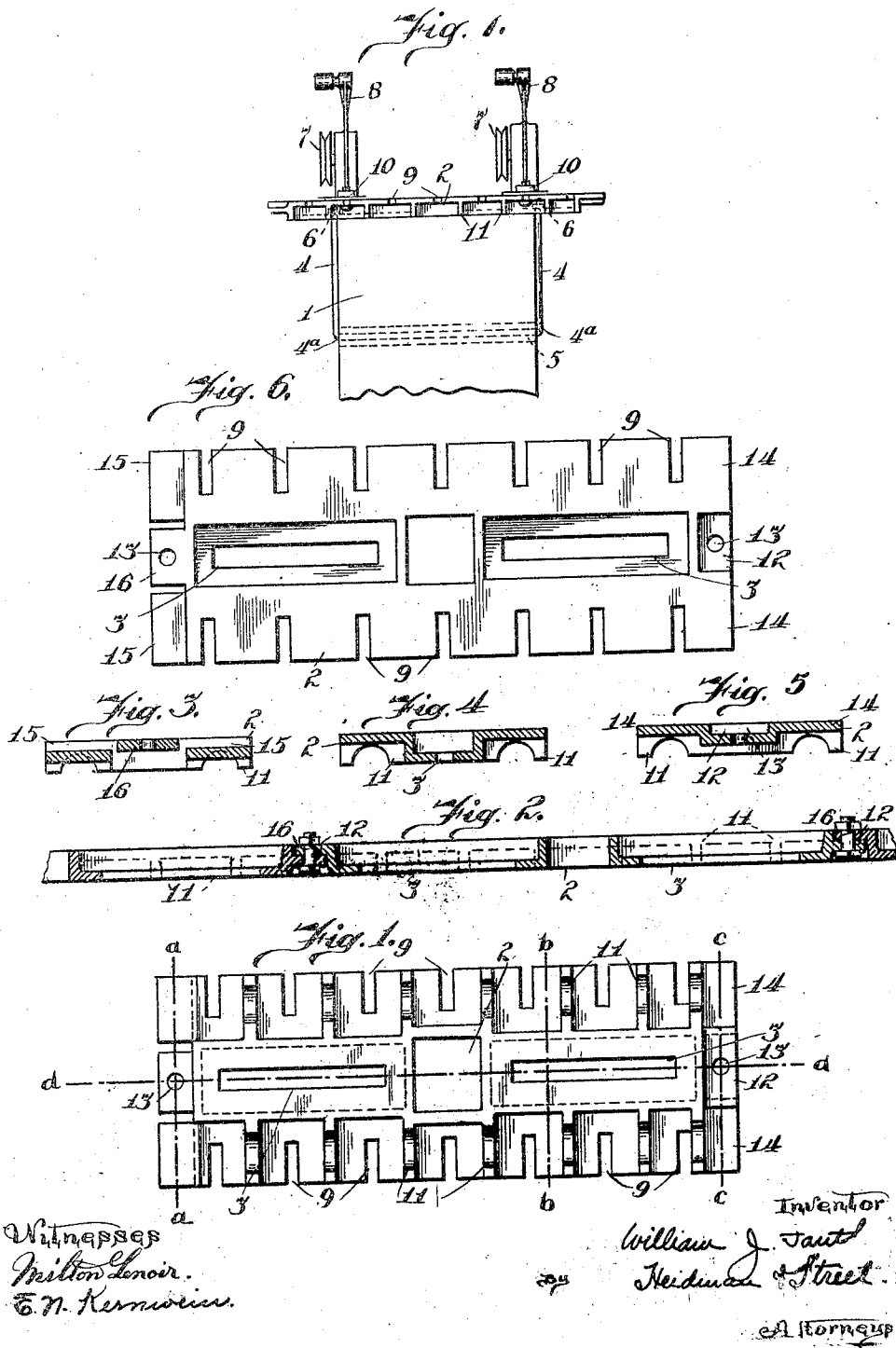


W. J. FAUTH.
 FOUNDATION TOP FOR PIPE CARRIERS.
 APPLICATION FILED OCT. 20, 1910.

Patented Dec. 17, 1912.

1,047,399.



UNITED STATES PATENT OFFICE.

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FOUNDATION-TOP FOR PIPE-CARRIERS.

1,047,399.

Specification of Letters Patent. Patented Dec. 17, 1912.

Application filed October 20, 1910. Serial No. 593,167.

To all whom it may concern:

Be it known that I, WILLIAM J. FAUTH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, am the inventor of certain new and useful Improvements in Foundation-Tops for Pipe-Carriers, the following being a detailed description of my invention, reference being had to the accompanying drawing, which forms a part of my application.

My invention relates to tops for use on foundations for supporting and carrying pipe carriers, the foundations being constructed of concrete or any other suitable material, the pipe carriers being especially intended for use in operating signals for railroads and the like.

One object of the invention is to produce a foundation top for pipe carriers which will be both strong and durable and capable of withstanding any severe strains, and the operation of which will not be affected by rain, snow, or other elements.

Another object of my invention is to provide a mechanism which can be adjusted and adapted for use on any pipe line and on any of the standard carriers; and which at the same time will be positive in its operation, as will more fully appear from the following detailed description.

Another object of my invention is to provide a type of foundation top which will permit the different sections thereof to be securely and adjustably fastened together by the means to be hereinafter described.

In the drawing:—Figure 1 is an inverted plan view disclosing my invention in the form of a metal foundation top adapted to be securely fastened onto any foundation of concrete or other material. Fig. 2 is a longitudinal central sectional view along the line *a—d* of Fig. 1 showing two or more foundation-top sections joined together, and disclosing the overlapping joints and the means of securing same together. Fig. 3 is a cross section of the top, on the line *a—b* in Fig. 1, disclosing the countersunk slots therein and the overlapping and underlying joints. Fig. 4 is also a cross section, on the line *b—b* of Fig. 1, and Fig. 5 is a cross section on the line *c—c* of Fig. 1, and showing the overlapping and underlying joints.

Fig. 6 is a top plan view of my metal foundation top; while, Fig. 7 is an end view of the top fastened to its foundations and showing pipe carriers adjustably secured to the top.

I have illustrated my invention as applied to a foundation 1 which is constructed, as before stated, of concrete or other suitable material, with a metal top 2 secured thereon.

3, 3, are countersunk slots which are so arranged as to receive the rods or bolts 4, 4, the lower ends of which are turned in or bent at approximately right angles so as to register with the ends 4^a of a pipe 5, shown in dotted lines, see Fig. 7, which passes through a portion of the foundation 1. It is to be noted that the slots 3, 3, are countersunk, or sunk below the level of the upper surface of the foundation top, so as to form seats for the nuts 6, 6, which are to be fastened on to the upper portions of the fastening rods 4, 4, which will permit of the top 2 being adjusted from its sides, without in any way interfering with the pipe-carrying wheels or pulleys 7, 7, which are secured to the carriers 8; thus permitting the pipes to be adjusted or alined after the foundations are put in position.

The foundation top 2 contains and is formed with a plurality of transversely extending slots or apertures 9 on both of its side edges; these slots or apertures being the purpose of retaining or holding carrier bolts 10, 10; the slots or apertures being formed with their one end open in order that my improved foundation top may be capable of adjustment to any of the standard pipe carriers. Ribs or parts 11, see Figs. 2 and 7, are cast on the lower surface of the foundation top to reinforce and keep the top securely fastened onto its foundation.

At one end of the foundation-top I provide an extension or projection 12 with a bolt hole 13 therethrough, and to either side of said extension 12, and located in a plane higher than said extension, I employ the contact surfaces or extensions 14, 14, which are so constructed that the under sides thereof receive the corresponding upper surfaces or faces of the projections 15, 15 located at the opposite end of another section of a foundation-top, the projections 15 being adapted to be overlapped by the projections

14, 14, while the extension or projection 16 registers with and overlaps a countersunk portion 12 which contains a similar bolt hole 13 and is formed in that end of the foundation-top opposite to the extension 16; that is to say, each foundation-top section contains the parts 12, 13 and 14 in one end thereof, and the parts 16, 15 and 13 in the other end thereof, so that when two of these sections are placed together by means of the overlapping parts, as heretofore described, the sections will be firmly secured together; which may be accomplished in any suitable manner, such as by bolts passing through the apertures 13 and secured in position by means of the usual nuts and washers.

Heretofore it has been the custom to employ foundation-tops which do not contain any of these overlapping joints or parts, the ends of the sections being placed flush up against each other in order to form as tight a joint as possible between them; whereas, it is perfectly clear that by employing my improvement, two or more sections may be securely and adjustably fastened together end for end in such a manner as to obtain a uniform spacing of the parts, that is to say, the pipes and carriers. Furthermore, where it was desired to employ three or more foundation-tops it was heretofore necessary to employ three or more foundations, that is, one foundation for each top in order to properly support the foundation-tops, while with my improvement it is necessary in such a case to employ but two foundations, as the overlapping joints, with their rigid bolt and nut connections, will hold the sections firmly in place without necessitating the same number of foundations or supports heretofore put in use; thus it will be clearly seen that by the use of my improved device it will be possible to obtain the same or even better results with much greater economy.

It is clear from the foregoing that the said foundation-tops may be constructed of any desired size and may be provided with any number of countersunk slots 3, together with any number of transversely extending apertures 9.

I have shown and described a preferred form of my foundation-top which it is clear may be modified or changed in a number of minor details without departing from the spirit of my invention, and I do not desire to restrict myself to the specific construction shown and described herein, but

What I do claim as my invention and desire to secure by Letters Patent is:—

1. In combination with a foundation provided with a pipe opening through its opposite sides and a pipe carrier thereon, a foundation-top provided with countersunk apertures, rods secured in said apertures, the lower ends of said rods being bent so as to engage with the pipe ends, reinforcing

ribs or parts integral with the under surface of said top, a plurality of lateral extensions having spaces between the same and forming bolt-receiving slots, said top being provided with projections adapted to register with the projections of another foundation top to form a tight joint.

2. The combination of a concrete foundation provided with a pipe whose ends project from opposite sides of said foundation, with a metal top having therein countersunk slots with bolts passing therethrough and nuts on said bolts, the lower ends of said bolts registering with the pipe ends so as to retain the top firmly in place, and means for securing one top to another.

3. As an article of manufacture, a foundation top provided with a plurality of lateral projections spaced apart to provide bolt receiving slots, countersunk portions in said top provided with one or more openings to permit of adjustment lengthwise of the top, and projections at both ends of the top, the projection at one end comprising a central portion flush with the upper face of the top and portions on both sides of said central portion arranged in a horizontal plane beneath that of the central portion, while the projection at the opposite end of the top comprises a central portion arranged in a horizontal plane beneath the upper face of the top with the portions on opposite sides of said central portion arranged flush with the upper face of the top.

4. A foundation top for pipe carriers provided with one or more longitudinally extending countersunk portions having one or more bolt-receiving openings therein, a plurality of lateral projections spaced apart to provide bolt-receiving slots, and projections at both ends of the top, the projection at one end being composed of a central portion flush with the upper face of the top and portions on both sides of said central portion arranged in a horizontal plane beneath that of the central portion, while the projection at the opposite end of the top consists of a central portion arranged in a horizontal plane beneath the upper face of the top and portions on both sides of the central portion arranged flush with the upper face of the top, the central portions of said projections being provided with bolt-receiving apertures whereby the articulating ends of two or more tops may be secured together.

5. As an article of manufacture, a foundation top provided with one or more longitudinally extending countersunk portions having one or more bolt-receiving openings therein arranged to receive fastening means whereby the tops are held in place, the lower face of the top being provided with reinforcing ribs, a plurality of projections spaced apart so as to provide bolt-receiving slots, and projections at both ends of the

top, the projections at both ends being composed of a central portion and two side or adjacent portions, the central portion being arranged in a different horizontal plane from that of the side or adjacent portions.
5 with the portions at one end occupying different horizontal planes from those occu-

ried by the respective portions at the other end of the top.

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Witnesses:

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