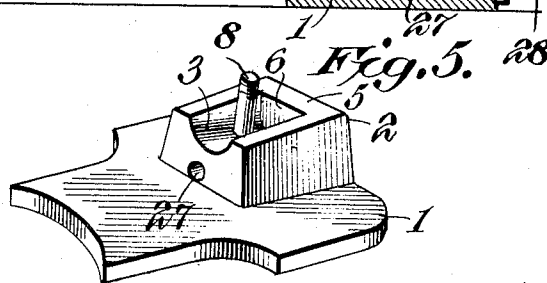
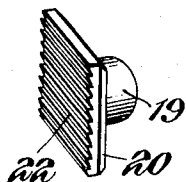
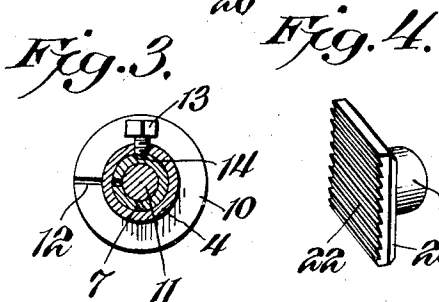
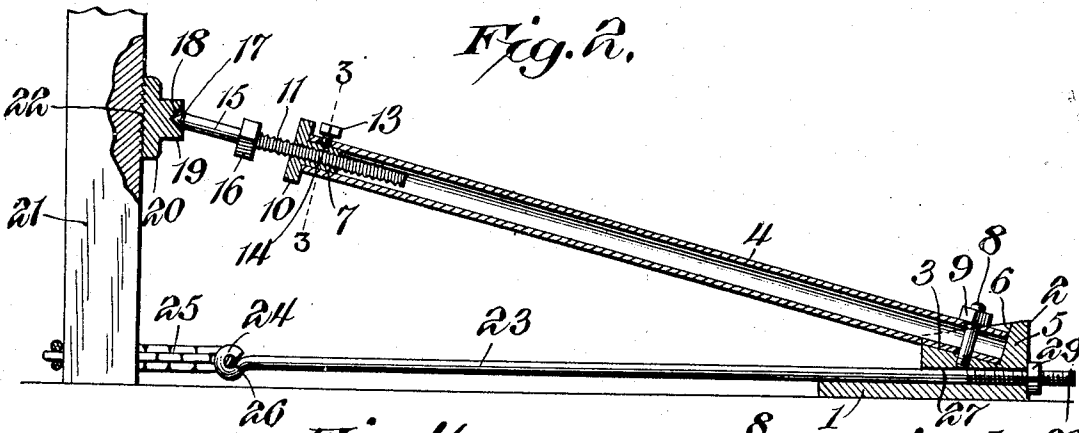
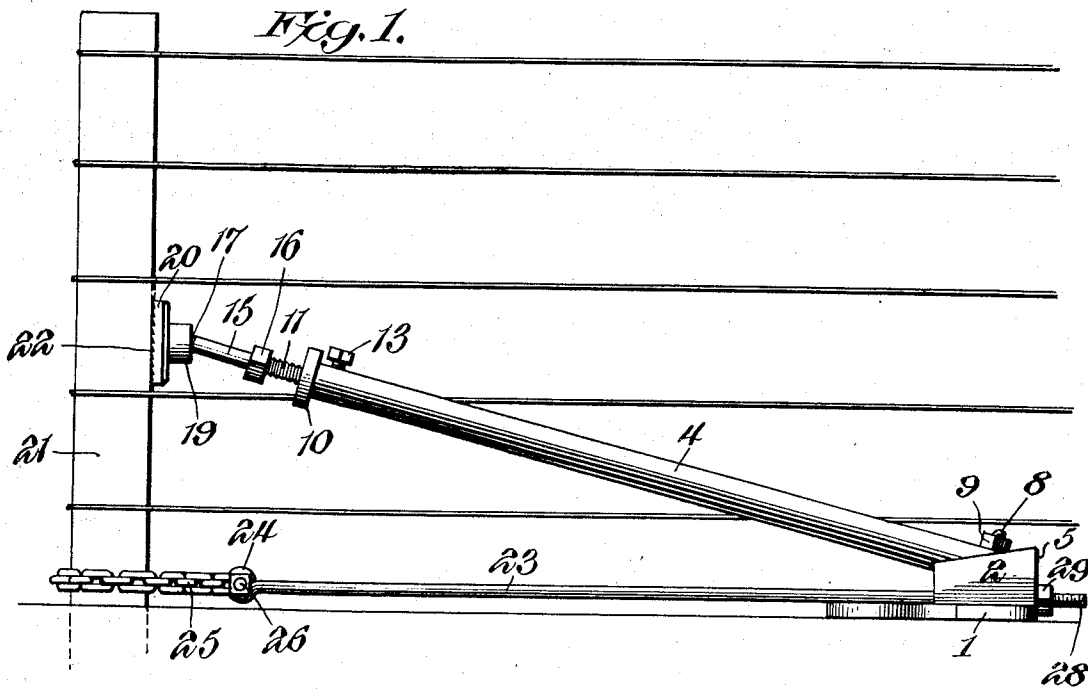


G. SCHNEIDER.
FENCE BRACE.
APPLICATION FILED AUG. 6, 1908.

942,592.

Patented Dec. 7, 1909.



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GOTTLEIB SCHNEIDER, OF BLUFFTON, INDIANA, ASSIGNOR OF ONE-HALF TO LA
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FENCE-BRACE.

942,592.

Specification of Letters Patent.

Patented Dec. 7, 1909.

Application filed August 6, 1908. Serial No. 447,303.

To all whom it may concern:

Be it known that I, GOTTLIEB SCHNEIDER, a citizen of the United States, residing at Bluffton, in the county of Wells and State of Indiana, have invented a new and useful Fence-Brace, of which the following is a specification.

The invention relates to improvements in fence braces.

10 The object of the present invention is to improve the construction of fence braces, and to provide a simple, strong and durable fence brace of comparatively inexpensive construction, adapted to be applied to the
15 corner or terminal post of a fence, and capable of firmly supporting such post in an upright position and of enabling the same to withstand the strain incident to wire fences.

A further object of the invention is to
20 provide a fence brace capable of adjustment to tighten either the upper or lower portion of the post and provided with threaded operating means, which will be capable of
25 ready adjustment to relieve and free the parts, should the same become fast through the rusting of the threads.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully
30 described, illustrated in the accompanying drawing, and pointed out in the claims here-to appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the
35 scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a side elevation of a fence brace, constructed in accordance with this invention and shown applied
40 to the terminal post of the fence. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a detail sectional view on the line 3—3 of Fig. 2. Fig. 4 is a detail perspective
45 view of the bearing plate. Fig. 5 is a similar view of the base plate.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

50 1 designates a base plate designed to be arranged upon the surface of the ground and provided with an upwardly projecting polygonal block or support 2, consisting of an integral upwardly extending enlargement
55 having an inclined seat 3 in its upper face

for the lower end of an inclined bracing member 4. The seat is formed by grooving the upper face of the projecting support 2, the grooves extending from the inner side and terminating short of the rear face. The
60 support is provided with a rear wall 5. The rear wall has an inner inclined face 6 to fit the lower end of the inclined bracing member 4.

The bracing member 4 is preferably tubular, as shown, to provide a socket at its upper end for the reception of a nut 7, but the bracing member may be constructed of angle iron, or any other material, a suitable
70 socket being provided at the upper end for the said nut. The lower end of the inclined bracing member is secured in the seat 3 by means of a projecting stud 8, piercing the lower end of the bracing member and threaded at its upper portion to receive a nut 9.
75 The stud, which may be mounted on the support 2 in any preferred manner, is adapted to prevent the bracing member from rotating. The seat 3 presents a curved face to the lower end of the tubular bracing member and conforms to the configuration of the
80 same.

The nut 7 is cylindrical to fit within the upper end of the tubular member, and it is provided at its outer end with an annular
85 flange forming a head 10 to fit against the upper end of the tubular member, as clearly illustrated in Fig. 2 of the drawing. The nut, which receives an operating screw 11, is split longitudinally at 12 to permit it to
90 expand and loosen the said screw 11, should the parts become fast through the rusting of the threads, which is liable to occur as the fence brace is exposed to all kinds of weather. The split nut is maintained in its closed po-
95 sition to properly engage the screw threads by means of a set screw 13, piercing the tubular bracing member and engaging an indentation 14 of the nut to prevent rotary movement of the same within the tubular
100 member.

The operating screw 11 is provided with a smooth upper extension 15, and it has an intermediate polygonal portion 16, adapted to be engaged by a wrench, or other tool for
105 rotating the screw. The upper end 17 of the smooth portion is tapered and fits in a tapered or conical bearing recess 18 of a projecting portion 19 of a bearing plate 20. The bearing plate, which is rectangular, fits
110

against a fence post 21 at a point above the surface of the ground so that the upper portion of the post may be adjusted by lengthening the inclined brace formed by the bracing member and the adjusting means. The engaging face 22 of the bearing plate is roughened by grooves or corrugations to prevent the plate from slipping upward on the post when the inclined brace is adjusted.

- 10 The lower portion of the post is adjusted by means of a horizontal tie rod or member 23, provided at its inner end with an eye 24, which is connected with the terminals of a chain 25. The chain is looped around the lower portion of the post near the surface of the ground, and its terminals are secured to the eye by means of a bolt 26, or other suitable fastening device. The outer portion of the horizontal tie rod 23 rests upon the upper face of the base plate and it extends through a horizontal perforation 27 of the support 2. The outer end 28 of the tie rod is threaded for the reception of a nut 29, which bears against the outer end of the base plate at the outer face of the support 2. By adjusting the tie rod the lower portion of the post is drawn in the direction of the base plate, which is maintained in spaced relation with the fence post by means of the inclined brace.

30 The horizontal tie rod and the inclined brace afford a double adjustment for the fence post and enable either the upper or lower portion thereof to be adjusted, whereby the fence post is maintained in an upright position.

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

- 40 1. A fence brace including a base plate provided with an integral upwardly extending enlargement forming a support and having an inclined groove extending from the inner side of the enlargement and terminating short of the rear face thereof to provide an abutting end wall, said support being also provided with an approximately horizontal opening extending through the enlargement below the groove and located above the plate, an inclined bracing member having its lower end secured in the groove and fitted against the abutting end wall thereof, said bracing member being adapted to engage the upper portion of a fence post, and a tie rod secured in the said opening and provided with means for connecting it with the lower portion of the fence post.

- 50 2. A fence brace including a base plate provided with an integral upwardly extending enlargement forming a support and having an inclined groove extending from the inner side of the enlargement and

terminating short of the rear face thereof to provide an abutting end wall, a stud rigid with the support and extending upward from the bottom of the groove thereof at a point intermediate of the ends of the same, and an inclined bracing member having its lower end arranged in the groove of the support and fitted against the end wall thereof and pierced by the said stud, said bracing member being adapted to engage the upper portion of the fence post.

3. A fence post including a base plate, a rigid inclined bracing member, a vertical bearing plate having a roughened face adapted to directly engage a post at any point along the same, said bearing plate being also provided at its outer face with a bearing recess, an adjusting device forming a rigid extension of the inclined brace and fitted in the recess of the bearing plate and adapted to be arranged at different angles to the said plate, and means for adjustably connecting the base plate with the lower portion of a post for changing the inclination of the inclined brace.

4. A fence brace including an inclined bracing member, a split nut carried by the bracing member, a set screw adjustably engaging the split nut and adapted to be loosened to permit the same to expand, and an operating screw engaging the nut and arranged to adjust the upper portion of a fence post.

5. A fence brace including an inclined bracing member, a cylindrical nut fitted within the upper end of the bracing member and split longitudinally and provided with an indentation, a set screw mounted on the bracing member and engaging the indentation of the nut, and an operating screw engaging the threads of the nut and arranged to adjust the upper portion of a post.

6. A fence brace including a horizontal base plate provided with an upwardly projecting support having an inclined seat, an inclined bracing member having its lower end secured on the said seat, a nut carried by the upper end of the inclined bracing member, an inclined screw engaging the threads of the nut, a bearing plate receiving the upper end of the screw and arranged to fit against a fence post, a tie rod piercing the support of the base plate and provided with adjusting means, and a chain secured to the tie rod and arranged to loop the fence post at the surface of the ground.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GOTTLEIB SCHNEIDER.

Witnesses:

L. B. STEVENS,
JAMES P. HALE.