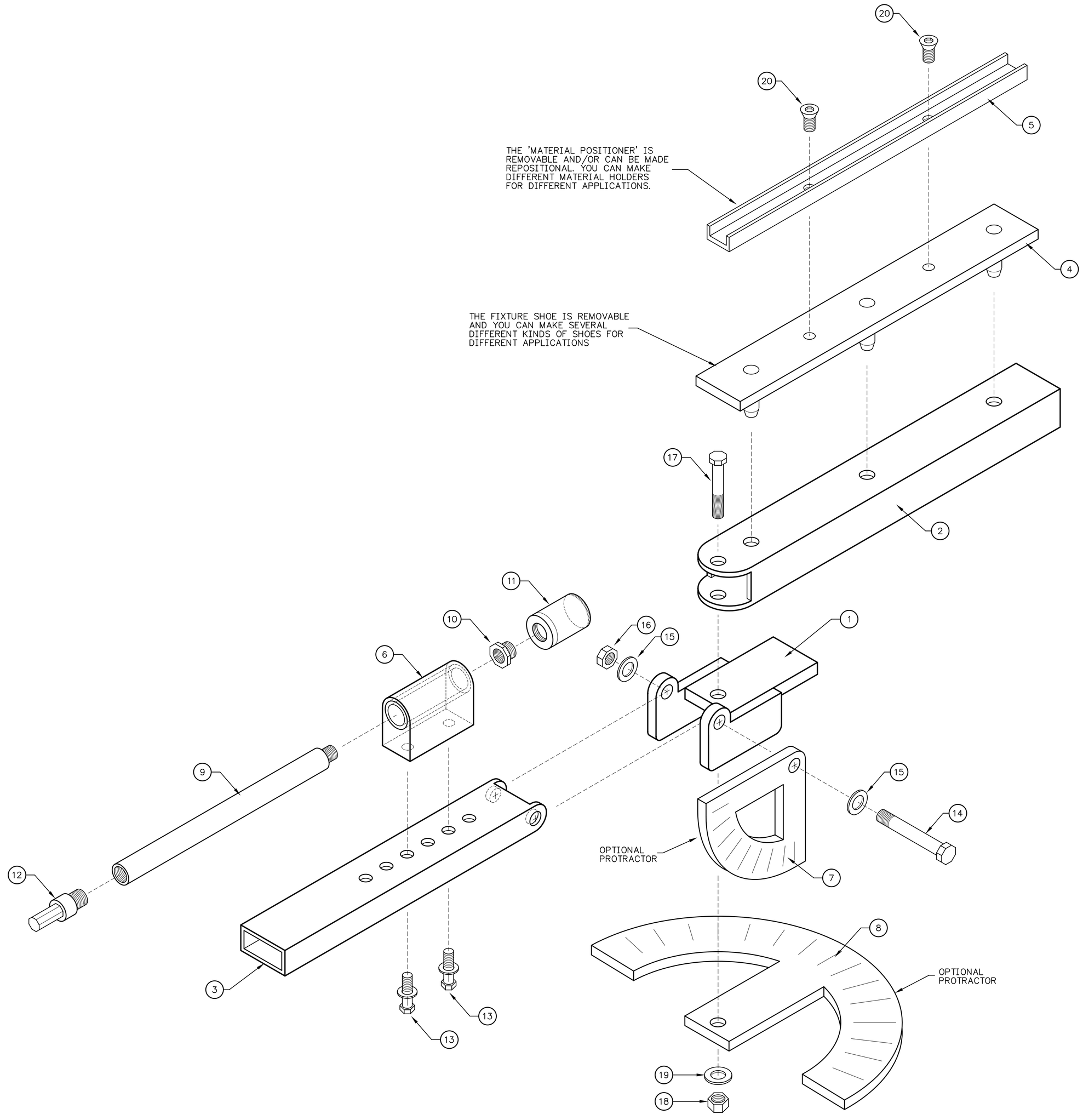
CHOPPER BUILDERS HANDBOOK



TUBING NOTCHER ASSEMBLY ISOMETRIC

NOT TO SCALE

NOTE THAT THIS SCHEMATIC ONLY ILLUSTRATES THE MAJOR COMPONENTS OF THE NOTCHER. CLAMPS, HOLDING FIXTURES, ETC. ARE NOT SHOWN. SEE THE PRINTED BUILDING INSTRUCTIONS AND OTHER PLAN SHEETS FOR DETAILS.

PARTS SCHEDULE	
SYM	PART DESCRIPTION
1	SWIVEL HINGE
2	FIXTURE BEAM
3	SAW CARRIAGE BEAM
4	FIXTURE SHOE (REMOVABLE)
5	MATERIAL POSITIONER (REMOVABLE)
6	SAW CARRIAGE
7	SAW BEAM PROTRACTOR (OPTIONAL)
8	FIXTURE BEAM PROTRACTOR (OPTIONAL)
9	SAW DRIVE SHAFT
10	SAW THREAD ADAPTER (OPTIONAL)
11	HOLE SAW BIT
12	DRIVE SHAFT SHANK
13	SAW CARRIAGE BOLTS AND WASHERS
14	SAW CARRIAGE SWIVEL BOLT (3/8" DIA.)
15	SAW CARRIAGE SWIVEL BOLT WASHER
16	SAW CARRIAGE SWIVEL BOLT NUT
17	FIXTURE BEAM SWIVEL BOLT (3/8" DIA.)
18	FIXTURE BEAM SWIVEL BOLT NUT
19	FIXTURE BEAM SWIVEL BOLT WASHER
20	MATERIAL POSITIONER FLATHEAD MACHINE SCREWS

GENERAL NOTES

1. THIS PARTICULAR TUBE NOTCHER IS DESIGNED TO BE MADE FROM THE TYPICAL SCRAPS FOUND IN MOST FABRICATION SHOPS OR GARAGES. THE SAW CARRIAGE ITSELF CAN BE CANNABALIZED FROM ONE OF THE CHEAP HARBOR FREIGHT NOTCHERS.

2. THERE ARE ONLY FIVE CRITICAL DIMENSIONS IN THE DESIGN OF NOTCHER SO GREAT LATITUDE CAN BE MADE IN THE SIZES AND TYPES OF MATERIALS USED FOR THE BEAMS, CLAMPS, HINGES AND OTHER ELEMENTS OF THE ASSEMBLY.

3. THIS NOTCHER IS PERHAPS UNIQUE IN THAT YOU CAN CUT COPES IN BOTH ROUND AND RECTANGULAR STOCK, ANGLE IRON ETC. AND THESE COPES CAN BE DONE IN TWO DIFFERENT PLANES OR OFF-SETS AT THE SAME TIME.

4. IF YOU RECEIVED THESE PLANS FROM ANOTHER SITE WITHOUT THE PRINTED DOUMENTATION PLEASE VISIT OUR WEB SITE AND COPY THE BUILDING INSTRUCTIONS FROM THE DOWNLOAD SECTION AT HTTP://WWW.CHOPPERHANDBOOK.COM
THESE INSTRUCTIONS ALSO DESCRIBE HOW TO USE THE NOTCHER.

5. THE PLANS INCLUDED HEREIN ARE INTENDED TO BE DIAGRAMATIC AND SCHEMATIC IN NATURE. THERE ARE COUNTLESS WAYS TO RE-ENGINEER THIS TYPE OF NOTCHER FOR SPECIFIC APPLICATIONS FROM ULTRA HIGH-TECH WITH PRECISION BEARINGS AND MACHINED FITTINGS TO ULTRA LOW-TECH USING SCRAP MATERIALS. IT IS UP TO THE MAKER TO DETERMINE EXACTLY HOW THEY WOULD LIKE TO MAKE THE NOTCHER. YOU WILL GET BACK IN DIRECT PROPORTION TO WHAT YOU PUT IN TO MAKING THE ASSEMBLY,

GARY W. WEISHAUPT

PERFORMANCE ENGINEERING
CHASSIS FABRICATION
FLOWBENCH TESTING
MACHINE WORK
RESTORATIONS

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Project Title
CHOPPER BUILDERS HANDBOOK

BUDGET TUBING NOTCHER

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Scale	1" = 1"
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ASSEMBLY ISOMETRIC

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CBTN 1.1

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