

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G92.430.1
Issue 1, June, 1952
AT&T Co Standard

EARTH BORING MACHINE WINCHES

Contents	Page
1. General	1
2. Description	1
3. Use	3

1. GENERAL

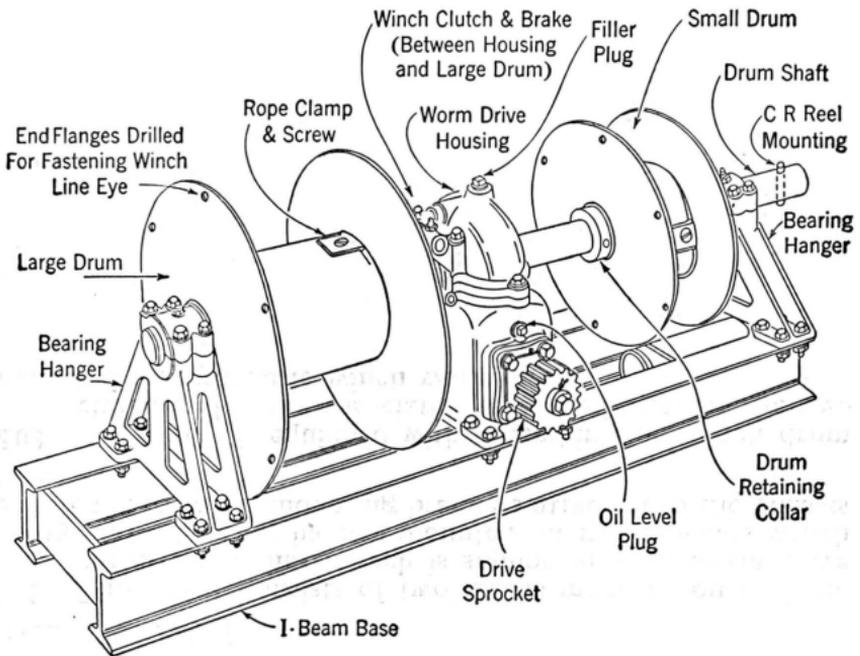
1.01 This section covers the HD-EB winch and the HC-EB winch which are used on trucks having earth boring machines and integral pole derricks.

1.02 This section replaces Section J6.754,—EB Power Winch.

2. DESCRIPTION

2.01 This winch consists of two drums mounted on a single winch drum shaft which is supported by a worm drive housing and a bearing hanger mounted on two I-beams which are fastened to winch mounting brackets attached to the chassis frame.

2.02 The winch is equipped with a combination winch drum clutch and brake associated with the larger of the two drums, and an automatic winch worm brake.



HD-EB WINCH

2.03 This is a two-drum winch. Both drums are mounted on the same shaft, the large drum can be made to free wheel by means of the winch clutch. The smaller drum is permanently fastened to the shaft. Therefore, when the large drum is driven the small drum must also rotate. The shaft is extended to the right side of the body so that a CR Reel may be used if required.

2.04 This winch is available in two sizes, depending upon whether it is to be mounted upon an earth boring machine truck equipped with an HC machine, or upon a truck bearing an HD machine. The winch is designated by its code as either an HC-EB, or an HD-EB winch.

2.05 The smaller of the two drums on each side of the winch is 6 inches long with 19-inch diameter flanges, and has an 8-inch diameter spool, or body. The HC-EB winch large drum is 16 inches long between 19-inch diameter flanges, with an 8-inch diameter spool. The large drum of the HD-EB winch differs only in that the drum is 12 inches long between the flanges.

3. USE

3.01 The Earth Boring Machine Winch was designed for use on trucks equipped with either HC or HD earth boring machines which have an integral pole derrick. The smaller of the two drums on the winch is intended to carry the fall line used with the pole derrick.

3.02 The larger of the two drums on the Earth Boring Machine Winch is intended for carrying a length of winch line suitable for placing cable. This drum is located toward the left side of the truck to prevent the winch line from fouling against either the clutch case, or intermediate boring case of the boring machine when pulls are made with this line.