

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

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POLE DOLLY

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1. GENERAL

1.01 The pole dolly is for use principally in congested metropolitan areas for carrying poles to locations inside closed blocks and backyards, where the only access is through a narrow passageway which will not permit the passage of a truck or small pole trailer.

1.02 It may also be used in other locations such as right-of-way, an easement or an area where vehicles are prohibited.

2. SAFETY PRECAUTIONS

2.01 The dolly is designed with sufficient capacity to handle the heaviest pole normally used in telephone work. However, care should be taken to avoid dropping a pole upon it or subjecting it to other possible damage.

2.02 Do not leave the dolly unattended at locations where children may be apt to play with it or it might be stolen. Similar measures should be taken with regard to storage in yards or garages.

2.03 Due to the light weight of the dolly it should not be towed behind a vehicle under any conditions.

3. DESCRIPTION AND NAMES OF PARTS

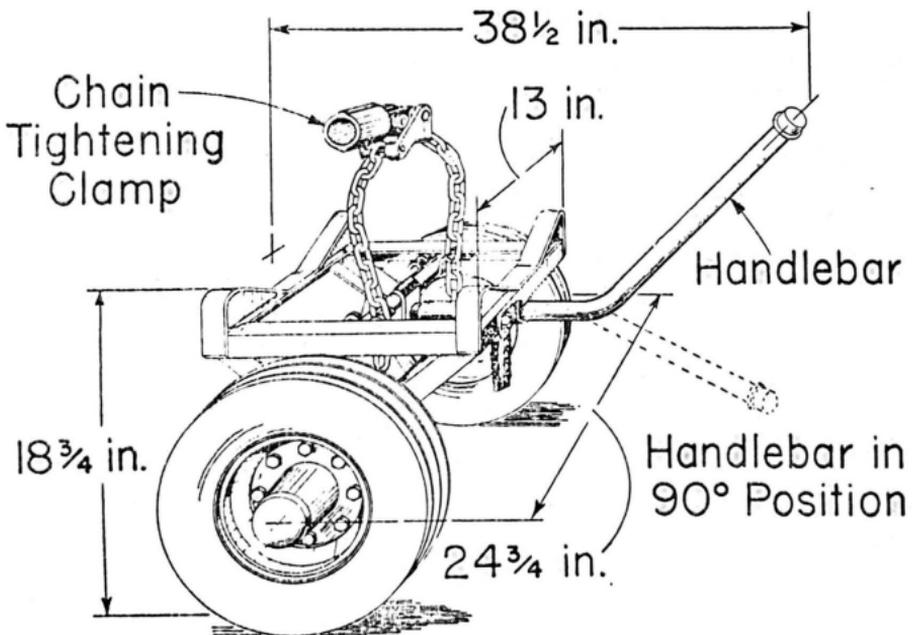
3.01 The pole dolly consists of a steel frame forming a platform mounted upon a steel axle equipped with a pair of pneumatic tired wheels. The dolly is 24-3/4 inches wide over

the wheel hubs and 18-3/4 inches high. With the removable handle bar in place the dolly is 38-1/2 inches long. With the handle bar removed the dolly is only 18 inches long.

3.02 A chain tightening clamp is attached to the frame for securing the pole to the dolly.

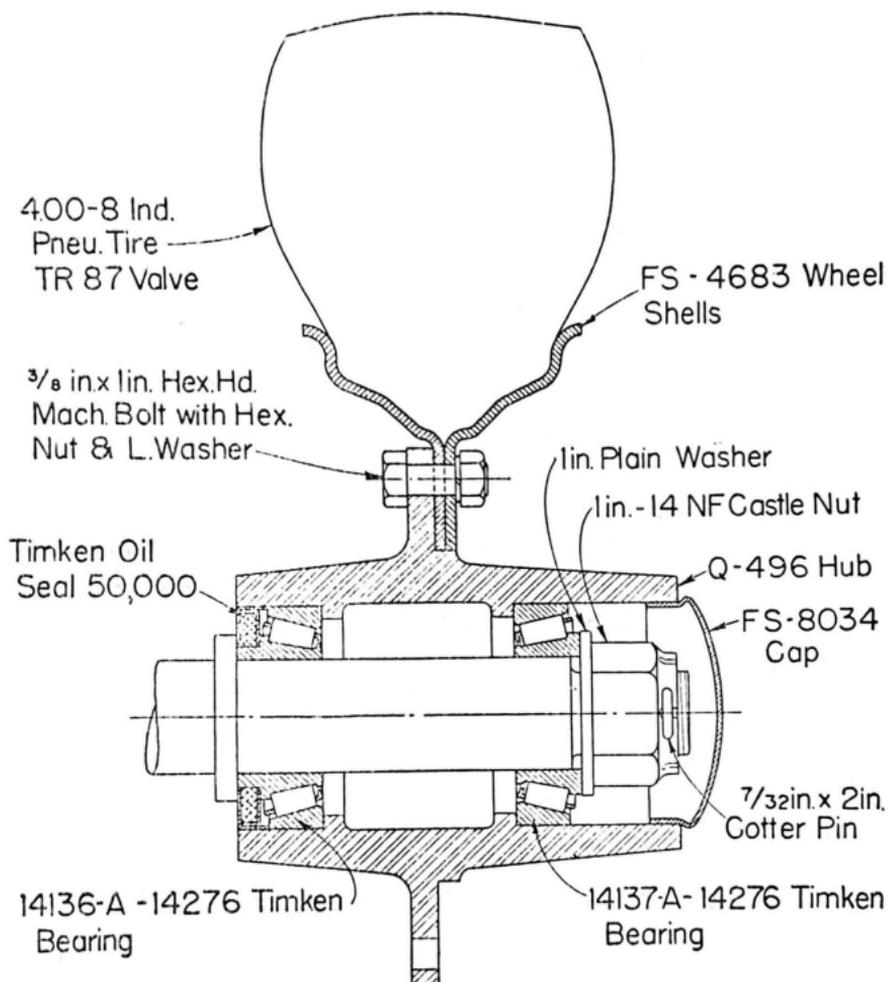
3.03 The handle bar is used for pushing the unloaded dolly and may be turned 90 degrees for use in pushing the dolly after a pole has been loaded on it. It is also for use as a lever for the chain tightening clamp.

3.04 The dolly is relatively light, weighing approximately 115 pounds complete and is small enough to permit carrying it on a pick-up truck or in the trunk compartment of most passenger cars. This feature is of advantage in the event it is desired to rotate the dolly between crews operating from different garages or headquarters.



3.05 The following illustration outlines the various parts which make up the wheel assembly. When repair parts are required they should be ordered as shown below.

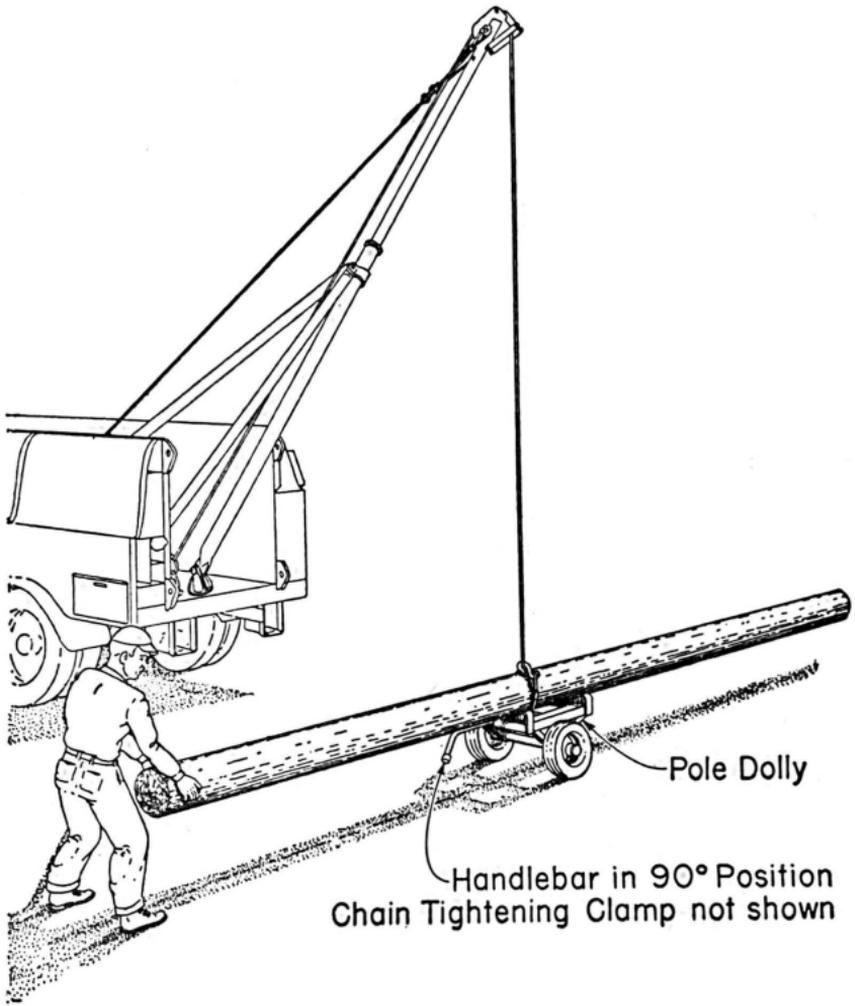
POLE DOLLY Wheel Assembly



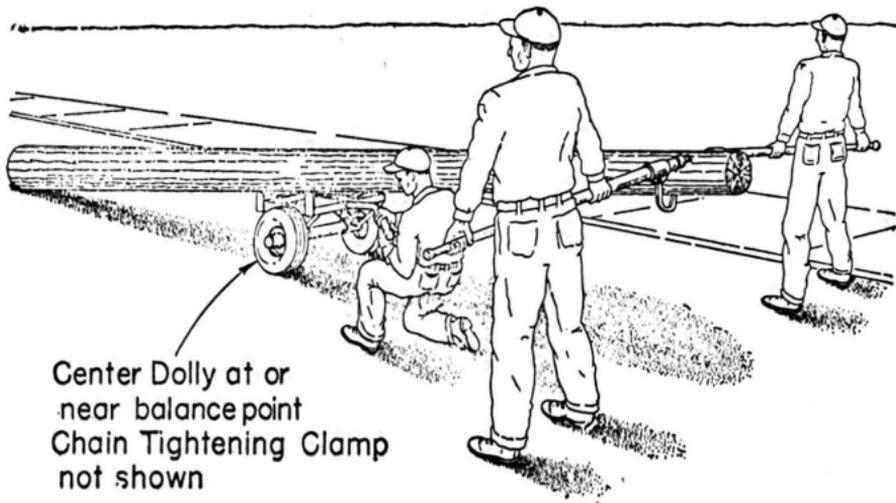
4. OPERATION

4.01 When loading a pole on the dolly the top of the pole should be lifted to a height which will permit a workman to wheel the dolly under it at or near the balance point of the pole.

4.02 If conditions permit a pole derrick should be used to raise the pole and place it in position on the dolly. The dolly handle bar should either be removed or have the bent portion in the horizontal or 90° position during this operation.



4.03 If a derrick can not be used the pole should be lifted by two or more men using peavies, cant hooks or carrying hooks to assist in the lifting operation.



Center Dolly at or near balance point
Chain Tightening Clamp not shown

4.04 After loading the pole secure it in place by means of the chain tightening clamp to avoid the possibility of it rolling from the cradle during transportation.

4.05 The chain of the tightening clamp should be adjusted by anchoring the binder chain to either of two hooks attached to the frame of the dolly. These hooks are offset to permit adjustment of the chain of approximately 1/2 link.

4.06 Use the handle bar as a lever for the chain tightening clamp.

4.07 After the pole has been secured remove the handle bar from the chain tightening clamp socket, replace it in the socket of the dolly frame and fasten it in place with the pin provided for this purpose. The handle bar should be replaced with the bent portion in the horizontal position so that it will afford a means for an additional workman to help push and control the loaded dolly.

4.08 After the pole has been transported to the desired location loosen the chain tightening clamp and remove it from the pole.

4.09 If conditions permit the pole should be lifted from the dolly as part of the pole erecting operation. If this is not possible the pole should be lifted by two or more men to permit removing the dolly from under the pole.

5. CARE AND MAINTENANCE

5.01 The dolly is equipped with 4.00 x 8 Industrial pneumatic tires which should be kept inflated at 60 pounds pressure for a 4-ply tire and 85 pounds for a 6-ply tire.

5.02 The tire rim consists of two steel wheel shells held together by eight 3/8 inch x 1 inch hexagonal head bolts. To replace or repair a tire proceed as follows:

(a) Remove the nuts from the bolts holding the rim together. Make sure not to lose the washer under the nut.

(b) Remove the outer shell from the tire.

(c) Remove the tire and tube from the inner shell. If the bolts remain in place it is not necessary to remove the inner shell from the wheel.

(d) The new or repaired tire should be placed on the rim by reversing the steps outlined above.

(e) When placing the tire on the rim be careful not to pinch or damage the inner tube.

(f) Make sure that the nuts with the washers under them are tightened securely before inflating the tire.

5.03 The wheels are equipped with Timken roller bearings. These bearings should be cleaned and examined at least once a year by a Motor Vehicle mechanic. Worn parts should be replaced and the bearings greased and adjusted. The grease retainer should be inspected at the same time to make sure that it does not permit grease to escape.

5.04 If repair parts are required they should be ordered as indicated in Part 3.

5.05 Repaint the dolly as required by appearance and degree of rusting. Painting should be done in accordance with local instructions.