Nov. 10, 1931. I. L. EASTMAN 1,831,165

MOTOR SUPPORT

Filed July 14, 1930

Fig.3.

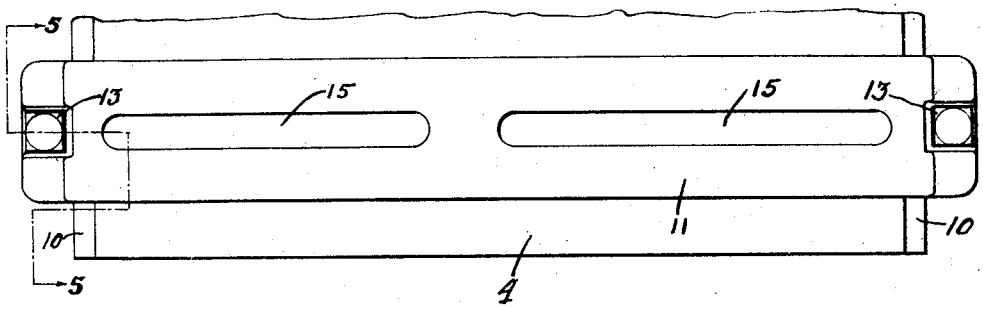


Fig.4.

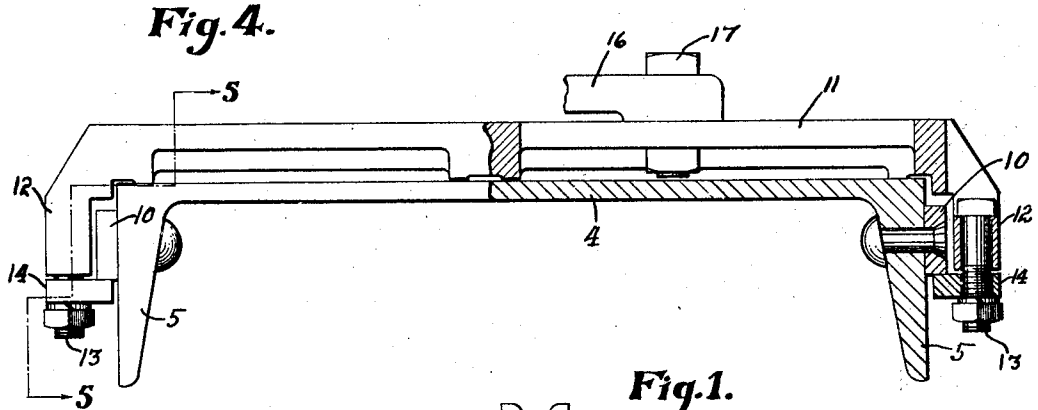


Fig.5.

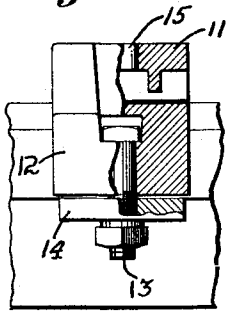
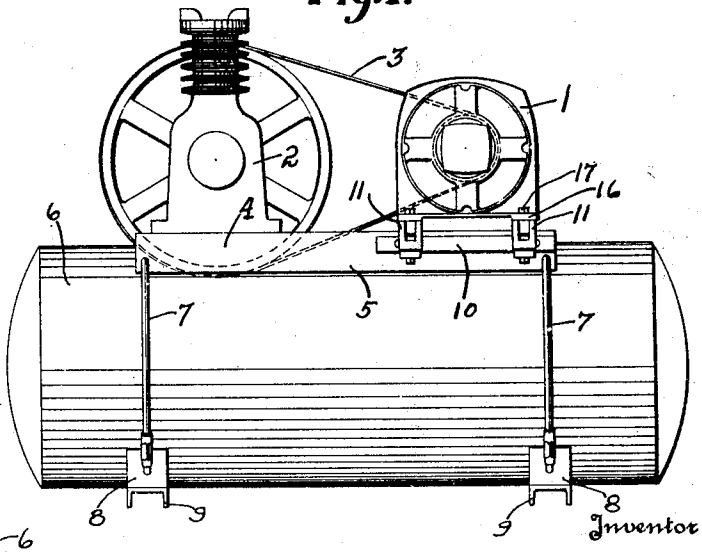


Fig.1.



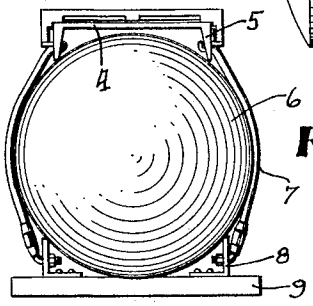


Fig.2.

Inventor

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Patented Nov. 10, 1931

1,831,165

UNITED STATES PATENT OFFICE

IVAN L. EASTMAN, OF SYLVANIA, OHIO, ASSIGNOR TO THE DE VILBISS COMPANY, OF TOLEDO, OHIO, A CORPORATION OF OHIO

MOTOR SUPPORT

Application filed July 14, 1930. Serial No. 467,837.

This invention relates to a motor support, with special reference to its use in connection with an air compressor or other device having a unit with a substantially cylindrical surface.

The object of the invention is to provide a support for the purpose stated, which is adapted to be secured to a cylindrical compressed air receiver or similar object and which may be readily adjusted so that a motor of any size may be easily and quickly secured thereto. In the present instance, the motor and the compressor mechanism are secured to a common table or platform mounted on the compressed air receiver.

The invention in its present embodiment will be more specifically described in connection with the accompanying drawings, in which

Figure 1 is a side elevation of an air compressor and motor having the invention associated therewith.

Figure 2 is an end elevation of the air receiver and the platform shown in Figure 1.

Figure 3 is a plan view on a larger scale of a portion of the motor support.

Figure 4 is an end view of the motor support, a portion of the same being shown in section.

Figure 5 is a detail view partly in elevation and partly in section on the line 5—5 of Figures 3 and 4.

The invention is illustrated in connection with a motor 1 which is adapted to drive the mechanism of an air compressor 2 through the medium of a belt 3 or other driving mechanism.

The compressor is supported on a table or platform 4 which is formed at its side edges with down turned flanges 5 adapted to rest on a cylindrical compressed air receiver 6. The platform 4 is securely held in position by a plurality of curved tie members 7 which are connected at their upper ends with the flanges 5 and which are secured at their lower ends to angles 8 located on opposite sides of the receiver 6 and secured to a base 9 on which the receiver rests.

The platform 4 extends longitudinally of the receiver 6 beyond the compressor 2 to provide a mounting for the motor 1. Riveted or otherwise secured to the flanges 5 on the extended portion of the platform 4 are cleats or ribs 10 to which cross bars 11 are secured. Each of these cross bars rests upon the platform 4 and is formed with down-turned ends 12 overhanging the flanges 5 and ribs 10. These down-turned ends 12 provide convenient mountings for the means which secures the bars 11 to the platform 4. In the present instance the securing means is in the form of bolts 13 carrying gibs 14 which serve to clamp the bars securely to the ribs 10. The bars 11 may therefore be adjustably clamped in any position longitudinally of the platform 4.

Each bar 11 is formed with slots 15 extending lengthwise thereof to which the feet 16 of the motor may be securely clamped by means of suitable bolts 17. Thus by adjusting the bars 11 lengthwise of the platform 4 and by reason of the elongated slots 15 a motor of any size may be easily and quickly secured to the support regardless of the position of the bolt holes in the feet 16.

While the invention has been perfected specifically with reference to air compressors in order that various motors may be selectively used therewith, it is of course apparent that the motor support is of more or less general application, particularly where it is desired to mount the same upon a cylindrical base. It is to be understood therefore that the invention includes all such modifications as may fall within the scope of the appended claims.

What I claim is:

1. A motor support to which the feet of a motor may be bolted, comprising a platform, ribs rigidly secured to the side edges of the platform, bars resting transversely on the platform with ends projecting beyond the edges thereof, and means connected with said projecting ends for adjustably clamping said bars to said ribs at various distances apart, said bars having slots extending lengthwise thereof to receive the bolts which secure the motor.

2. In a motor support, a platform having depending side flanges, means connected to

the side flanges for clamping said platform to a cylindrical base, ribs rigidly connected to said side flanges, bars extending transversely of the platform and having downturned ends adjacent said ribs, means connected with said ends and engaging the undersides of said ribs to adjustably clamp the bars to the platform at various distances apart, said bars having slots extending lengthwise thereof to receive bolts for securing the feet of a motor thereto.

In testimony whereof I have here unto signed my name to this specification.

IVAN L. EASTMAN.