

No. 886,109.

PATENTED APR. 28, 1908.

F. O. BALL.

FIELD ADJUSTING DEVICE FOR ELECTRIC GENERATORS AND MOTORS.

APPLICATION FILED JAN. 11, 1907.

Fig. 1.

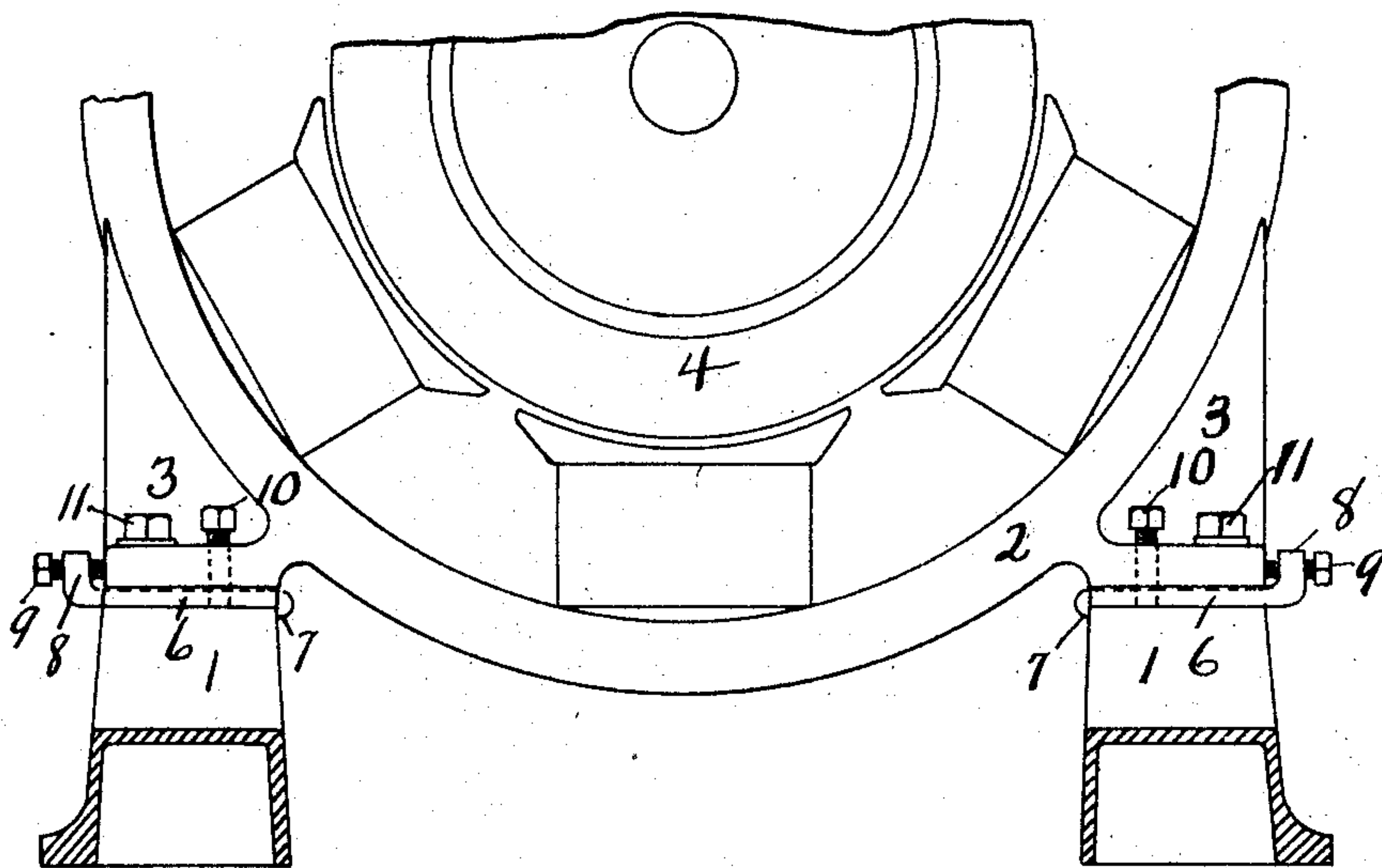


Fig. 2.

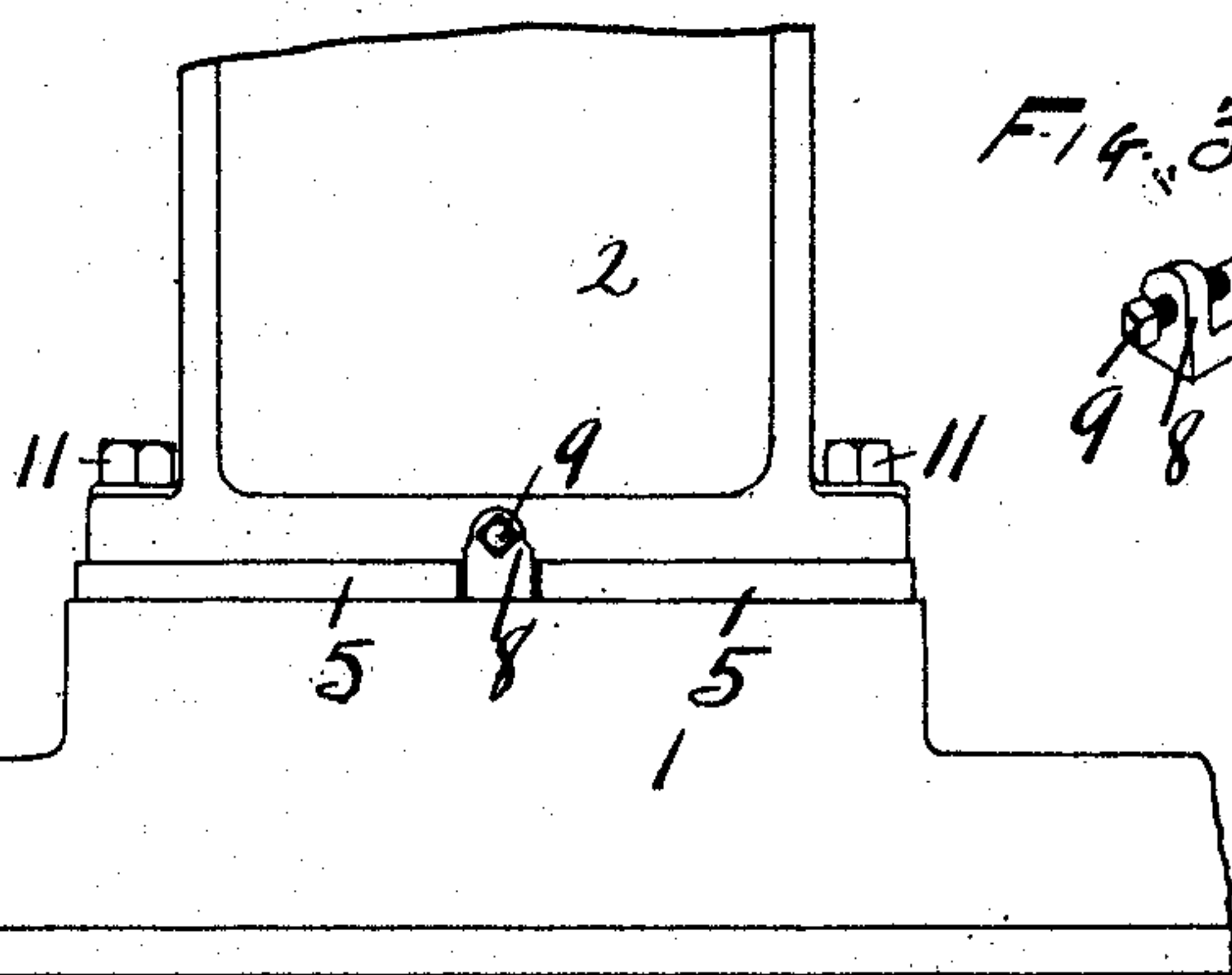
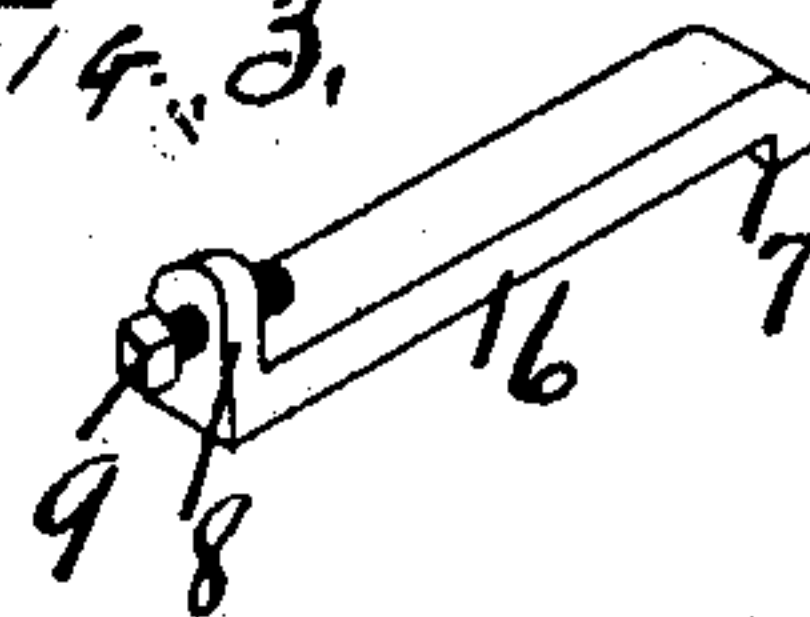


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

FREDERICK OSSIAN BALL, OF NORTH PLAINFIELD, NEW JERSEY.

FIELD-ADJUSTING DEVICE FOR ELECTRIC GENERATORS AND MOTORS.

No. 886,109.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed January 11, 1907. Serial No. 351,826.

To all whom it may concern:

Be it known that I, FREDERICK OSSIAN BALL, a citizen of the United States, residing at North Plainfield, in the county of Somerset and State of New Jersey, have invented new and useful Improvements in Field-Adjusting Devices for Electric Generators and Motors, of which the following is a specification.

10 This invention relates to field adjusting devices for electric generators and motors and consists in certain improvements in the construction thereof as will be hereinafter fully described and pointed out in the claims.

15 More particularly the invention relates to devices for adjusting the field or field supports laterally with relation to the armature, and is particularly useful for this purpose with direct connected generators.

20 The invention is illustrated in the accompanying drawings as follows:

Figure 1 shows an end elevation of the device, the base being partly in section. Fig. 2, a side elevation of the device. Fig. 3, a perspective view of the adjusting device.

1 marks the base; 2 the field support or yoke; 3 the feet on this yoke; 4 the armature. These are of ordinary construction. The yoke is preferably supported on the boards or blocks 5. These are arranged a slight distance apart and the adjusting device 5 is arranged between them. The adjusting device has the hook 7 which is arranged to engage the edge of the base on the inside and the opposingly protruding lug 8 on the outside. The screw 9 is screwed through the lug 8 against the edge of the foot 3. The yoke can be adjusted vertically by means of the set screws 10 and clamped in place by means of the screws 11.

Heretofore, means for adjusting the yoke laterally have been provided usually by casting an ear on the base 1. This is not desirable in that it interferes with the machining the base. The device I have provided may be used on any generator and when once in place can not be withdrawn without lifting the yoke, inasmuch as the hook 7 is thicker than the boards 5. The body of the device is preferably thinner than the boards in order that it may not interfere with the proper seating of the yoke.

What I claim as new is:

1. In a field adjusting device for electric generators and motors, the combination with the field support and base; of a device extending loosely between said support and base, having opposingly protruding lugs, one opposing a portion of the base and the other opposing a portion of the support; and adjusting means on one of the supports for adjusting the support laterally with relation to the base.

2. In a field adjusting device for electric generators and motors, the combination with the base 1 and yoke 2 having the feet 3; blocks 5 between the base and feet 3 forming spaces between the blocks; devices 6 loosely arranged in said spaces, said devices 6 having the hooks 7 for engaging the base, the lugs 8 extending upwardly opposite the feet 3, and screws 9 extending through the lugs against the feet.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

FREDERICK OSSIAN BALL.

Witnesses:

ROBT. T. BRAMPTON,
W. B. PARDOE.