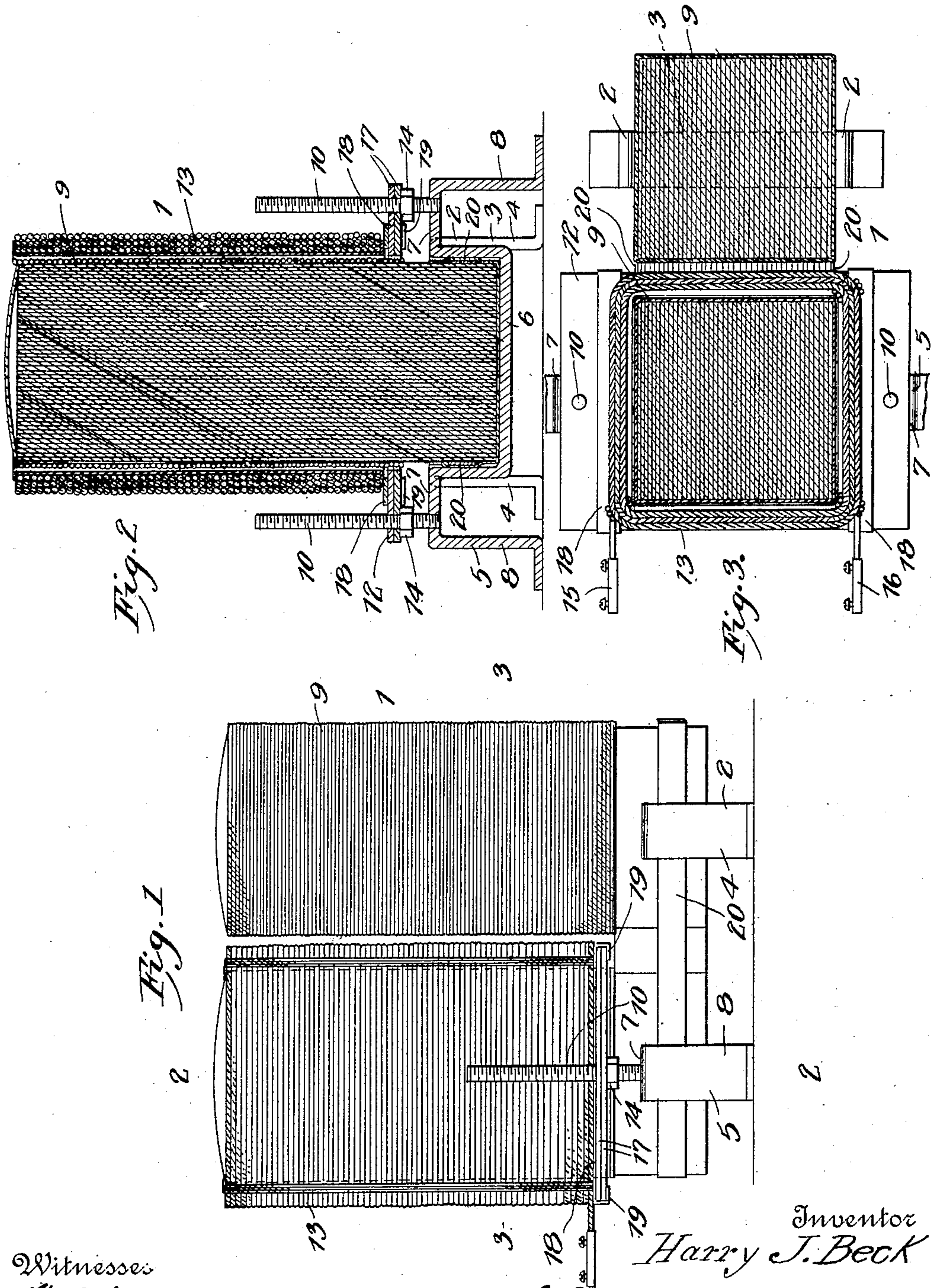


H. J. BECK.
CHOKE COIL FOR MOVING PICTURE MACHINES.
APPLICATION FILED JULY 30, 1908.

907,717.

Patented Dec. 29, 1908.



Witnesses
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UNITED STATES PATENT OFFICE.

HARRY J. BECK, OF PHILIPSBURG, PENNSYLVANIA.

CHOKE-COIL FOR MOVING-PICTURE MACHINES.

No. 907,717.

Specification of Letters Patent.

Patented Dec. 29, 1908.

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To all whom it may concern:

Be it known that I, HARRY J. BECK, a citizen of the United States, residing at Philipsburg, in the county of Center and State of Pennsylvania, have invented certain new and useful Improvements in Choke-Coils for Moving-Picture Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in choke coils especially adapted for use in connection with moving picture machines, and has for its object to provide a coil of this type which may be readily and easily adjusted to increase or decrease the current supplied to the picture machine.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the embodiment illustrated, Figure 1 is a side elevation of a choke coil constructed in accordance with the invention; Fig. 2 is a transverse vertical section taken on line 2—2 of Fig. 1; and Fig. 3 is a horizontal section taken on line 3—3 of Fig. 1.

In the embodiment illustrated the coil comprises an elongated U-shaped core 1 formed from metallic plates. One end of the base of the core is supported by a support 2 made from a single piece of metal bent to form a central U-shaped body adapted to receive one end of the core base, and a pair of laterally spaced supporting legs 4. The opposite end of the core base is supported by a second support 5 bent to form a central U-shaped body 6 to receive the base, then extended to form horizontal supporting portions 7, and then bent to form depending supporting legs 8. The plates forming the side pieces of the core are held firmly together by insulation 9 in the form of cord which is wound around the plates.

Upright stud bolts 10 are screwed into the supporting portions 7 of the support 5 and are adapted to receive the end pieces 11 of an open approximate rectangular coil supporting frame 12 which is mounted upon one of the side pieces of the core. The coil 13 is next placed upon the coil supporting base

and nearly if not entirely surrounds one of the side pieces of the core. In practice, this coil may be raised to increase the current supplied to the moving picture machine by raising the coil supporting frame by screwing adjusting nuts 14 up upon the stud bolts 10 or may be lowered to decrease the current by screwing of these nuts down upon the stud bolts. By providing a standard U-shaped core the same may be used over a range from about 25 to 133 cycles by providing the coil with smaller or larger wires as the case may be and with the proper number of turns.

In practice the current is lead to the coil by a conductor 15 which leads to a suitable source of energy and is led from the coil to the moving picture machine by a second conductor 16. The coil supporting frame is preferably made in two corresponding sections 17 held together by flat clamping straps 18 provided with clips 19 to receive the edges of said sections. The plates forming the base of the core may also be securely clamped together by a clamping band 20 extending around the base.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined in the appended claims.

Having thus described and ascertained the nature of my invention, what I claim as new and desire to secure by Letters-Patent, is:—

1. In a choke coil of the class described, the combination with an approximately U-shaped core, supporting means for the base of the core, a coil supporting plate mounted upon one of the side pieces of the core, a resistance coil mounted upon said supporting frame, and means for adjusting said frame vertically.

2. In a choke coil of the character described, the combination with an approximately U-shaped core, of a support for one end of the core base comprising a central U-shaped body adapted to receive said base, horizontal supporting portions and depending legs, upright stud bolts screwing into the

horizontal supporting portions of said support, an open approximately rectangular coil supporting frame mounted upon the stud bolts, a resistance coil mounted upon
5 said supporting frame and adjusting nuts screwing upon said stud bolts for adjusting the coil supporting frame vertically.

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

HARRY J. BECK.

Witnesses:

GEO. W. ZEIGLER,
H. O. CRAIN.