POSSIBLE IMPROVISED USES FOR AIRCRAFT PARTS

Ailerons
  Snow-cutting tools, shelter braces, splints, spinal immobilization.

Aircraft Skin
  Reflector for warmth around fire, signal, reflector oven, shade, fire platform, splint material, snow saw blade.

Air Filter
  Fire starter.

Charts or Air Sectionals
  Fire starter, clothing insulation, hat.

Battery
  Signaling with lights, fire starting.

Battery Box
  Stove or cooking container.

Brake Fluid
  Fire starter. Be careful with this fluid.

Carpet
  Ground pad, insulation, clothing insulation, overhead shade.

Clearance Light Covers

Utensils and tools.

Compass - Instrument Panel

Liquid fuel for fire starting (sometimes).

Control Cables

Rope replacement, snare wire, shelter lashing, repair cord.

Control Pulleys

Block and tackle when used with cables.

Disc Brake Plates

Signaling reflector.

Doors and Windows

Shelter, shade, wind break, water collection, snow-cutting tool.

Engine Oil and Fuel

Fire starter, stove fuel, signalling.

Engine Mags

Spark producers for fire starting.

Engine Cowl

Shelter, water collection, wind break, fire platform.

Fuel Cells

Melt snow on black surface in winter, black smoke in fire, signal on snow, lining of shelter or overhead protection.

Fuel Strainer

Improvised screwdriver.

Fuselage

Shelter.

Head Liner and Other Inside Fabric

Water strainer, clothing and insulation, bandage material, foot protection, fire starter.

Hoses

Siphoning, signal fire.

Inner Tubes

Canteen, elastic binding material, signal fire , container.

Landing Light Lens
  Fire starter, signal mirror.

Landing Lights, Strobes and Clearance Lights
  Signal light, night light (if battery available).

Magnesium Wheels
  Signalling reflector, tinder for fire (thin shavings will burn hot and easily).

Nose Spinner Cone
  Container; stove; digging tool in snow; pot for heating water; cooking pot; funnel.

Oil Filter
  Signal fire.

Propeller, Rotor Blades
  Shovel, snow cutting tool, brace for shelter.

Rotating Beacon Lens
  Cup, container.

Seats
  Sleeping cushions, brace for back injury, sponge rubber for fire starter, black smoke for signal, insulation, ground pad, neck support, water filter.

Seat Belts
  Rope replacement, binding materials, slings, bandages.

INSULATION

Spring Steel Landing Gear
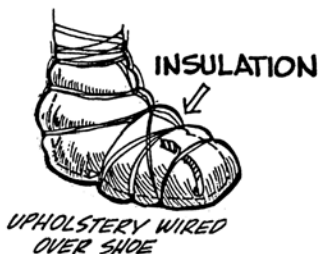 Pry bar, splint, shelter brace, digging tool.

Sun Curtains
  Signal, shelter, shade, bandages, insulation, water filter, clothing.

UPHOLSTERY WIRED
OVER SHOE

Tires
  Signal fire, improvised sandals, carrying container.

Vertical Stabilizer

IMPROVISED USES FOR AIRCRAFT PARTS *(Continued)*

Shelter support, platform, water filter (when inverted and filled with sand, vegetation and charcoal), shade.

Wheel Fairings

Water container, snow shovel, (fiberglass fairings will burn).

Wings

Wind break, shelter support, shade, fire platform, water collection for dew and rain, signal panel.

Wing Struts

Pry bar, splint, shelter brace, pole for signal, crutch.

Wing Tips

Container.

Wiring

Binding, cordage.

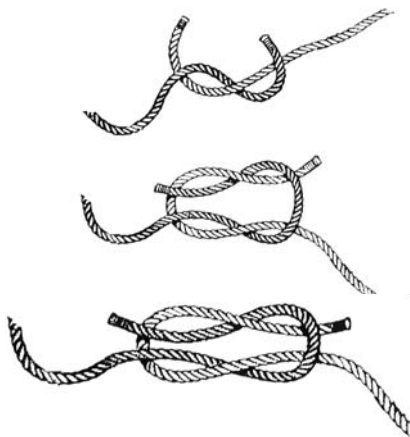# PILOT'S AND PASSENGER'S PREPARATIONS

The inside of an aircraft in the desert can become an oven

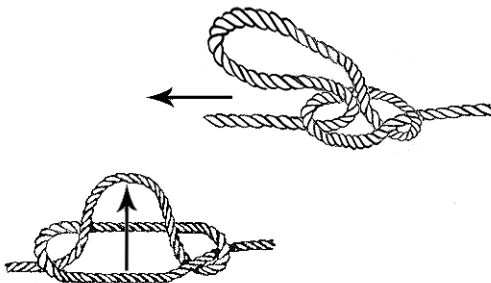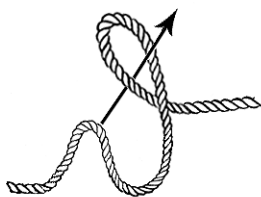# KNOTS AND LASHES *(THE HAMMERS AND NAILS OF SURVIVAL.)*

ABOVE: A **Granny Knot** often tied mistakenly when attempting to tie a square knot. Note: This is a very weak knot and should be discouraged. Saving grace is that it is usually easy to untie.
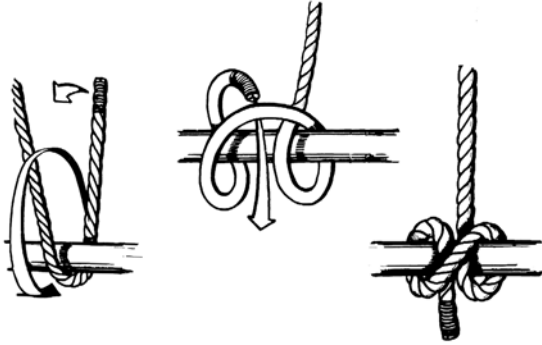

ABOVE: The **Square Knot** is used to join two same diameter lines.

BELOW: The **Slip-loop** in the middle of a line is used in the Truckers Hitch for tying tension between two objects or to secure loads or bundles.

KNOTS AND LASHES

ABOVE: Tying a **Clove Hitch** to secure a line to a pole or for starting a lashing to bind poles together.

BELOW: First knot below is a **Half Hitch**. By continuing to wrap the line around the body of the loop, you create a **Timber Hitch**.