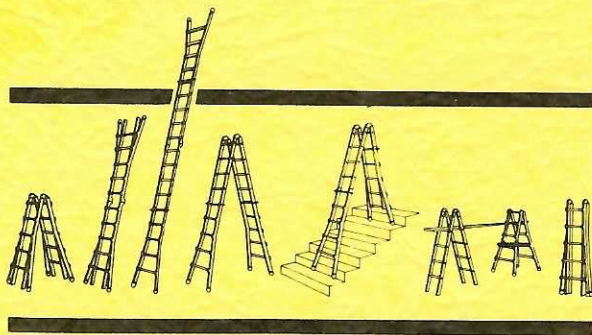


Little Giant Ladder Systems Type II



WING ENTERPRISES, INC.

OPERATING & SAFETY INSTRUCTIONS

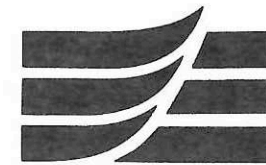


WING ENTERPRISES, INC.
2241 SOUTH LARSEN PARKWAY
PROVO, UTAH 84601
PHONE (801) 375-9620

"One Ladder Does It All"

Little Giant Ladder Systems

Type II



WING ENTERPRISES, INC.

OPERATING
&
SAFETY
INSTRUCTIONS

NOTES

LITTLE GIANT LADDER SYSTEMS TYPE II LADDER OPERATING AND SAFETY INSTRUCTIONS

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OPERATING INSTRUCTIONS FOR LITTLE GIANT TYPE II LADDER SYSTEM - ALUMINUM

I. Description

A. The Ladder is a multifunctional ladder unit comprised of three basic components--an inner ladder assembly and two outer assemblies which telescope over the inner.

1. The inner ladder assembly has a locking center hinge which allows the unit to be used in the following configurations:

- a. Stepladder
- b. Extension Ladder
- c. Stairwell Ladder
- d. Scaffolding trestles

CAUTION: SCAFFOLDING TRESTLE CONFIGURATION TO BE USED WITH OPTIONAL WORK PLATFORM SPREADER ATTACHMENT ONLY.

2. Locking mechanisms on the two outer assemblies of the ladder permit the ladder side rails to be adjusted in length. These lock assemblies fit in any rung of the inner ladder assembly, allowing foot-by-foot adjustment on either end of the ladder.

B. A table of various working heights for the M-13 and M-17 models is as follows.

Configuration	Storage Height	A-Frame	Extension
Working Heights M-13	3'7"	3'4" to 5'3"	7'0" to 11'0"
Working Heights M-17	4'7"	4'4" to 7'3"	9'0" to 15'0"

C. The siderails and rungs are made of aircraft grade aluminum.

1. There are slip resistant aluminum rungs on both inner and outer assemblies.
2. Both inner and outer assemblies are finished with slip-resistant feet.

**WARNING: INSPECT UPON RECEIPT AND BEFORE EACH USE.
NEVER USE A DAMAGED OR BROKEN LADDER.**

II. Operating and Adjusting the Ladder

A. The hinge, located at the top of the ladder, permits you to alter the shape of the ladder (FIGURE A-1).

The ladder can be placed in 3 configurations:

1. Storage position (FIGURE A-2)
2. Stepladder position (FIGURE A-3)
3. Extension Ladder position (FIGURE A-4)

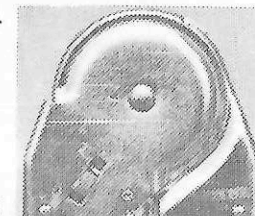


Figure A-1

The hinge will only lock in stepladder and extension ladder position.

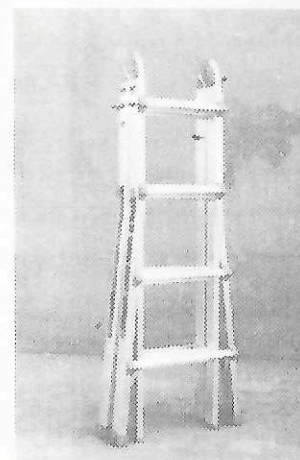


Figure A-2

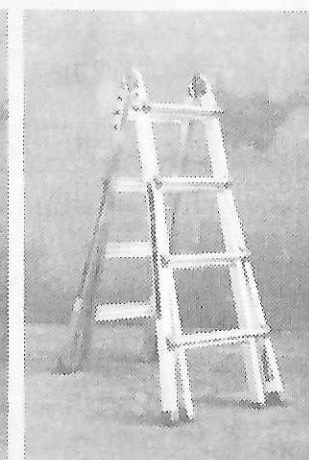


Figure A-3

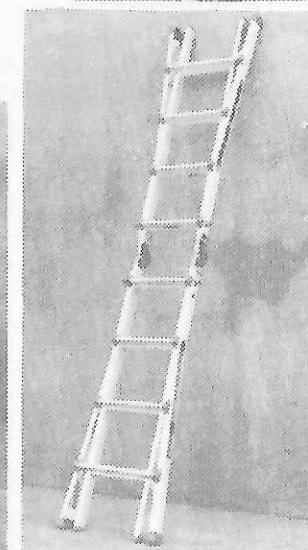


Figure A-4

WARNING: The hinge has a built in locking mechanism which allows it to lock automatically when in the step or extension ladder configurations. This internal locking mechanism can be seen through the slot in each hinge. Figure A-5 shows the hinge unlocked. This position is evident as the locking dog is in the lower portion of the hinge slot. Figure A-6 shows the hinge in the locked position. This position is evident as the locking dog is in the upper position of the hinge slot. In normal use, the hinge will lock automatically in each position. However, hinge damage, misuse, normal wear, rust, or foreign material in the hinge may prevent it from locking completely, making an unsafe condition. Check to make certain hinges are locked before climbing. Malfunctioning hinges may be repaired in most cases by applying a light oil to the mechanism. If this procedure fails to correct the problem, the hinge must be replaced before future use.

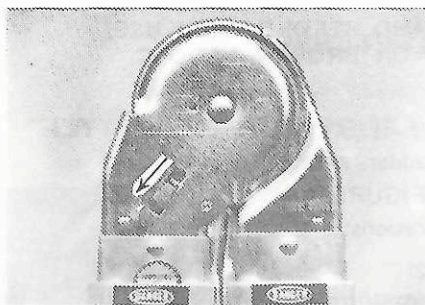


Figure A-5

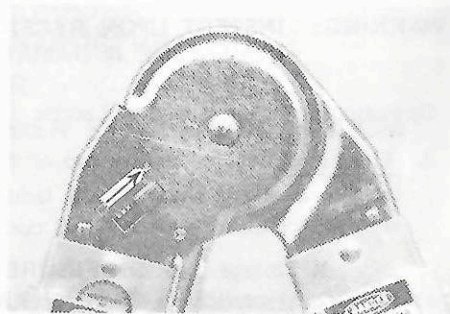


Figure A-6

1. From its stored position, pull the two ladder halves apart until both hinges lock into the stepladder position. (FIGURE A-3).

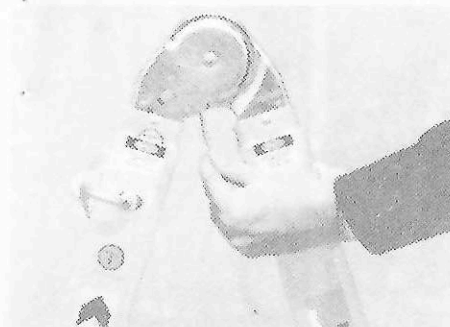


Figure A-7

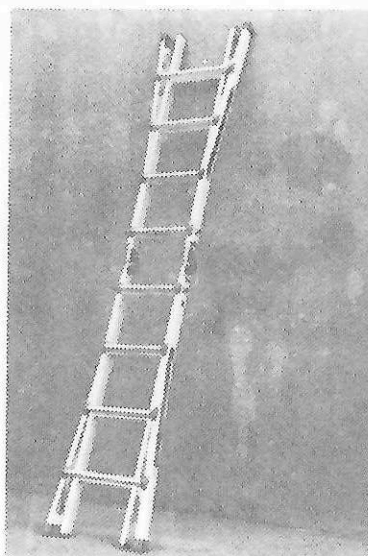
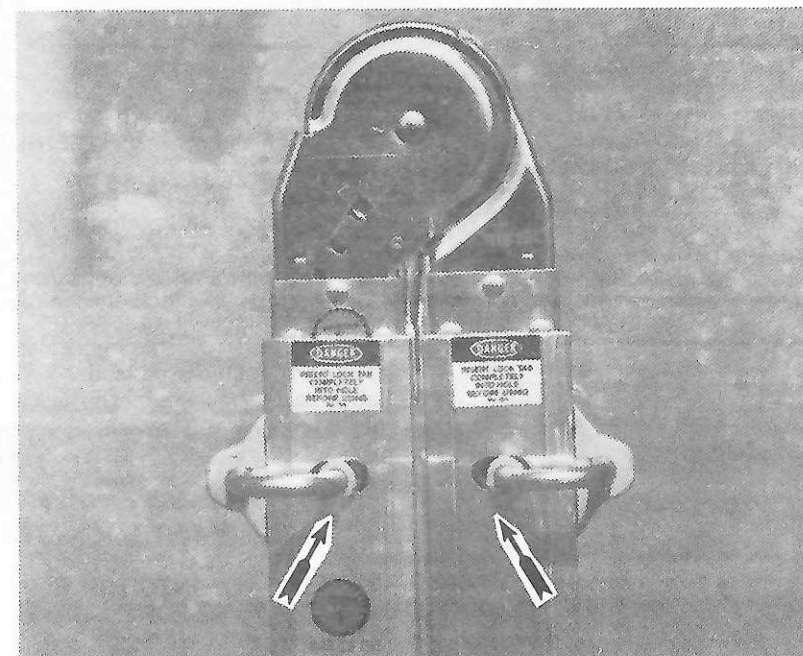


Figure A-8

2. Now place the ladder into the extension position by first pushing in the hinge release levers located under each hinge. (FIGURE A-7). Rotate either side of the ladder until the hinges lock in to the extension ladder position (FIGURE A-8).
3. To restore the ladder to the storage position, push the hinge release levers on each hinge. This will allow the ladder to rotate back to the storage position without first locking in the stepladder position. Make certain the extension ladder is in its minimum extension ladder length before folding the ladder. Use caution and do not allow the full weight of the ladder to fall as it folds from extension to storage position.

- B. The second mechanical component of the ladder system is the Lock Assembly. There are four of these on each ladder. These permit you to change the height of the ladder. (See FIGURE B-1.)

Figure B-1



1. Adjusting the height: A-Frame Ladder
 - a. With the ladder in the storage position, pull the four Lock Assemblies out of the rung holes of the inner ladder and rest them on the sides of the outer ladder rails. (See FIGURES B-2 and B-3).
 - b. Raise the inner ladder up to the desired height.

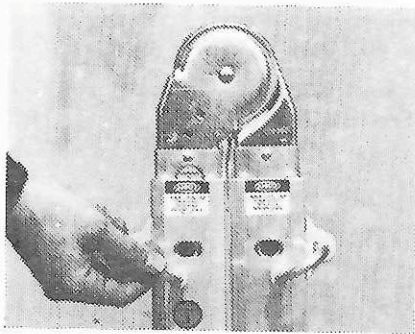


Figure B-2

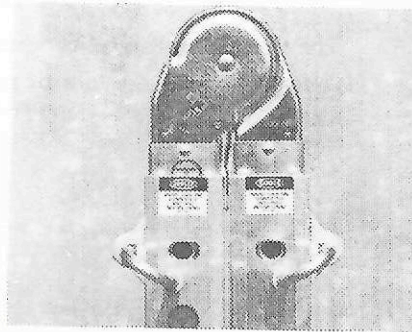


Figure B-3

- c. At the desired height align the outer holes with the nearest rung hole of the inner ladder.
- d. Holding the inner and outer ladder at the aligned height with one hand, reinsert the opposite Lock Assemblies into the rung holes with the other hand (FIGURE B-4).



Figure B-4

- e. Alternate hands and perform the same operation with the other 2 Lock Assemblies on the opposite side of the ladder.
- f. Open the ladder to the Stepladder position by pulling the ladder halves apart until the hinges lock into place.



CAUTION: HEED THE WARNING LABEL PLACED ABOVE EACH LOCK ASSEMBLY

**INSERT LOCK TAB
COMPLETELY
INTO HOLE
BEFORE USING
No. 104**

- g. To return the ladder to the storage position, reverse the procedure and return to position as seen in Figure B-1.

CAUTION: WHEN THE INNER LADDER IS EXTENDED, DO NOT PULL OUT ALL FOUR LOCK ASSEMBLIES UNLESS THE INNER IS HELD OTHERWISE IT WILL SLIDE DOWN AND HIT THE GROUND.

2. Adjusting the height: Extension Ladder.

- a. From its stored position, pull the two ladder halves apart until both hinges lock into the stepladder position.
- b. Push each hinge release lever and rotate either side of the ladder until the hinges lock into the extension ladder position. (FIGURE A-7 and A-8).

- c. Unlock the two Lock Assemblies on the upper half of the ladder. Grasp the outer ladder and walk backward, allowing the ladder to telescope to the desired height, then reinsert the lock assemblies. If more height is desired extend the lower half of the ladder in a similar manner. (FIGURE B-5.)

Figure B-5



- d. To store the ladder from its extension position, reverse the above sequence starting with the lower half of the ladder. Then bring the extension ladder to the storage ladder position as in the instruction A-2.
- e. **NOTE:** When the inner section is extended, do not remove lock assemblies from the lower half of the ladder without having a secure hold on the inner section. Otherwise the inner ladder will slide down and hit the ground.

3. Adjusting the Staircase Ladder

- a. Adjust ladder to the desired height (review adjusting the height of the ladder for use in the A-frame position).
- b. Unlock the lock assemblies on the upper side to be used and adjust for proper angle to fit the staircase and reinsert upper lock assemblies as seen in Figure B-6.

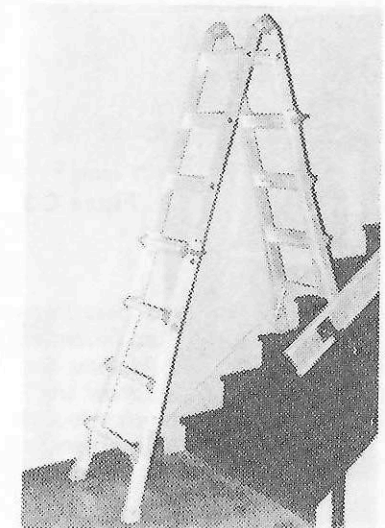


Figure B-6

III. Scaffolding Trestle Operating Instructions

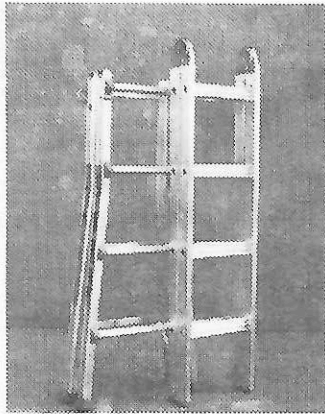


Figure C-1

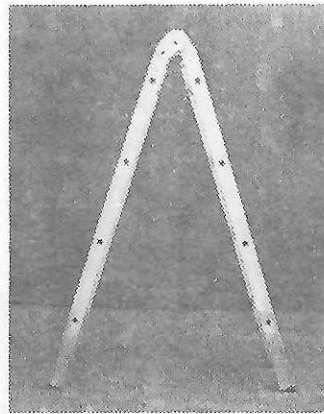


Figure C-2

1. Unlock all four lock assemblies and pull the inner ladder assembly completely out of the outer ladder assemblies. (FIGURE C-1)
2. Open the inner ladder assembly to the A-frame position until both hinges lock. This is the first of two trestles needed for the scaffolding function (FIGURE C-2).
3. Grasp both outer ladder assemblies FIGURE C-3.
4. Reverse one outer ladder assembly 180 degrees and insert lock assemblies of one outer assembly into the adjacent holes of the opposite outer assembly (FIGURE C-4).

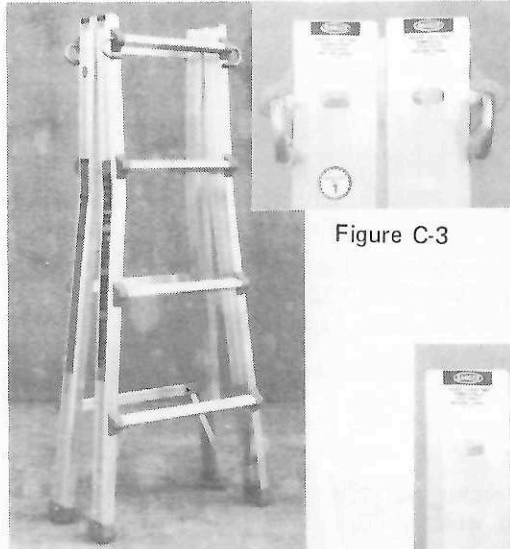


Figure C-3



Figure C-4

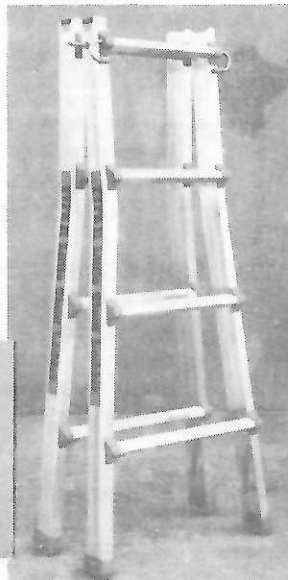
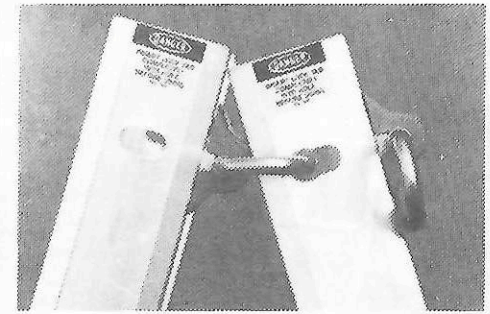


Figure C-5



5. Grasp the outer ladder base with the unused lock assemblies and lower $\frac{1}{2}$ inch, then spread the opposite outer ladder base to form a second A-frame trestle. (FIGURE C-5)

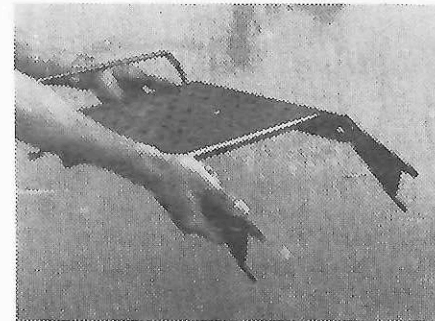


Figure C-6

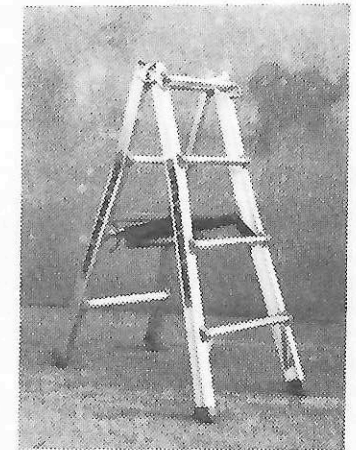


Figure C-7

6. Rotate forked ears on work platform to position indicated, as shown above (FIGURE C-6)
7. Insert work platform between outer assemblies on the third rung down of each assembly. The wire-formed end of the work platform should surround the outer rung turned to the inside of the trestle. (FIGURE C-7).

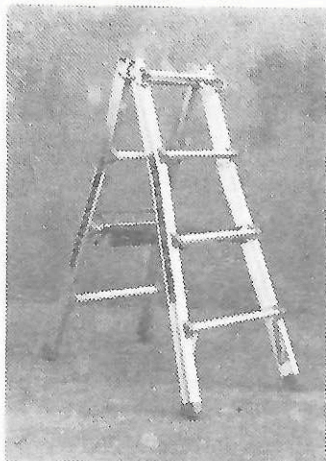
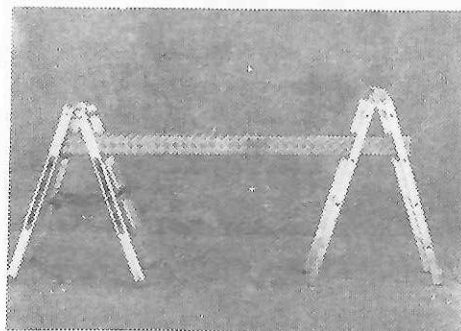


Figure C-8

8. Press down on top of work platform until it locks in a horizontal position. Trestle is now ready for use. (FIGURE C-8)

Figure C-9



9. Space the two trestles and place an appropriate *scaffolding plank on the set of rungs at the desired working height. (FIGURE C-9)
Make certain there is at least 12" of overlap from the end of the plank to the supporting rung on each end. Plank may be placed on any rung of the scaffold trestles with the exception of the top rung. Do not use the inner ladder trestle alone as a step ladder unless at least one outer ladder assembly is attached. Do not use the outer ladder assembly as either a scaffolding trestle or stepladder without using the work platform as a spreader attachment. Either condition may result in injury.

*PLANK IN PICTURE IS LITTLE GIANT LADDER SYSTEMS MEDIUM DUTY TELESCOPING PLANK. (Available in either an 11' or 15' maximum lengths.)

(Models #113 and #114).

IV. Work Platform Operating Instructions



Figure D-1

1. Tighten or loosen bolts until brackets move stiffly. (FIGURE D-1)



Figure D-2

2. Adjust to fit ladder rung. (FIGURE D-2)



Figure D-3

3. Place platform at desired height (FIGURE D-3)



Figure D-4

4. Push platform forward and step up through the rung above platform. (FIGURE D-4)



Figure D-5

5. Push platform back with toe (FIGURE D-5) until the forward lip of the platform rests against the rung.

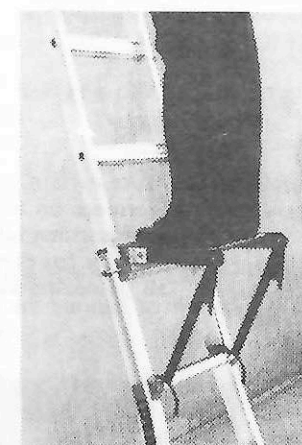


Figure D-6

6. Check to ensure platform is securely in place before putting full weight on it. (FIGURE D-6).

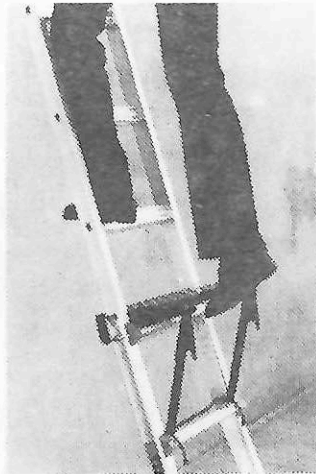


Figure D-7



Figure D-8

7. When through working, step to rung above work platform and push work platform forward with toe. Step down through work platform. (FIGURE D-7).
8. The above instructions also apply to the step ladder. The platform may also be used as a utility shelf. (FIGURE D-8)

WARNING: Make certain work platform is properly positioned before climbing. Warnings on work platform must also be heeded for safe operation (see warning label below). WING ENTERPRISES, INC. assumes no liability for damage or injury which may result by failing to follow all preceding instructions correctly.



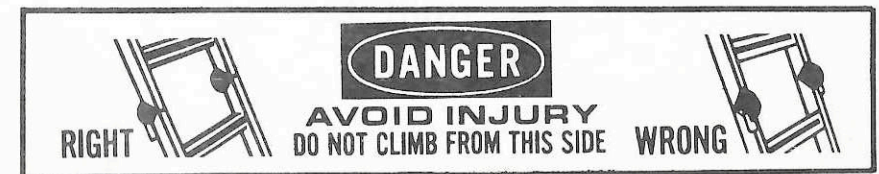
1. Inspect upon receipt and before each use, never use a damaged, bent, or broken platform.
2. Make sure nuts and bolts are tight before using.
3. Make sure platform is extended fully before standing.
4. Never lay tools on platform when used as a standing platform.
5. Never reach down to reach or adjust the platform while standing on it.
6. Never use the work platform if standing surface becomes slick from water, ice, snow, or other substances.
7. This work platform is also used as the spreader attachment for combining two outer ladder sections to form a separate step ladder. Do not use this step-ladder without this spreader attachment (Refer to operating instructions.)
8. Heed other warnings and instructions found on the ladder and Operating & Safety Instructions.

No. 120

V. Final Cautions

1. When adjusting hinges or lock assemblies, keep body parts and clothing out of the working mechanisms. These mechanisms are constructed of heavy duty materials and can pinch if carelessly adjusted.
2. When telescoping the inner ladder within the outer ladder assemblies, never allow clothing or body parts to be placed between the rungs. Always hold the ladder with both hands on the vertical upper rails or hinges of the ladder while telescoping up or down.
3. Do not attempt to gain extra ladder height by extending inner section past the last available lock assembly holes. Danger or injury will result.
4. Do not use this ladder around electricity. It will conduct electricity if it comes in contact with electrical circuits.
5. When using ladders be sure to:
 - a. Set all four feet on firm level surface
 - b. Keep steps dry and clean
 - c. Wear slip-resistant shoes
 - d. Keep body centered between both siderails.
 - e. Read additional instructions on ladder.
6. When using extension ladder, the proper working angle requires that the distance from the ladder base to the base of the support wall must be $\frac{1}{4}$ the working length of the ladder, ie: 1 foot out from wall for every 4 feet in height.
7. Never use extension ladder in the horizontal position as a plank. This type of stress can cause the ladder to collapse.
8. The Little Giant Ladder is a Type II Medium Duty Ladder rated at 225 pounds weight load capacity in accordance with applicable ANSI and OSHA standards. **Do not exceed safe working limits.**
9. In the extension ladder position, the rungs of the Little Giant Ladder System are so constructed that the surface of the rungs are parallel to the surface upon which the ladder stands when in proper use.
10. Read and become familiar with all warning and cautions found on ladder before use.

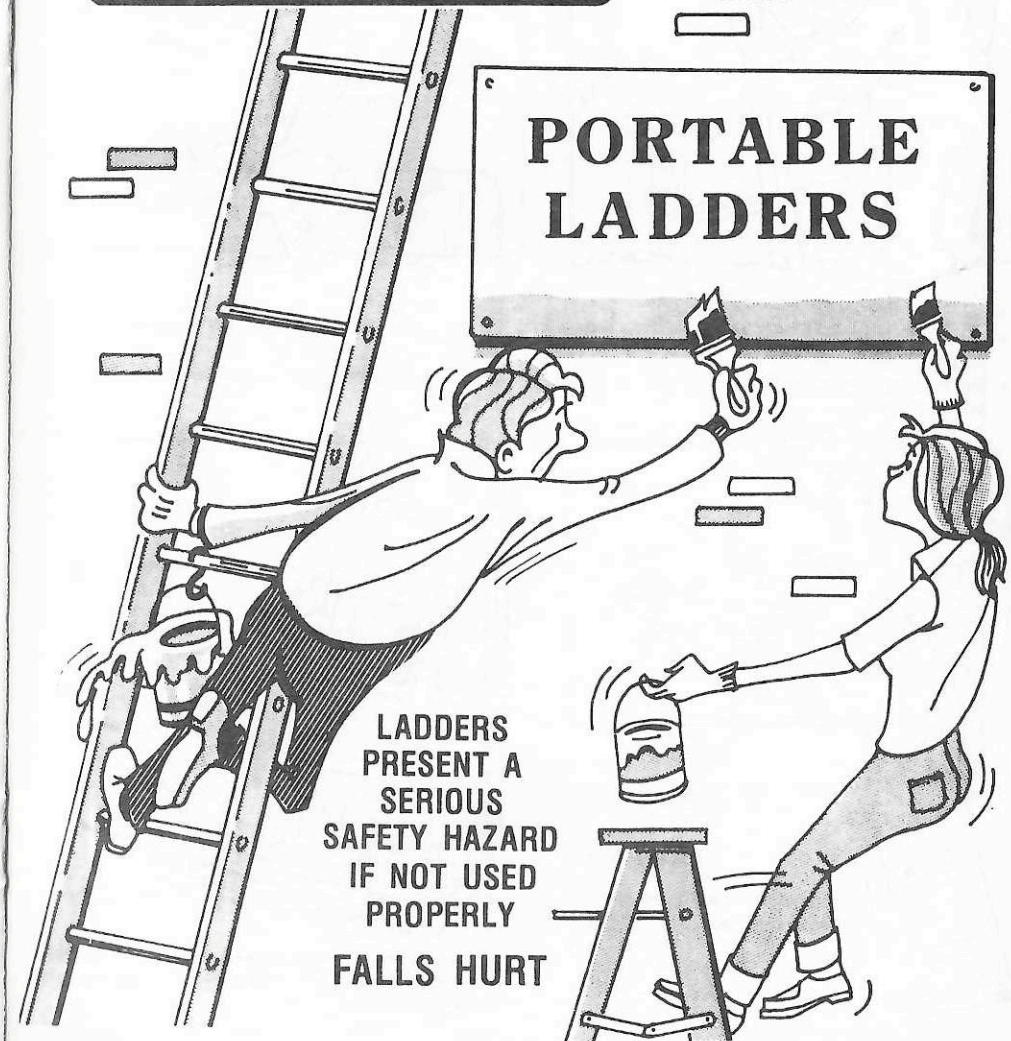
CAUTION: NEVER CLIMB THE BACK OF THE LADDER IN THE EXTENSION POSITION:
As indicated on warning label placed on the inside of the inner ladder assembly.



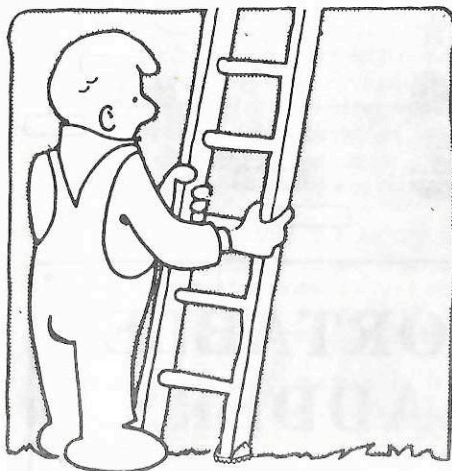
VI. Maintenance

1. To ensure smooth operation lubricate the hinge mechanism and lock assemblies with light machine oil or silicon spray. Make certain all excess lubricant is removed from other ladder surfaces to prevent the rungs from becoming slick. Endust Furniture Polish may also be applied to the sliding surfaces of the ladder siderails to allow smooth telescoping of inner and outer ladder assemblies. Applied Endust should be wiped off with a dry cloth before the ladder is used. This application will leave a protective film on the ladder.
2. Always store the ladder in a dry location out of the weather. This will help to ensure that your Little Giant will provide you a life-time of service
3. Keep rails clean so that ladder will slide easily.
4. Keep hinge mechanism free of dirt, salt spray, or other contaminants that could prevent proper operation.
5. Replace inner and outer feet as required to ensure safety.
6. Check all components to be sure they operate correctly.
7. Replace labels with label kit when labels become obscure, defaced, missing or difficult to read.

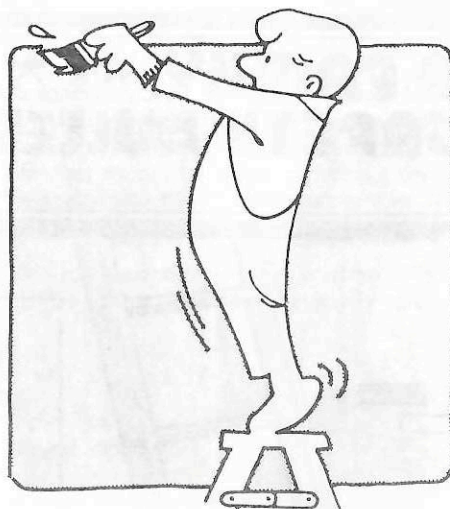
A FAMILY ★ ★ ★ SAFETY BULLETIN



**LADDERS
PRESENT A
SERIOUS
SAFETY HAZARD
IF NOT USED
PROPERLY
FALLS HURT**



- Use a sound ladder with safety feet.
- Make sure it is firm and steady with no defective rungs, braces or side rails.
- Get help in carrying and setting up heavy extension ladders.



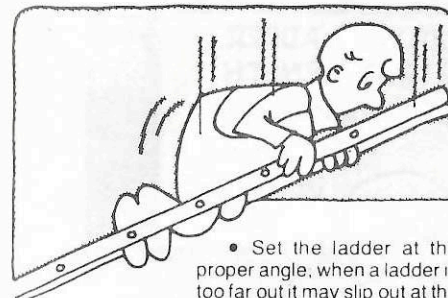
- Make sure the ladder is long enough.
- On a stepladder, never climb or stand on the top two steps.
- On straight ladders don't stand on the top four rungs.



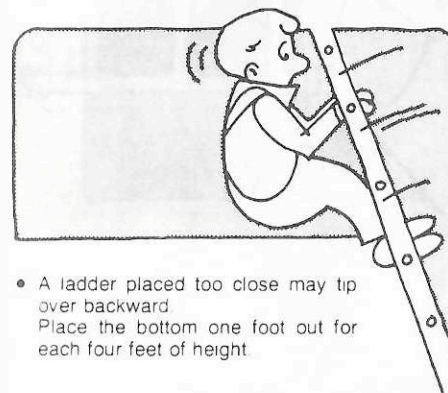
- Set the ladder up on the level. Ladders can't adjust to a side sloping surface and there's a good chance that a ladder set on a slant will tip over sideways.
- A ladder "STABILIZER" which fits on the top of a straight ladder lessens chances of tipping and allows better working space.



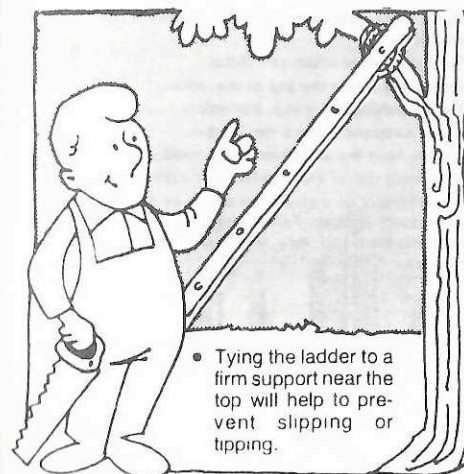
- On soft ground use a wide board (6 inches width or more) to keep the ladder legs from sinking into the ground and slipping.



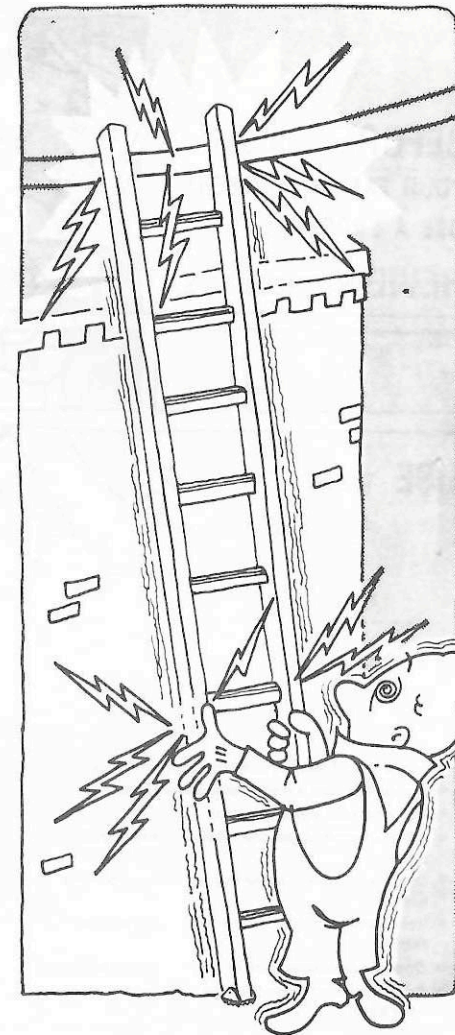
- Set the ladder at the proper angle, when a ladder is too far out it may slip out at the bottom.



- A ladder placed too close may tip over backward. Place the bottom one foot out for each four feet of height.



- Tying the ladder to a firm support near the top will help to prevent slipping or tipping.



Some other safety tips:

- Have someone hold the ladder at the foot.
- Be certain that metal ladders do not touch electrical power lines.
- Don't place the ladder where it can slip or be shaken - for example, by a swaying tree.
- Beware of high winds.

BEFORE YOU OR
YOUR FAMILY MEMBERS
USE A LADDER,

REVIEW THESE TIPS,

USE THEM!



- Use a sound ladder, long enough for the job.
- If possible, use a ladder with safety feet.
- Get help with a heavy ladder.
- Set the ladder up on the level so it won't shift or sway.
- Use a wide board under the feet if the ground is soft.
- Set a straight ladder at the proper angle (4 to 1 ratio).
- Open a stepladder fully to engage the side braces.
- Avoid working around power lines with a ladder or your body.

- Make sure ladder rungs and shoe soles are not slippery.
- Face the ladder when you climb.
- Stand well below the top of the ladder.
- Tie the ladder at the top, if possible.
- Never overreach. Move the ladder!
- Always hold the ladder with one hand.
- Haul tools up on a line rather than carrying them.
- Be as careful on a short stepladder as on a 30 foot extension ladder. False security can lead to carelessness and falls which can cause painful injuries.

PARTS LIST AND WARRANTY

WING ENTERPRISES, INC.

WARRANTY

Wing Enterprises, Inc. warrants each new ladder, to the original purchaser thereof, to be free from defects in workmanship and materials when operated under normal conditions and maintained properly. This warranty covers all parts of the ladder, including hinges and lock assemblies.

This warranty shall be in effect for a period of 12 months from date of purchase. This shall be in lieu of any other warranty, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Wing Enterprises, Inc. will repair or replace, at its option and without cost to the original purchaser, any ladder which has been found to be defective and is within the period of warranty. All freight to and from the factory is to be paid by the customer. The factory address is : Wing Enterprises, Inc. 2241 South Larsen Parkway, Provo, Utah 84601.

The liability of Wing Enterprises, Inc. under this warranty shall be limited solely to repair or replacement of the ladder within the warranty period; and Wing Enterprises, Inc. shall not be liable, under any circumstances, for consequential or incidental damages, including, but not limited to, personal injury or labor costs. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives the original purchaser specific legal rights and you may also have other rights which vary from state to state.

Under no circumstances will Wing Enterprises, Inc. be responsible for any expense in connection with any repairs made by anyone other than the factory or authorized service station unless such repairs have been specifically authorized in writing by Wing Enterprises, Inc.

This warranty is void if the enclosed Warranty Registration Card is not completed and returned to Wing Enterprises, Inc. within 10 days after receipt of product.

FINAL INSPECTION

The Little Giant Ladder is the best ladder obtainable anywhere. Quality Control checks have been made during each manufacturing operation to ensure your ladder meets our high manufacturing standards. The following items have been individually checked and approved before boxing.

- ☒ Positive locking of hinge in each opening.
- ☒ Smooth operation of lock assemblies.
- ☒ Inner ladder slides freely within outer ladder assembly.
- ☒ Both inner and outer ladder assembly's stand flat on all fours. (Where applicable)
- ☒ All component parts are in place.
- ☒ All workmanship is of good quality.

I sincerely hope you enjoy your Little Giant.

INSPECTED BY

22

7-29-86
DATE

