



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HANDTOOLS

TOPIC: Wire broom

TIME FRAME: :15

LEVEL OF INSTRUCTION: Level I

BEHAVIORAL OBJECTIVE:

Condition: Given a written quiz

Behavior: The student will identify, describe the basic use, care, maintenance, and safety precautions associated with the wire broom.

Standard: With a minimum of 80% accuracy

MATERIALS NEEDED:

- Wire broom
- Gloves

REFERENCES:

- Teie, Firefighters Handbook on Wildland Firefighting 3rd Edition, Appendix: Use and Care of Hand Tools
- IFSTA, Wildland Firefighting for Structural Firefighters, 4th Edition, Chapters 3 and 6

PREPARATION: Wire brooms are a very effective suppression tool for fires in light grass and rock. They are also useful for cleaning leaves, pine needles and other ground litter from constructed hand lines.



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WIRE BROOM

PRESENTATION	APPLICATION
<p>IV. CARE AND MAINTENANCE</p> <p>A. Inspect tools before and after each use:</p> <ol style="list-style-type: none">1. Handle<ol style="list-style-type: none">a. <u>Smooth</u><ol style="list-style-type: none">(1) Sand as necessary(2) Do not apply<ol style="list-style-type: none">(a) Linseed oil(b) Wax(c) Paintb. <u>Straight</u><ol style="list-style-type: none">(1) Place out of service if<ol style="list-style-type: none">(a) Warped(b) Twisted(c) Not properly aligned with headc. <u>Sound</u><ol style="list-style-type: none">(1) Free of cracks(2) Free of burns2. Shank<ol style="list-style-type: none">a. Free of cracksb. Free of rustc. Screws, bolts, nuts in place and secure	<p>Demonstrate</p>



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PRESENTATION	APPLICATION
<ul style="list-style-type: none">3. Brush head<ul style="list-style-type: none">a. Free of cracksb. Free of rustc. Missing, bent or broken bristles<ul style="list-style-type: none">(1) Replace entire brush head <p>V. SAFETY PRECAUTIONS</p> <p>A. When using tool</p> <ul style="list-style-type: none">1. Maintain 10 foot interval<ul style="list-style-type: none">a. “Maintain Your Dime”2. Maintain firm footing3. Watch for obstructions4. Wear gloves and full safety uniform<ul style="list-style-type: none">a. Pay particular attention when gloves are wet5. Concentrate on impact area to:<ul style="list-style-type: none">a. Avoid rocks and other hard objectsb. Avoid hazards<ul style="list-style-type: none">(1) Beehives(2) Electrical wires(3) Barbed wire6. Pace yourself7. Use proper tool for the job <p>B. When carrying tool</p>	



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PRESENTATION	APPLICATION
<ul style="list-style-type: none">1. Grasp at balance point with head forward2. Carry on downhill side3. Carry horizontally (parallel) to the ground4. Sound off when passing another person with "coming through" and wait for that person to yield right of way5. Bristles pointed downward C. When passing tool<ul style="list-style-type: none">1. Pass handle (butt) first2. At arms length from other person<ul style="list-style-type: none">a. Never toss D. When grounding tool<ul style="list-style-type: none">1. Place head of tool flat on ground with bristles down ("Wagon Wheel")2. Place all crew tools in the same area E. When storing tool<ul style="list-style-type: none">1. Store in a clean, cool, dry area2. Store in a secure area or in the proper compartment3. Separate in-service and out-of-service tools4. Secure tools properly in tool racks	



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SUMMARY:

When properly utilized, a wire broom can save on wear and tear of firefighters and other tools. While not as versatile as some other hand tools, in certain situations and fuel types it can be indispensable.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).