

J. W. YOUNG.
EXTENSION BRACKET FOR FOUNDATIONS.
APPLICATION FILED FEB. 9, 1910.

1,007,511.

Patented Oct. 31, 1911.

Fig. 1,

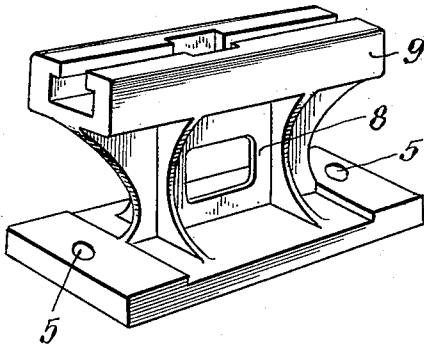


Fig. 2,

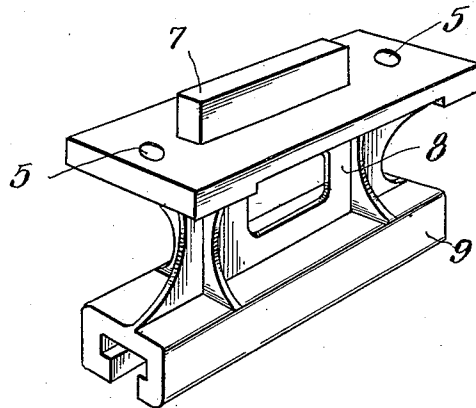


Fig. 3,

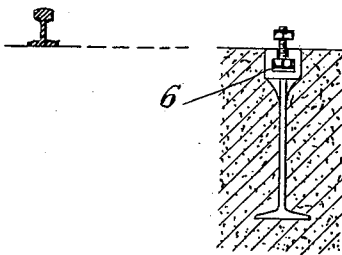
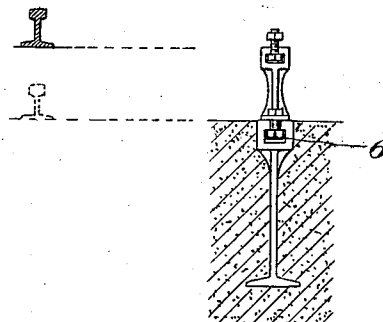


Fig. 4,



WITNESSES:

M. S. Kirkland
A. L. Vercill.

INVENTOR

Joseph W. Young

BY

H. E. Brown
His ATTORNEY

UNITED STATES PATENT OFFICE.

JOSEPH W. YOUNG, OF JERSEY CITY, NEW JERSEY.

EXTENSION-BRACKET FOR FOUNDATIONS.

1,007,511.

Specification of Letters Patent.

Patented Oct. 31, 1911.

Application filed February 9, 1910. Serial No. 542,924.

To all whom it may concern:

Be it known that I, JOSEPH W. YOUNG, a citizen of the United States, residing in Jersey City, Hudson county, New Jersey, have invented a certain new and useful Extension-Bracket for Foundations, of which the following is a specification.

My invention relates to extension brackets for increasing the height of foundations, and more particularly to brackets for foundations, such as are employed for mounting bell-cranks, compensators and similar apparatus in mechanical interlocking plants.

It frequently occurs in practice that the railway tracks in interlocking plants must be elevated above the original level at which the interlocking apparatus was applied. Where this elevation does not exceed two or three inches, it is customary to place "offsets" in the mechanical connections leading from the pipe-lines to the various switch and signal mechanisms, thereby maintaining these pipe-lines at a uniform distance below the rail level. When, however, the elevation of the track rails exceeds this amount, such a method becomes impracticable, and the elevation of the foundations becomes necessary.

This operation has heretofore involved considerable expense, and an object of my invention is to provide an extension bracket which may be secured by bolts or otherwise to the already existing foundation, and upon the top of which the cranks, compensators, and similar apparatus may be mounted.

I will describe a form of extension bracket embodying my invention, and will then point out the novel features thereof in claims.

In the accompanying drawings, Figure 1 is a view showing in perspective an extension bracket embodying my invention. Fig. 2 is a perspective view of the bracket shown in Fig. 1 inverted. Fig. 3 is a view showing in elevation a foundation in its normal position relative to the height of the track rail. Fig. 4 is a view showing in elevation an extension bracket applied to a foundation to bring the apparatus supported thereby to the proper position relative to the height of the track rail, the rail having been elevated above its original level.

Referring now more particularly to Figs.

1 and 2, the reference characters 5 designate bolt-holes by means of which the extension bracket may be secured to the already existing foundation, a vertically projecting tongue 7 being provided to fit into the slot of the original foundation. I have shown this tongue as a means of holding the bracket against lateral motion, although I do not desire to limit myself to its use in connection with a bracket embodying my invention. A web portion 8 serves as a support for a head portion 9, in which a slot is formed similar to the slot in the top of the already existing foundation. It will be seen that the extension bracket may therefore be bolted to the original foundation in place of the apparatus ordinarily mounted thereon, and that the said apparatus may then be bolted to the upper portion of the extension bracket in the usual manner. By the use of an extension bracket of this type, having a depth of six inches, it will be obvious that the tracks in any interlocking plant may be raised from three to nine inches above their original level without incurring an "offset" greater than three inches in the operating connections, and that where an elevation greater than nine inches is required, extension brackets of greater depth may be employed.

Although I have here shown only one form of extension bracket embodying my invention, I wish it to be understood that any form of bracket having a base portion adapted to be secured to an already existing foundation and an upper portion adapted to receive the desired apparatus, may be employed without departing from the spirit and the scope of my invention.

Having described my invention, what I claim is:

1. In combination with a foundation having in its upper face a slot with overhanging lips adapted to receive and hold therein the head of a bolt; an extension bracket comprising a base portion adapted to be secured by bolts to the foundation, and an upper portion having a slot with overhanging lips formed substantially similar to the upper face of the foundation.

2. In combination with a foundation having in its upper face a slot with overhanging lips for retaining the heads of bolts, an extension bracket comprising a base portion, a

top portion, and a webbed portion connecting the said top and base portions, holes in said base portion adapted to receive bolts for securing the bracket to the foundation,
5 and a slot with overhanging lips in the top portion of similar construction to the upper face of the foundation.

In testimony whereof, I have hereunto signed my name to this specification in the presence of two subscribed witnesses.

JOSEPH W. YOUNG.

Witnesses:

JOHN T. TAFFANY,
A. M. KELLY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."