

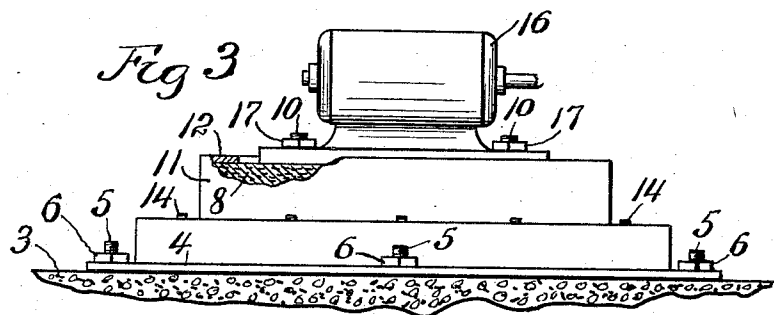
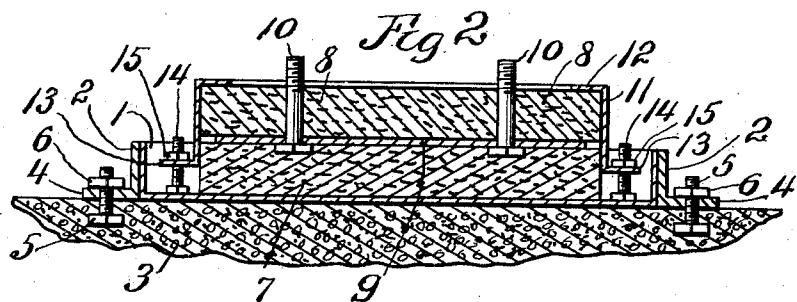
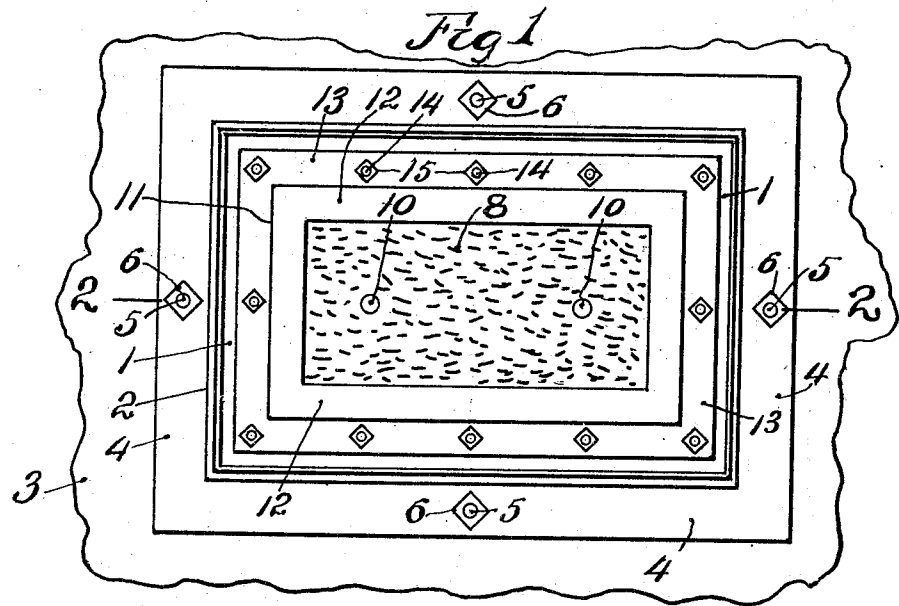
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MACHINE SUPPORT

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MACHINE SUPPORT

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My invention relates to improvements in machine supports adapted for supporting stationary engines, motors or other running mechanisms.

One object of my invention is to provide a novel machine support of the kind described, which is simple, cheap, strong, durable, not likely to get out of order, which may be easily and quickly assembled into operative condition, and which will prevent the conduction of vibrations from the object supported to the floor or other foundation which supports the machine support.

A further object of my invention is to provide novel means by which oil or grease which drips from the object supported may be caught and retained.

My invention provides further novel means for anchoring the object to be supported to the machine support.

The novel features of my invention are hereinafter fully described and claimed.

In the accompanying drawings, which illustrate the preferred embodiment of my invention,

Fig. 1 is a plan view of my improved machine support.

Fig. 2 is a section on the line 2—2 of Fig. 1.

Fig. 3 is a side elevation of my improved machine support shown mounted on a foundation, parts being shown in section.

Similar characters of reference designate similar parts in the different views.

The machine support is provided with a suitable base, which, as shown comprises a rectangular receptacle 1, which is adapted to receive and hold oil or grease which may drip therein, and which is fitted in and, preferably, welded to a rectangular member 2 adapted to rest on a foundation, such as concrete 3.

The member 2 has an outwardly extending peripheral flange 4 which rests on the foundation 3 to which it is anchored by vertical bolts 5, the heads of which are embedded in the concrete 3, and the threaded shanks of which extend upwardly through the flange 4 and have respectively mounted on them nuts 6 which bear upon the top of the flange 4.

For carrying the object to be supported

there is provided vibration absorbent material comprising, as shown, a lower pad 7 and an upper pad 8, each being of a material, such as cork, which is a poor conductor of vibrations. The lower pad 7 is mounted on the upper side of the bottom of the receptacle 1 and has its side edges spaced from the walls of the receptacle.

The upper pad 8 is over the lower pad 7 and is mounted on anchoring means, comprising, preferably a horizontal plate 9, which rests on the pad 7, and vertical bolts 10 which extend upwardly through the plate 9 and through and project upwardly from the upper pad 8, the heads of the bolts 10 bearing against the under side of the plate 9. The pads 7 and 8 project beyond the edges of the plate 9.

For fastening the pads 7 and 8 and plate 9 together and to the base receptacle 1, there is provided a fastening member 11 the walls of which are spaced from the plate 9 and respectively embrace the side edges of the pads 7 and 8.

The upper end of the member 11 has an inwardly extending flange 12 which extends over and bears on the edge portions of the upper pad 8.

The lower end of the member 11 has an outwardly extending flange 13 through which extend the threaded shanks of vertical bolts 14 the heads of which are fastened, as by welding, to the top of the bottom of the receptacle 1. Nuts 15 respectively mounted on the bolts 14 bear on the upper side of the flange 13 and hold the member 11 down and from lateral shifting. The member 11 fastens together the pads 7 and 8 and plate 9.

The motor, engine or other machine to be supported is mounted on the upper pad 8, spaced from the flange 12, and is anchored to the plate 9 by the bolts 10. The plate 9 and pads 7 and 8 are retained in operative position by the fastening member 11 and its flanges 12 and 13, the latter being held by the bolts 14 anchored to the receptacle 1. The latter is anchored to the foundation 3 by the member 2, its flange 4 and the bolts 5 and nuts 6.

As the object supported on the upper pad

8 is anchored to the plate 9, which rests on the lower pad 7 and is spaced from the fastening member 11, vibrations due to the running of the supported machine will be mostly absorbed by the pads 7 and 8, and will not be transmitted to the foundation 3 or other support for the receptacle 1.

Oil and grease dripping from the supported object will be caught and held by the receptacle 1, which thus performs the double function of a support and of a drip pan.

In Fig. 3, there is shown mounted on the upper pad 8, a motor 16 through the base of which are inserted the bolts 10 on which are mounted nuts 17 which bear on top of the base of the motor 16 and hold the motor fastened to the pad 8, spaced from the flange 12 of the fastening member 11.

I do not limit my invention to the structure shown and described, as many modifications, within the scope of the appended claims, may be made without departing from the spirit of my invention.

What I claim is:—

1. In a machine support, a base, vibration absorbent material thereon, anchoring means embedded in said material and having means adapted for attachment to a machine adapted to be mounted on said material, a fastening member having side walls spaced from said anchoring means and embracing respectively the side edges of said material and having a flange extending inwardly over and on said material, said member having an outwardly extending flange, and means engaging said outwardly extending flange and said base for fastening said member to said base.

2. In a machine support, a base comprising an oil receptacle, a pad of vibration absorbent material on said base spaced from the walls thereof, an upper pad over said first named pad, anchoring means on said first named pad and supporting said upper pad and having means adapted to attach to a machine adapted to be supported on said upper pad, a fastening member having side walls spaced from said anchoring means and embracing respectively the side edges of said pads and having an inwardly extending flange over and on said upper pad, said member having an outwardly extending flange, and means engaging said outwardly extending flange and said base for fastening said member to said base.

3. In a machine support, a base comprising an oil receptacle, a pad of vibration absorbent material on said base spaced from the walls thereof, an upper pad over said first named pad, an anchoring plate on said first named pad and supporting said upper pad, means attached to said plate and extending through said upper pad adapted to be attached to a machine adapted to be mounted on said upper pad, a fastening member having side walls spaced from said anchoring means and em-

bracing respectively the side edges of said pads and having an inwardly extending flange over and on said upper pad, said member having an outwardly extending flange, and means engaging said outwardly extending flange and said base for fastening said member to said base.

In testimony whereof I affix my signature.
CARL A. WEISS.