

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G82.320.1
Issue 1, July, 1952
AT&T Co Standard

HAMMERS AND HATCHETS
DESCRIPTION AND MAINTENANCE

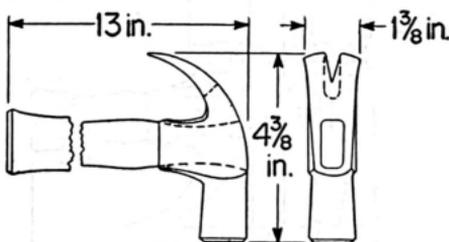
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1. GENERAL

1.01 This section covers the description and maintenance of the standard types of hammers and hatchets recommended for Bell System use.

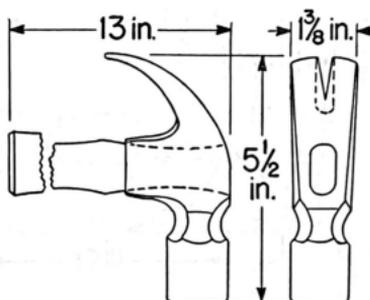
2. DESCRIPTION

2.01 **One Pound Claw Hammer** is intended for general use in connection with driving nails. This hammer shall not be used for striking masonry drills or chisels as the head is apt to chip.



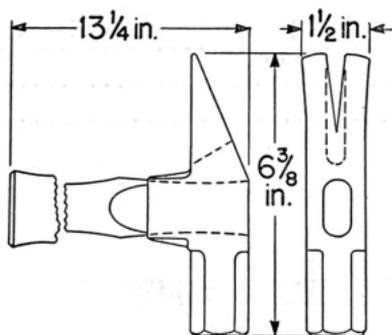
**1 POUND
CLAW HAMMER**

2.02 **One and One-Half Pound Claw Hammer** has a full curved claw with a heat treated head similar to that of a ball-peen hammer. It is suitable for light drilling operations. It is intended for use by the cable splicing forces in connection with drilling holes, removing cable sheath and beating in the end of sleeves.



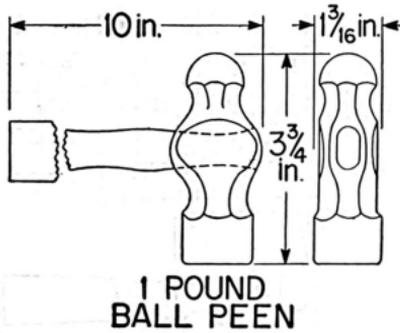
1 1/2 POUND
CLAW HAMMER

2.03 **Two Pound Claw Hammer** is a ripping claw hammer intended for use by the construction forces for general light construction work and for dismantling plant. This hammer shall not be used for striking masonry drills or chisels as the head is apt to chip.

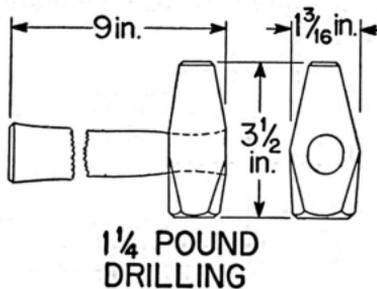


2 POUND
CLAW HAMMER

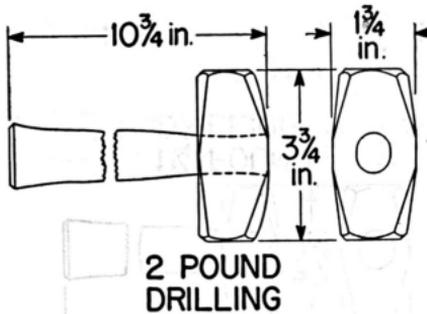
2.04 **One Pound Ball-Peen Hammer** is intended for use in shops and garages and in passenger car tool kits.



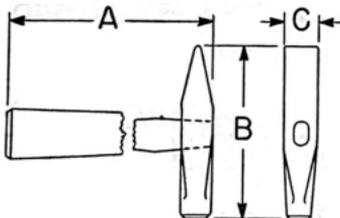
2.05 **One and One-Quarter Pound Drilling Hammer** is intended for use by the construction and installation forces for use with masonry drills and drill holders. The head of this hammer has a drilling face on one end and a tack hammer face on the opposite end to facilitate driving anchors and setting nails of the hammer drive anchors, particularly where the clearance is limited.



2.06 **Two Pound Drilling Hammer** is a double faced hammer intended for use with medium weight masonry drills and chisels. This hammer is too heavy for use with the standard small masonry drills and should not be used for drilling holes in brick walls for masonry anchors. This use could result in cracked or loosened bricks.



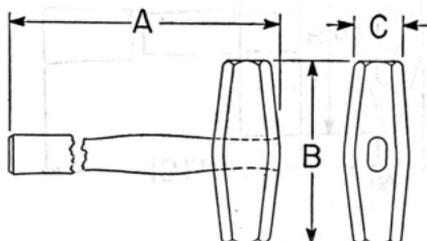
2.07 **Riveting Hammers** are available in four ounce, seven ounce and twelve ounce weights. The four ounce hammer is for the central office forces. The seven ounce hammer is intended primarily for use by the installation and repair forces but may also be used by the cable splicing forces for light operations. The twelve ounce hammer which has a tempered head is suitable for use with the large chipping knife.



Size	A	B	C
4 oz.	11 in.	$3\frac{5}{8}$ in.	$\frac{5}{8}$ in.
7 oz.	12 in.	4 in.	$\frac{3}{4}$ in.
12 oz.	$12\frac{3}{4}$ in.	$4\frac{1}{2}$ in.	$\frac{7}{8}$ in.

RIVETING

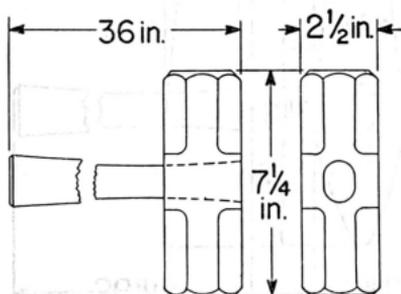
2.08 **Striking Hammers** are available in four pound and eight pound weights. The four pound hammer equipped with a 16-inch handle is intended for use by the construction forces in connection with drilling holes through walls and in floors and cutting pavement with chisels. This hammer is suitable for use with one hand. The eight pound hammer is similar but has a 32-inch handle. It is intended for use by construction forces in cutting asphalt or stone with chisels and drilling holes with the heavy rock drills for dynamite or rock anchors. This hammer must be gripped with both hands when in use.



Size	A	B	C
4 Pound	16 in.	6 in.	1½ in.
8 Pound	32 in.	7¾ in.	1⅞ in.

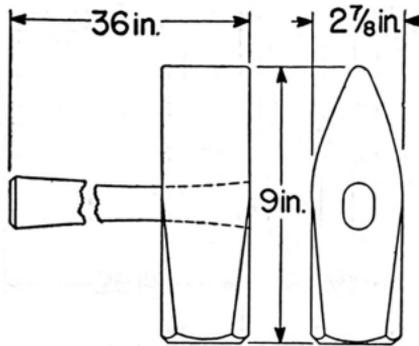
STRIKING

2.09 **Blacksmith's Sledge Hammer** is a ten pound hammer intended for use by the construction forces for heavy striking.



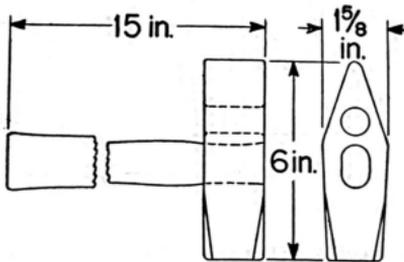
10 POUND
BLACKSMITH'S SLEDGE

2.10 **Stone Sledge Hammer** is a sixteen pound hammer intended for use by construction forces where very heavy striking is required. It may be used for breaking concrete.



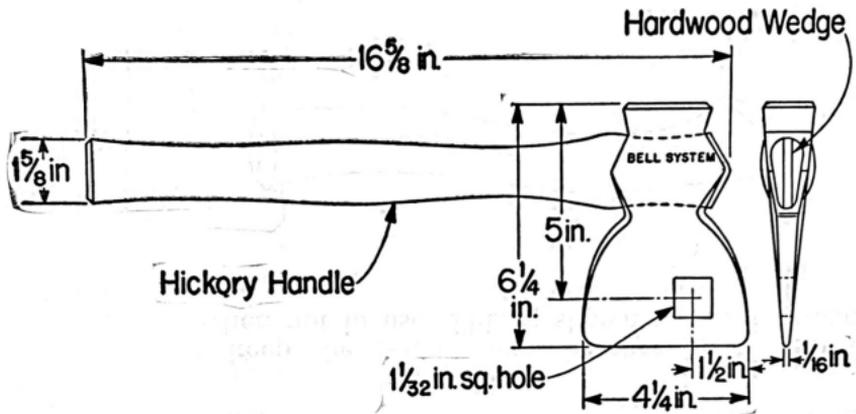
16 POUND
STONE SLEDGE

2.11 **Lineman's Hammer** is a three pound hammer having a striking face on one end and a straight peen on the opposite end of the head. The head is provided with a hole to facilitate straightening pole steps. It is intended for use by construction and installation forces in driving the heavier nails, lag screws, etc.



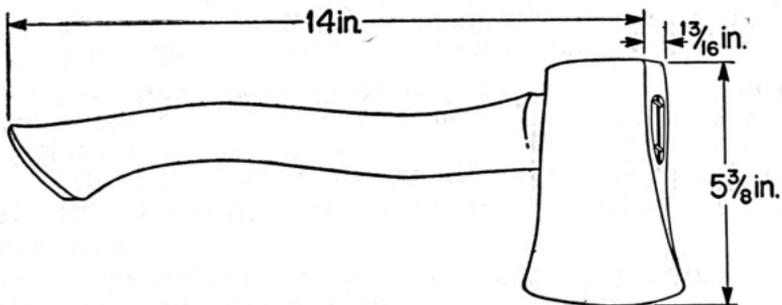
3 POUND
LINEMAN'S

2.12 **Lineman's Hatchet** is a modified three pound broad hatchet with a hickory handle for use as an alternative to the lineman's hammer in line construction work. It is **not intended for use as a cutting tool** and the blade has a blunt edge for safety. A square hole, in the outer corner of the blade is for use in holding the heads of 5/8 inch square head bolts and for straightening pole steps.



LINEMAN'S HATCHET

2.13 **One and One-Quarter Pound Hatchet** is a cutting tool of axe pattern. It is intended for use in pole inspection work and in general use where light chopping of wood is involved.



1 ¹/₄ POUND HATCHET

3. MAINTENANCE

3.01 Each employee shall inspect the hammers and hatchets he is using at intervals sufficient to assure himself that they do not have defects which might impair their usefulness or safe handling.

OL 3.02 Make sure the heads are not loose. If the wedge has worked up, tap the handle lightly to position the head, and then drive the wedge in further with a flat piece of steel. Improvised wedges such as nails, screws, etc., should not be used.

3.03 Inspect the heads of hammers and hatchets for the presence of burrs. Maintain a slight bevel around the striking faces of hammers and hatchets with a Whetstone. Replace all hammers having broken or chipped claws or chipped striking faces.

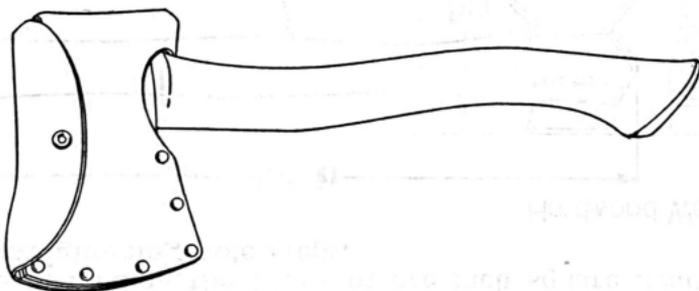
3.04 Keep the cutting edge of the 1-1/4 pound hatchet properly sharpened. A Grindstone (Whetstone) is the most satisfactory tool for sharpening the hatchet. If this is not available, the cutting edge may be touched up with a file. **Always keep this hatchet in its leather guard when not in use.**

3.05 Maintain the handles of hammers and hatchets smooth by sanding so that the hand may be slid along the handle without irritation. If the ends of the handle tend to become frayed, file a slight bevel around the edge with a rasp. Immediately replace all split or splintered handles.

3.06 Wipe the heads of hammers and hatchets occasionally with an oily rag.

3.07 Hammers and hatchets shall be placed in the proper compartment of the truck or other storage space when not in use.

3.08 Always keep the 1-1/4 pound hatchet in its leather guard when not in use. This is shown in the following illustration.



1 1/4 POUND HATCHET AND GUARD