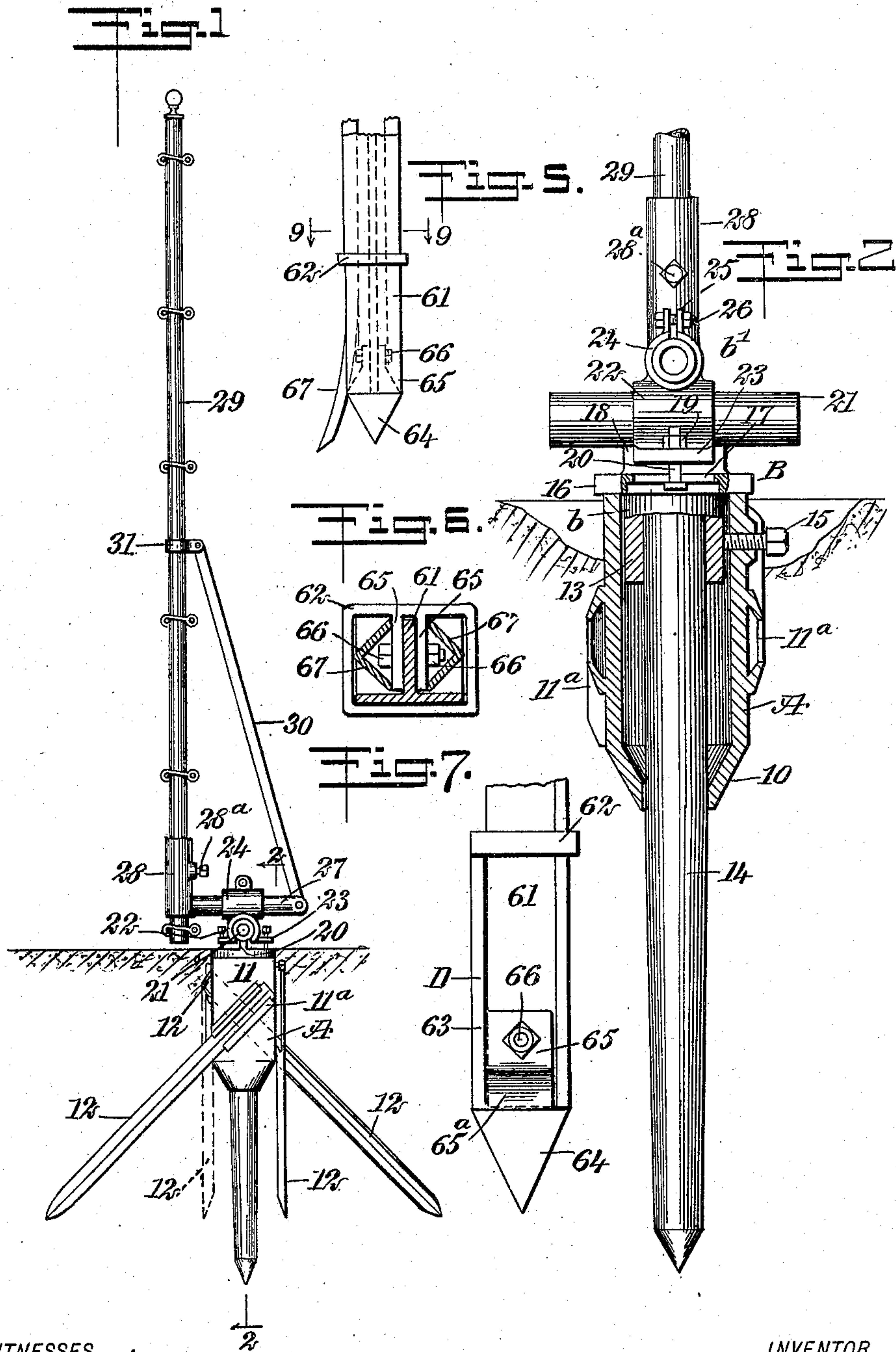


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APPLICATION FILED JAN. 11, 1908.

919,807.

Patented Apr. 27, 1909.

2 SHEETS—SHEET 1.



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Fig. 3.

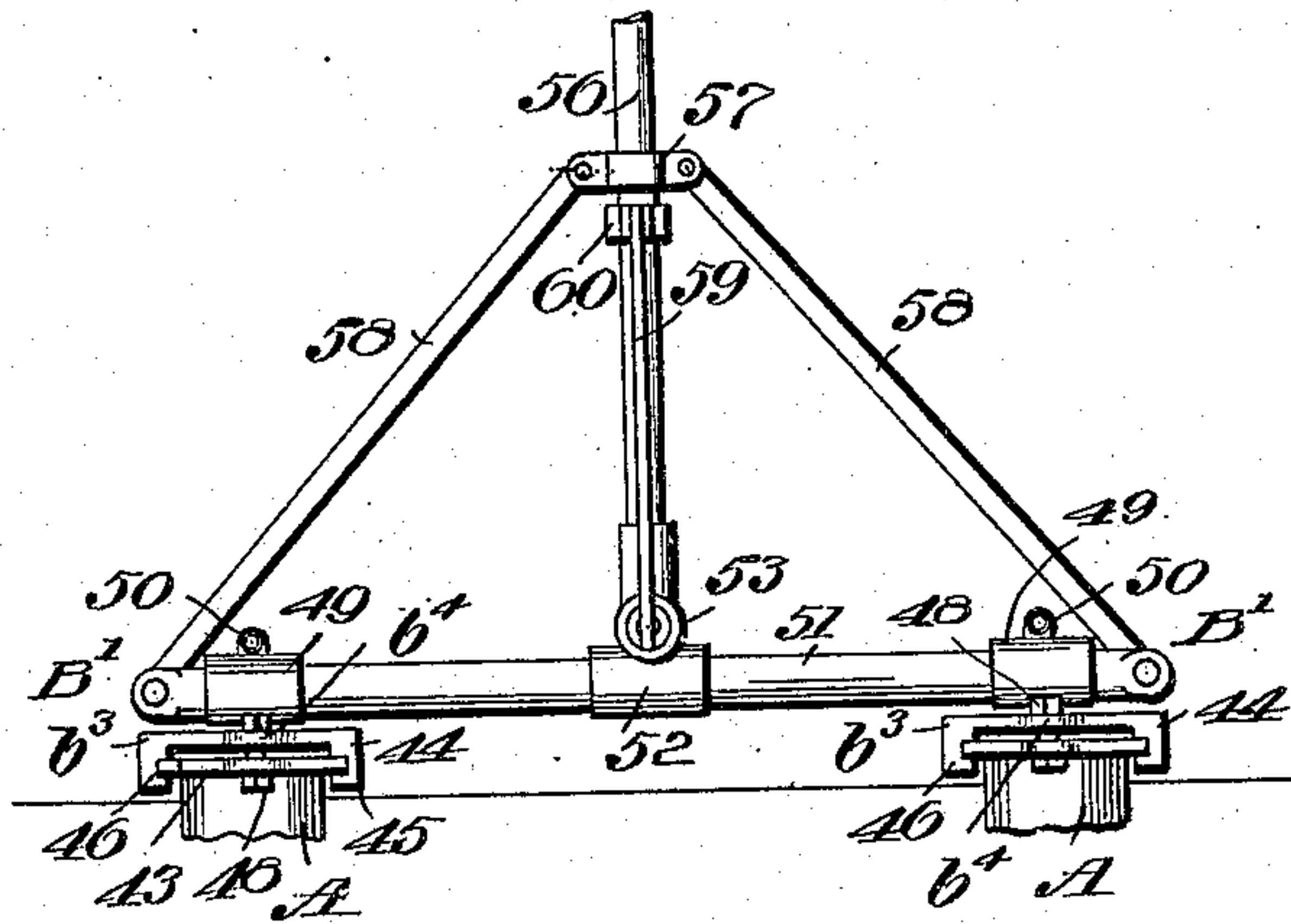
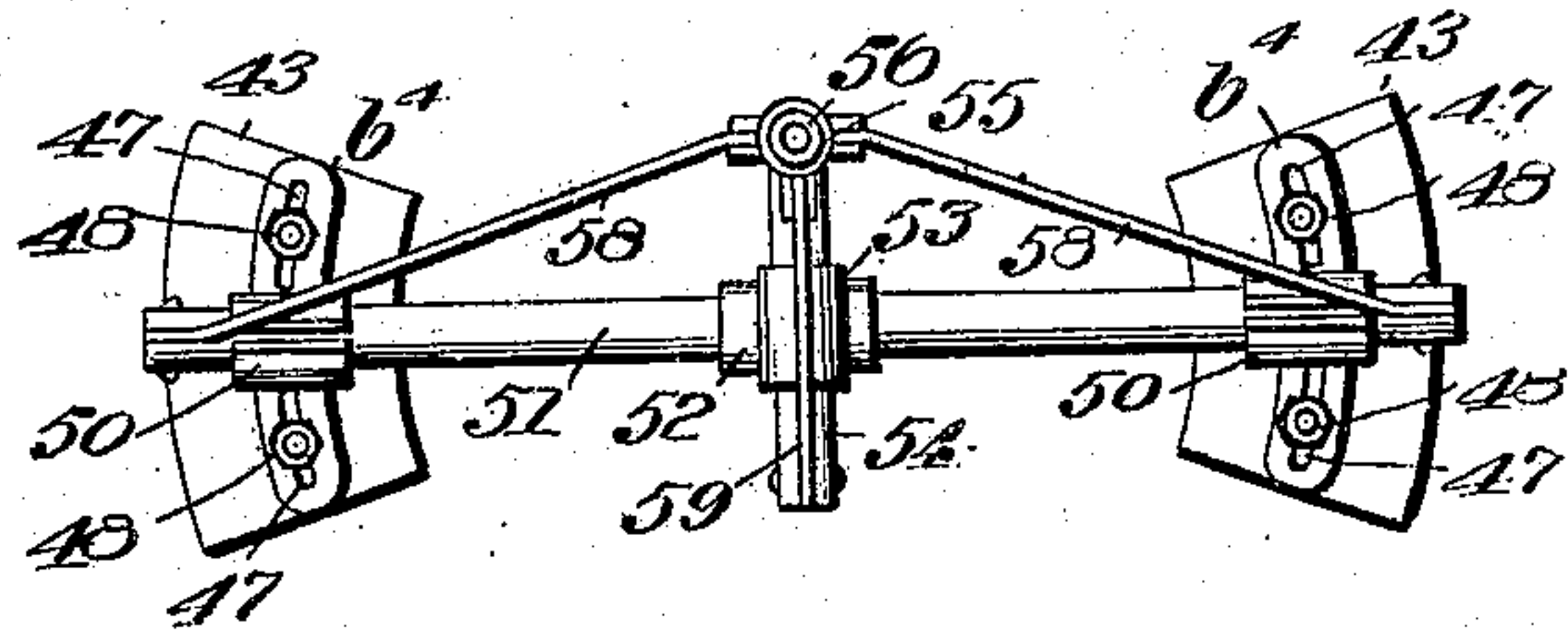


Fig. 4.



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UNITED STATES PATENT OFFICE.

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ANCHORING-BASE FOR POSTS.

No. 919,807.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed January 11, 1908. Serial No. 410,355.

To all whom it may concern:

Be it known that I, PERCY TRIPP BAILEY, a citizen of the United States, and a resident of Middletown, in the county of Newport and State of Rhode Island, have invented a new and useful Improvement in Anchoring-Bases for Posts, of which the following is a full, clear, and exact description.

The purpose of the invention is to provide an anchoring base of simple and durable construction, capable of being readily placed in position, and one wherein when the base is in position that portion which is within the ground, will be firmly and immovably anchored, while that portion above the ground, and which is adapted to receive the post, will admit of vertical adjustment of the post and also lateral adjustment of the post in any direction necessary to bring it in proper alinement.

It is also a purpose of the invention to provide a base of the character described especially adapted for use in connection with fence and gate posts, but which is equally adaptable to posts of all kinds that are to be supported above the surface of the ground.

The invention consists of the novel construction and combination of the several parts as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the improved base represented as anchored in the ground and as supporting a post; Fig. 2 is an enlarged vertical section taken practically on the line 2—2 of Fig. 1; Fig. 3 is a side elevation of the double anchoring base; Fig. 4 is a plan view of the same; Fig. 5 is a side elevation of the lower portion of a modified form of anchoring medium for the base; Fig. 6 in an enlarged horizontal section taken on the line 9—9 of Fig. 5; and Fig. 7 is an enlarged side elevation of the anchoring device shown in Figs. 8 and 9, but illustrating a base at right angles to that shown in Fig. 8.

In the form of the device shown in Figs. 1 and 2, it consists of a body portion A and a cap B. The body is polygonal in cross section and is hollow, being provided preferably with four flat sides, as is indicated in Fig. 1, and the lower end 10 of the said body A, is made to taper, and the body is rounded at its bottom. The said body A is provided

upon its flat sides 11 with dovetailed sockets 11^a and the sockets of opposing sides of the body A incline downwardly, but in opposite directions, as is best shown in Fig. 1. Each of these dovetailed sockets 11^a is adapted to receive an anchoring arm 12, the said arms being driven into the ground through the said sockets from a point above, and when these arms are in the sockets and have been suitably driven the arms enter the ground, and they are then riveted or otherwise secured in the sockets, each pointing in an opposite direction, and thus effectually preventing said device from wobbling or from being accidentally withdrawn from the ground or loosened. The cap B is in two members, a lower member *b* and an upper member *b'*. The lower member *b* of the cap B consists of a tube 13 that is adapted to be fitted in the upper end portion of the body A, and this tube receives the upper or head end of the anchoring spike 14, which is preferably round in cross section, and made to taper in direction of its lower end, said lower end being pointed, as is illustrated in Fig. 2. If desired, the tube 13 may be attached directly to the spike 14. This anchoring spike may be held in the tube in any suitable or approved manner; in the drawings, set-screws 15 are employed for the purpose, but the spike may be held in the body by means independent of the cap B. The upper end of the tube 13 is closed by an integral plate 16 that has slots 17 therein at each side of its center, and a web 18 is carried up from the central portion of the plate 16, the said web being integral with the said plate, and at the top of the said web a driving bar 21 is cast integral therewith. The upper member *b'* of the said cap B consists of a clip 22 that is fitted over the central portion of the driving bar 21, and this clip is provided at its end portion with flanges 23, and the clip is held in position on the lower member *b* of the said cap by bolts 20 that are passed through the slots 17 upward and through suitable openings in said flanges 23, the said bolts being provided at their upper ends with nuts 19, as is shown in both Figs. 1 and 2. A split sleeve 24 is cast integral with the clip 22 at its top, and when the clip 22 is in position on the driving bar 21, the sleeve 24 is at right angles to said bar, and this sleeve 24 is provided with opposing ears 25 that are drawn together by a suitable bolt 26.

The sleeve 24 is adapted to receive a hori-

zontal adjusting bar 27 that is passed through it, as is particularly shown in Fig. 1, and this horizontal adjusting bar 27 has made integral therewith, or attached thereto, a vertical socket 28, through which the lower end of the post 29, that is to be supported, is passed, and the said post is braced by means of a brace-bar 30 that is pivoted to the free end of the adjusting bar 27 and is carried upward and pivoted to a clip 31 that loosely surrounds the post 29, and in placing the anchoring base in position, a hole is dug, suitable to receive the body A, then the member b' of the cap is removed from the lower member b , and the said lower member, with the attached spike 14, is then made to enter the body A, and by means of a hammer or other tool the driving bar is struck until the said spike 14 has entered the ground as far as possible, or until the cover plate 16 engages with the upper edge of the body A, then the clip 22 is secured to the driving bar 21, and the horizontal member 27 extending from the socket 28 is passed through the split sleeve 24 carried by the clip, and the post 29 is placed in position and is held by means of a set-screw 28^a or like means.

It will be observed that by loosening the nut 26 on the split sleeve 24 the adjusting bar may be carried inward or outward, as occasion may require, to obtain a suitable alinement of the fence, or that the post may be rocked in direction of either side, and furthermore, by loosening one or the other of the bolts 20, the upper portion of the cap can be tilted in either direction, thus providing for the adjustment in any direction. It may be here stated that after the body A has been placed in position in the ground, and the cap has been secured thereto, the anchoring arms 12 are driven down into the ground through the sockets 11^a.

In the double construction of anchoring base shown in Figs. 3 and 4, the bases are placed opposite each other at a suitable distance apart. The body portions A of the said anchoring bases are of the same construction as is illustrated in Fig. 2, except that said body portions A may be made cylindrical instead of rectangular in cross section, as is illustrated in Fig. 1. Furthermore, the cap plate 43, corresponding to the plate 16 shown in the construction in Figs. 1 and 2, is segmental, as is particularly illustrated in Fig. 4, and this cap plate 43 may be secured directly to the body A of the anchoring base, or may be cast integral therewith. The cap section B' for this form of anchoring base, consists of a spider member 44, or is provided with an arm b^3 that extends transversely of a cap plate 43, and an integral arm b^4 , that extends longitudinally of a cap plate, and has a curvature corresponding to the curvature of said plate, as is shown in Fig. 4. The member b^3 of a cap section B',

is provided with downwardly extending arms 45, and these arms 45 are provided with recesses 46 that receive the opposing longitudinal edges of a cap plate 43, as is best shown in Fig. 3, thus permitting the spider member 44 to have adjustable movement upon the cap plate with which it engages. The part or arm b^4 of a spider member 44 is provided with slots 47, and bolts 48 are carried down through said slots and into the cap plate beneath the said spider member so as to provide a fastening means when an adjustment has been made. A sleeve 49 is made integral with the upper central portion of the spider member 44, and this sleeve extends longitudinally of the cap plate and is split, and is held together at its split portion by a suitable bolt 50. When the anchoring bases are in position, a bridge bar 51 is passed through the sleeve 49, extending out therefrom, and when the bridge bar 51 has been adjusted it is held in place by the aforesaid bolts. At the central portion of the bridge bar 51, a split sleeve 52 is loosely mounted, and on this sleeve 52 a second split sleeve 53 is located, its split portion being held together by a suitable bolt or bolts, and the upper sleeve 53 is at right angles to the lower sleeve 52 and to the bridge bar 51. The upper sleeve 53 receives a horizontal adjusting bar 54, corresponding to the bar 27 shown in Fig. 1, and this adjusting bar 54 at one of its ends is integral with or attached to an upwardly extending socket 55, in which socket the lower end of the post 56 is received. A collar 57 is loosely mounted upon the said post 56, and braces 58 are pivotally attached to offsets from the said collar 57, which braces are pivotally attached to the end portions of the bridge bar 51, as is shown in both Figs. 3 and 4. In addition to the brace 58, another brace 59 is employed, that is pivotally connected with a second collar 60 loosely mounted on the post below the collar 57, as is particularly shown in Fig. 3, and this third brace 59 is pivotally attached to the free end portion of the adjusting bar 54. Thus it will be observed that a double support is provided for the post 56, the post being located between the anchoring bases, and that any desired adjustment may be obtained for the said post 56. It may be here remarked that while the body portions A of the anchoring bases are shown cylindrical in Fig. 3, they may be, and sometimes preferably are, made rectangular so as to more properly receive the anchoring arms 12, which also accompany this type of base. The form of base shown in Figs. 3 and 4 is particularly adapted for use in connection with gate posts, or posts that have to sustain considerable lateral strain.

In Figs. 5, 6, and 7, I have illustrated a modified form of spike which is a substitute for the round type of spike 14 shown in Figs. 1 and 2. The modified form of spike

61 is T-shaped in cross section, as is shown in Fig. 6, and is surrounded at a point adjacent to its lower end with a band or collar 62, and a plate 63 integral with said collar extends down from one side to an engagement with the outer edge of the web section of the said T-shaped spike, as is illustrated best in Fig. 7, and at the lower end of this plate 63, a pointed section 64 is attached or made integral with the said plate, and when the parts just described, which constitute a casing D, are placed upon the T-shaped spike 61, the end of the spike rests upon the upper face of the pointed lower member 64. This casing D is held in place by means of ears 65 that are made integral with the plate 64, and with the upper surface of the lower pointed member 64, and the said ears 65 are secured to opposing sides of the web member of the said T spike, as is particularly shown in Fig. 6, and as is illustrated in Figs. 5 and 7, the lower outer portions 65^a of the said ears 65 are inclined downwardly and outwardly. Bolts 66 are employed to secure the said ears 65 to the said spike 61. When this form of spike is employed, angular anchoring arms 67 are also used, and these arms are driven down through the space between the sides of the web member 61 of the spike, and the band 62, and as these anchoring arms, are thus driven, when they reach the inclined surfaces 65^a of the said casing D, the anchoring arms at their lower ends are curved outward necessarily in opposite directions, as is indicated in Fig. 5 and serve to anchor the spike in the ground. This form of the device is very useful in certain characters of soil, and constitutes as good an anchorage as the form of anchorage illustrated in Figs. 1 and 2.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. An anchoring base for posts, comprising a body, an adjustable cap on the body, and a post support adjustably mounted on the cap.

2. An anchoring base for posts, comprising a body, a cap for the body, formed of sections adjustably connected together, and an adjustable post support carried by one of the sections of the cap.

3. An anchoring base for posts, comprising a body, a removable cap for the body, formed of sections adjustably connected together, a post socket, and means for adjustably mounting the post socket on one of the sections of the cap.

4. An anchoring base for posts, comprising a body, an anchoring spike projecting through the body, an adjustable cap for the body, and carrying the spike, and an adjustable post support mounted on the cap.

5. An anchoring base for posts, comprising

a body, anchoring devices for the body, an adjustable cap for the body, a spike carried by the cap and projecting through the body, and an adjustable post socket carried by the cap.

6. An anchoring base for posts, comprising a body, anchoring devices for the body, a sectional cap for the body, a spike carried by the lower cap section and projecting through the body, and a post socket adjustably mounted on the upper cap section.

7. An anchoring base for posts, comprising a body, a cap adjustably mounted on the body and formed of sections adjustably connected together, a spike carried by the lower cap section and projecting through the body, a post socket, and means for adjustably mounting the socket on the upper cap section.

8. An anchoring base for posts, comprising a body, a cap formed of two sections, the lower section having a tubular portion projecting into the body and the upper section a sleeve, means for adjustably securing the cap sections together, and a post socket adjustably secured to the sleeve.

9. An anchoring base for posts, comprising a body, a cap secured to the body and formed of two sections, the lower section having a tubular portion projecting into the body and the upper one a sleeve, means for securing the sections together, a spike projecting into the tubular portion of the lower cap section, and a post socket having a lateral projecting member adjustably secured in the said sleeve.

10. An anchoring base for posts, comprising a body, anchoring devices for the body, a cap formed of two sections, the lower section having a driving member and a tubular portion projecting into the body and the upper one a sleeve, means for adjustably securing the cap sections together, means for securing the lower cap section to the body, a spike fitting in the tubular portion of the lower cap section and projecting through the body, and a post socket having a horizontal member adjustably secured in the sleeve of the upper cap section.

11. The combination of a body, and a cap therefor, said cap comprising a lower section secured to the body and having a driving member, and an upper post carrying section having a clip engaging the driving member of the lower section and secured to the body portion of said lower section.

12. The combination of a body, and a cap therefor, said cap comprising a lower section having a bar like driving member and a tubular portion projecting into the body and secured thereto, and an upper section having a sleeve and a clip engaging the center of the driving member and secured to the body portion of the said lower section.

13. The combination of a body, a cap

therefor, comprising an upper and lower section, the lower section being secured to the body and having a driving member and a cylindrical member projecting into the body, and the upper section being provided with a clamping sleeve and a clip engaging the driving member and adjustably secured to the body of the lower section, and a post socket having a member adjustably held in the clamping sleeve.

14. The combination of a body, a cap secured to the body and provided with a sleeve, a post socket having a horizontal member slidably mounted in the sleeve, and means for clamping the member in said sleeve.

15. The combination of a body, a cap secured to the body and having a sleeve, a post socket having a horizontal member slidably mounted in the sleeve, means for securing the member in the sleeve, a post in the socket, and a brace secured to the post and to the end of the arm of the post socket,

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

PERCY TRIPP BAILEY.

Witnesses:

RUTH D. PECKHAM,
JOHN T. B. PECKHAM.