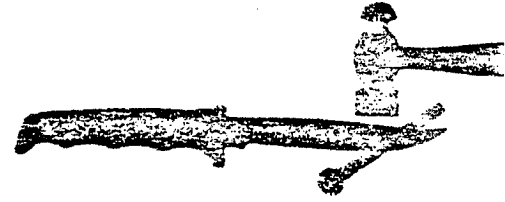


BUCK KNIVES



BUCKMASTER: THE SURVIVAL TOOL OF THE 80's

January 1985

I. History

A) Knife Design

Buck Knives had been considering survival knives for some time. We received a call from a research and development firm in Oceanside, Ca., who with Naval input and their own expertise had designed the ultimate **tool.**

Buck knives first response was that this knife was simply not feasible to produce. The expertise of our engineering staff and the support and enthusiasm of Buck Knives as a whole, soon had the means to economically produce a \$400.00 - \$500.00 custom knife

II. Parts and Functions

A) The Knife Blade

Material - 425m steel, .290 (5/16") thick.
- hardness 57 plus RC scale
-Special features

1) Wood and metal saw

- the teeth were designed for a pull-cut which would saw through the hull of an airplane or roof of an automobile':

- the teeth are raised exactly .030" over back of blade for maximum cut without binding.

- the blade is tapered to saw without, binding.

2) Rope cutting serration

- the heavy scallops were developed for cutting rope and fabric underwater.

3) Fully hollow ground blade

- the full hollow allows sharpening with more than enough backbone to handle some heavy work.

B. The Quillion

Material - .250(1/4") stainless steel

-Special features

1) Threaded holes on either side for the attachment of accessories.

-NOTE-

The only accessories released at present are the anchor arms.

C. The Anchor Arms

Material - 3/8" dia. stainless steel

- Special features

1) Knurled for ease of dismantling

2) Set at optimum angle for strength and anchoring capability.

3) They are currently rated for 275 lbs.

D. The Handle

Material - stainless steel

- Special features

1) Knurled for secure grip.

2) Hollow (7/8" dia) for water proof storage.
-blade/handle attachment sealed with epoxy

E. The Pommel

Material - stainless steel

Special features

1) Knurled for easy removal

2) Large threads and rubber O-ring provide water tight seal between handle and pommel.

3) Flat end on Pommel for pounding tool.

4) The compass is placed in a "bed" of silicone sealant shock protection.

F. The Lanyard Ring

Material - stainless steel

- Special features

- 1) Held secure by O-ring when pommel is removed.
- 2) Adaptable with D-ring for larger line sizes.

G. The Sheath

- Blade cover(body) with 1.5" black scuba web gear attachment assembly.

- Special Features

1) Injection molded thermoplastic body

- puncture proof
- slotted "ears" allowing accessory pouches
- thigh tie slot with string
- slot on back with inlayed emergency sharpening stone(coarse aluminum oxide)
- "Grip Tight" inner spring will hold thick blades without being strapped and thin blades from rattling.

2) Attachment Assembly

- Delrin snap on buckle for ease in affixing sheath on belt or shoulder harness.
- durable Nylon web gear

3) Anodized Nonreflective Snaps

4) Accessory Pouches

- small pouch for anchor arms and a larger fit for Folding Hunter.

Special Note:

Designed with diving in mind, the entire knife and sheath combination is corrosion resistant with normal care.

Chuck Jr.
Special Projects Mgr.