

# BUCKINGHAM MFG.

## Replacement Instructions - Arborist Saddle Suspension Bridge PN WE7R

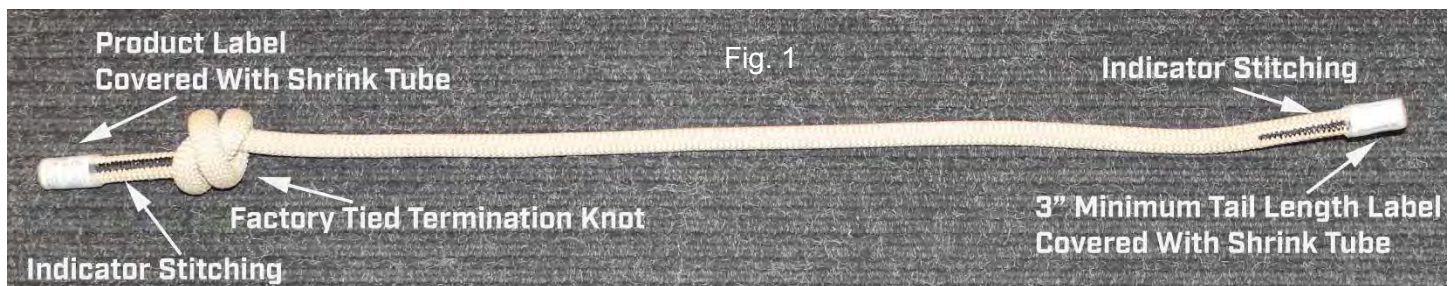
These instructions are intended for use with the subject item Suspension Bridge replacement for Buckingham Arborist Saddles equipped with climbing plates.

NOTE: Use only Buckingham approved replacement Suspension Bridges on Buckingham Arborist Saddles.

Buckingham Mfg. Suspension Bridges are manufactured with indicator stitch patterns at each end of the bridge and continuing in for 3", a termination knot tied at one end, a minimum required tail length label at one end and a product identification label (Fig. 1) at the other.

For purpose of clarity, labels and indicator stitches are not shown throughout this document. Additionally, rope color and length may vary from that shown.

An unassembled suspension bridge as supplied is shown in Fig. 1:



Ensure there is a minimum of three inches of tail exiting the termination knot when the knots are completed. The entire stitch indicator must be visible.

### Removing the Suspension Bridge:

- 1) Untie the 'Termination Knot' from one end of the Suspension Bridge (Fig. 2a & 2b) or cut the bridge at the center.
- 2) Pull the 'Suspension Bridge' from the climbing plates (Fig. 3).
- 3) Discard the old 'Suspension Bridge'. Note: Retain the "Suspension Bridge Climbing Ring", if included, for re-use.



Fig. 2a



Fig. 2b



Fig. 3

## Attaching the Replacement Suspension Bridge:

- 1) Inspect Climbing Plates and Climbing Ring for reuse before replacing the Suspension Bridge. The inspection should include, but not be limited to:
  - Visually and by touch, inspect to ensure there are no cracks, distortion, corrosion, scratches, gouges, sharp edges or rough areas that may abrade the Suspension Bridge or have an adverse effect on the component integrity.
- 2) Ensure there are no twists in the Suspension Bridge Adjustment Straps or Leg Pad Attachment Straps of the saddle attached to the Climbing Plates.
- 3) Insert the free end of the new Suspension Bridge through the center hole of one Climbing Plate from the outside edge and then pull it through until the knot is flush with the plate (Fig. 4).
- 4) Next, insert the free end of the Suspension Bridge through Climbing Ring (Fig. 5).
- 5) Then, insert the free end of the new Suspension Bridge through the center hole of the opposite Climbing Plate from the inside edge and pull it through until you have sufficient slack to tie the Termination Knot.
- 6) Tie the Termination Knot in the Suspension Bridge, by first wrapping the working end towards the long side of the rope (Fig. 6).
- 7) Next, wrap the working end twice to form a round turn around the standing part of rope (Fig. 7).
- 8) Then insert the working end back through the two crossed round turns (Fig. 8).
- 9) Once the Termination Knot is tied, dress and set the knot (Fig. 9).
- 10) Pull the knot tight until all slack is removed from the two turns.
- 11) Finally, inspect the factory tied Termination Knot to ensure it is properly dressed, set and all slack is removed. If unsure, untie the Termination Knot and re-tie as stated above.

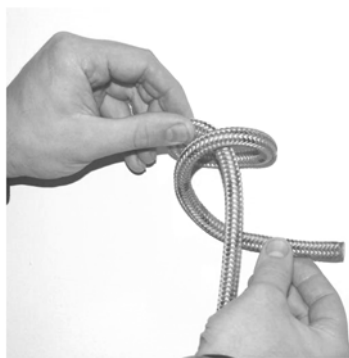
**Fig. 4**



**Fig. 5**



**Fig. 6**



**Fig. 7**



**Fig. 8**



**Fig. 9**

### **Warning:**

- Make sure to cross turns and not have them parallel as shown in the incorrectly tied Termination Knot of Fig. 10. Reference Fig. 11 to view a correctly tied Termination Knot.
- Ensure the Suspension Bridge has the required three-inch minimum tail exiting the Termination Knot to prevent accidental slippage. This can be determined by visually inspecting that the Indicator stitch pattern is completely on the outside of the knot (Fig. 12).



Fig. 10



Fig. 11

A completed and correctly tied Suspension Bridge is shown in Fig. 12.



Fig. 12

If any evidence of wear or deterioration of your equipment is observed during this change out, immediately cease use, destroy the product and replace it with new equipment. Should any unusual conditions be observed, or you have reasonable doubt about a particular condition, remove the equipment from service and notify your Supervisor, Safety Director or contact Buckingham Mfg. (1-800-937-2825) for clarification. Failure to carefully and completely inspect your equipment could result in serious injury or death.

## CLEANING, STORAGE and TRANSPORTATION

Proper maintenance, storage and transportation of your equipment will prolong its useful life and contribute toward its performance. Nylon and polyester should be cleaned and disinfected with water and mild soap and be allowed to air dry thoroughly without using excessive heat. Your equipment should be stored and transported so that it does not come into contact with moisture, ultra violet rays, extreme temperatures, or chemical agents. Warnings pertaining to cleaning, storage and transportation should be strictly adhered to.

**BUCKINGHAM MFG. CO., INC.**  
BINGHAMTON, NY  
1-800-937-2825  
Fax 607-773-2425  
e-mail - [sales@buckinghammfg.com](mailto:sales@buckinghammfg.com)

Information contained in these written instructions supersedes all other information (written, audio, video etc.) produced by Buckingham Mfg. prior to the revision date of this document.