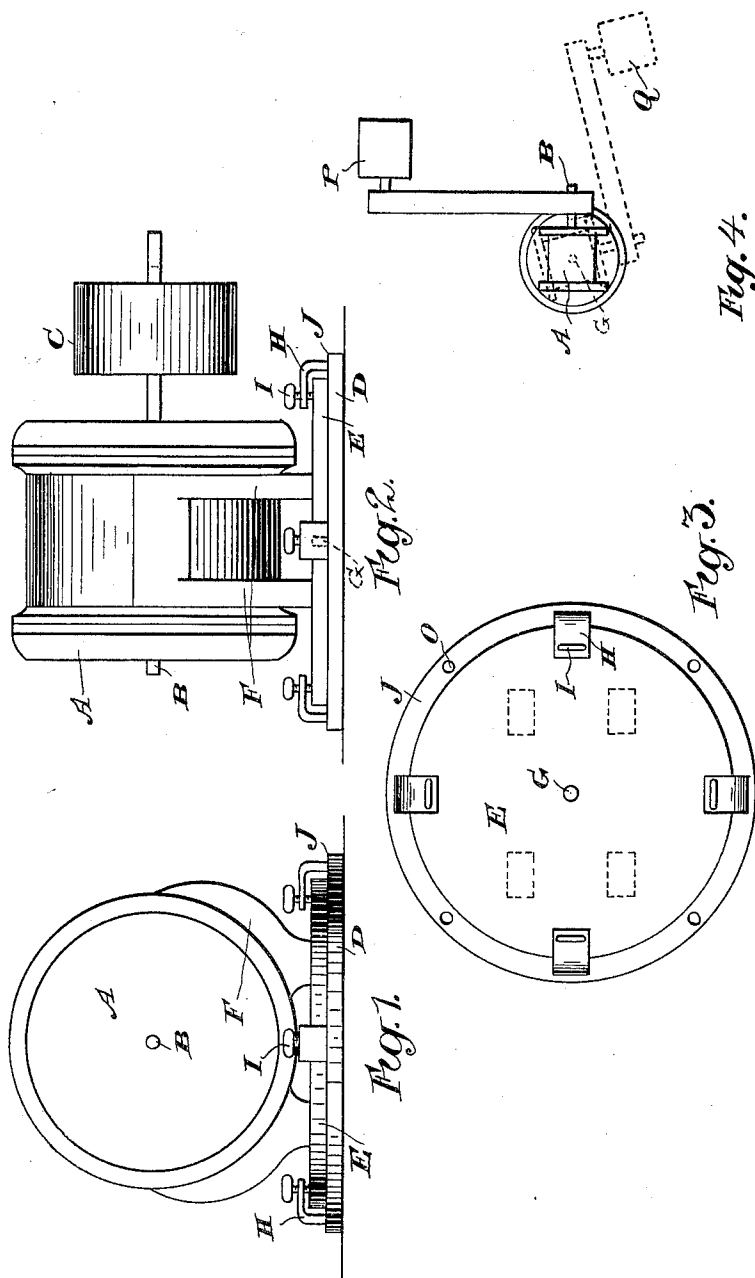


F. W. RILANCE.
MOUNTING FOR MOTORS.
APPLICATION FILED JAN. 23, 1913.

1,088,451.

Patented Feb. 24, 1914.



Witnesses.

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UNITED STATES PATENT OFFICE.

FRANCIS WILLIAM RILANCE, OF THORAH TOWNSHIP, ONTARIO COUNTY, ONTARIO, CANADA.

MOUNTING FOR MOTORS.

1,088,451.

Specification of Letters Patent.

Patented Feb. 24, 1914.

Application filed January 23, 1913. Serial No. 743,701.

To all whom it may concern:

Be it known that I, FRANCIS WILLIAM RILANCE, a subject of the King of Great Britain, residing in the township of Thorah, county and Province of Ontario, Canada, have invented certain new and useful Improvements in Mountings for Motors, of which the following is a specification.

My invention relates to improvements in mountings for motors, and the principal object of my invention, is to mount any suitable type of motor in such a manner that the same may be used to drive one of various machines, at a time, direct, and without the use of line shafting; and, broadly considered, the invention consists in mounting the motor on a suitable base so that it may be readily moved about a member carried by said base so as to position the motor in order that it may drive direct any given machine, suitable means being provided to lock the motor or secure it in its adjusted position, as hereinafter more particularly set forth.

Figure 1 is an end elevation of an electric motor mounted according to my preferred form of invention. Fig. 2 is a side elevation of the motor illustrated in Fig. 1, and Fig. 3 is a plan view of the preferred form of base and turn-table supporting the motor, the motor being omitted from this view. Fig. 4 is a diagrammatic view showing the manner in which the motor is utilized to drive various machines positioned at various angles to the shaft thereof.

In the drawings, like characters of reference indicate corresponding parts in each figure.

Although in the following specification, and in the drawings, forming part thereof, I use an electric motor to illustrate my invention, still it will be understood by one skilled in this art that steam engines as well as gas engines may also be mounted in like manner as well as electric motors.

A is any suitable motor; B the shaft thereof, and C the drive pulley mounted thereon.

D is the base upon which the motor is carried, and this base is preferably made so that it may be shifted or moved with the motor. The motor A is mounted on the base D by a turn-table E which carries the castings F which perform the function of supports for the motor. These castings may

be secured to or formed a part of said turn-table. Preferably centrally carried by the base D and positioned in alinement with the vertical axis of the motor, is a pivot-stud G which passes centrally through the turn-table E. In order to change the position of the motor and the shaft B, it is only necessary to move the turn-table E around the pivot stud G. Any suitable means may be used to clamp the said turn-table to the base D in order to lock the motor in its adjusted position. My preferred means for this purpose comprises a plurality of brackets H carried by the base D and in which are held the thumb screws I which can be jammed against the turn-table E and so prevent it from moving.

In order to secure the base D to any suitable foundation supporting the same, I prefer to construct this base of greater horizontal diameter than the table E, thereby providing an outer circular flange J in which a plurality of holes O may be formed through which any suitable means may be passed to lock the said base to a foundation.

Upon referring to Fig. 4, the manner in which my invention is made practical use of, will be understood by one skilled in this art. In full lines, the motor A is shown as driving the machine P, and in dotted lines the motor is shown as adjusted to drive the machine Q.

Since the motor is preferably mounted to be turned around its vertical axis, it will be understood that, given a constant length of belting, the driven pulleys of the driven machines must bear a substantially fixed relationship in respect to the pivot stud G around which the motor and its turn-table is moved.

While it is conceivable that the motor illustrated in the drawings may be provided with more than one drive pulley in order to drive two or more machines at a time, I have particularly designed my invention for use in connection with motors which are only designed to drive one machine at a time.

My invention is particularly adapted for use on farms, where it is impracticable to utilize line-shafting to drive various fixed implements or machines usually housed in a barn.

While I have described what I consider to be the best embodiment of my invention,

I desire to be understood that the principles can be embodied in different forms and I desire not to be limited beyond the requirements of the prior art, and the terms of my claim.

What I claim as my invention is:

A mounting for motors comprising a movable base centrally provided with a pivot stud projecting thereabove; a circular turn table mounted on said base and through which said stud centrally extends; a plurality of brackets carried by said base and

overhanging said turn table and spaced apart therefrom, and a thumb screw screwing through the inner ends of said brackets and designed to be jammed against said turn table to hold the same in adjusted position.

In testimony whereof I affix my signature in presence of two witnesses.

FRANCIS WILLIAM RILANCE.

Witnesses:

LAWRENCE ALLELY,
W. H. ROACH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
