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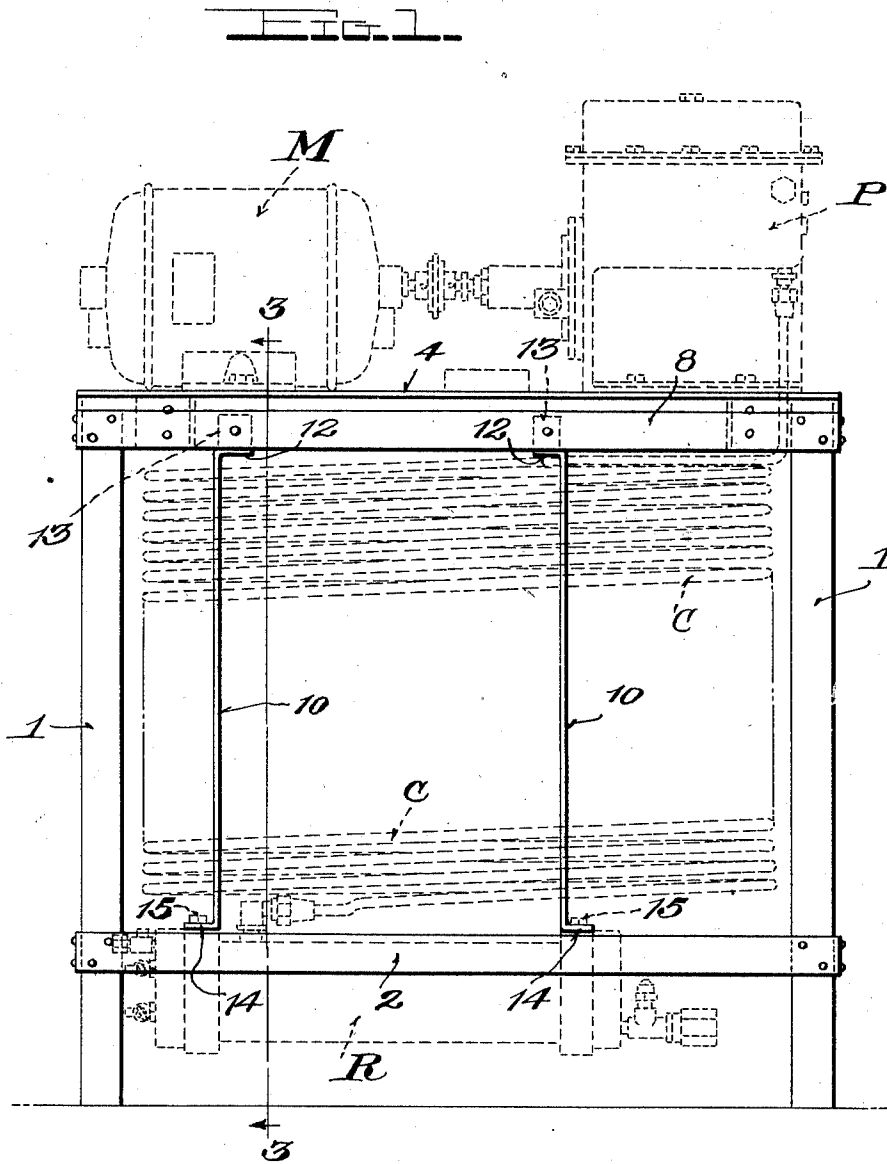
A. E. THORNLEY

1,707,203

COOLING DEVICE STAND

Filed Nov. 5, 1926

2 Sheets-Sheet 1



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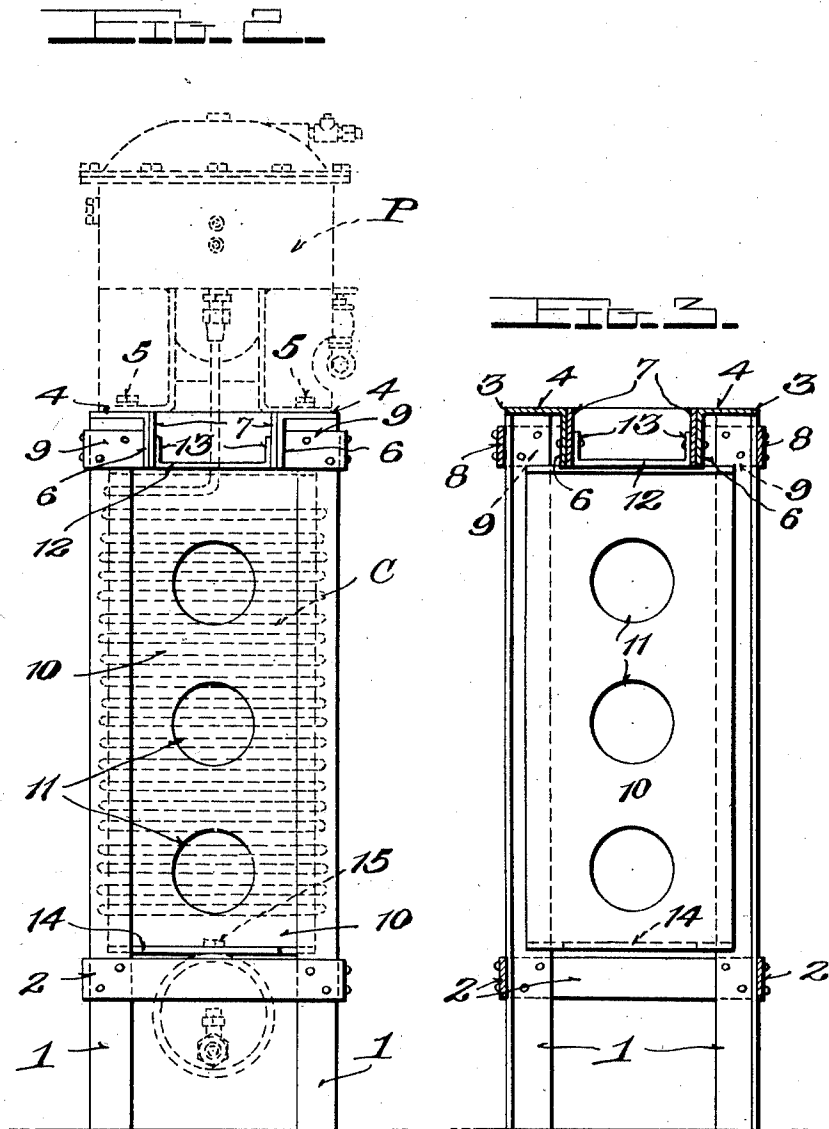
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UNITED STATES PATENT OFFICE.

ALBERT E. THORNLEY, OF PAWTUCKET, RHODE ISLAND, ASSIGNOR TO NARRAGANSETT MACHINE COMPANY, OF PAWTUCKET, RHODE ISLAND.

COOLING-DEVICE STAND.

Application filed November 5, 1926. Serial No. 146,554.

This invention relates to certain new and useful improvements in cooling device stands and pertains more especially to a stand for supporting the cooling mechanism as a unit.

5 The primary object of the invention is to provide a stand which supports the cooling mechanism so as to permit free circulation of air about the motor and pump so as to maintain the parts cool.

10 A further object of the invention is to provide a stand which has a top or head whereon the motor and pump are secured, the top or head further having the coil and reservoir supported therebeneath or in depending relation thereto.

15 A still further object of the invention is to provide a top or head which not only supports the entire mechanism, but which is effectively held by and within the stand and 20 which at the same time can be readily and bodily lifted up and out of the stand, as a unit.

The invention further aims to provide a simple and economical structure and one 25 which is of light weight and at the same time of strong and compact construction.

In the drawings:—

Fig. 1 is a side elevation of the invention, and the cooling mechanism shown in dotted 30 lines:

Fig. 2 is an end elevation, and

Fig. 3 is a section on line 3—3 of Fig. 1.

In proceeding in accordance with the present invention, preferably four legs 1, each 35 formed of angle iron, are employed, and are secured together adjacent their lower ends by horizontal metal straps 2, which latter may be riveted in position.

40 The head or top, is composed of a frame of angle iron having sides 3, the angle irons being disposed so that the parts 4 thereof are horizontally disposed and constitute bases to which the motor M and pump P are rigidly secured, for example by bolts 5.

45 The vertical webs 6 of the sides 4 are reinforced by metal strips 7 which latter are set on edge and engage flat against the inner side faces of the webs.

50 Horizontal side strips 8 are secured to the outer faces of the legs 1 on the side faces of the latter and have inturned ends 9, which latter abut the webs 6 of the side irons 4 that constitute the top or head. The horizontal parts of the irons 4 seat on the upper ends of 55 the legs and are supported thereby, and due

to the ends 9 of strips 8 abutting the webs 6 of the irons 4, it will be seen that lateral movement of the head relative to the stand is prevented.

Vertical spacing and supporting plates 10 60 formed with ventilating openings 11 are secured to the head by use of flanges 12, which are bent outwardly at right angles from the upper ends of the plates, the flanges having their ends bent upwardly to form ears 13 65 which are engaged with and between the plates 7 and act as stirrups and also as spacers for the sides of the head. The lower ends of the plates 10 are formed with right angular flanges 14 to which the reservoir R 70 is bolted by bolts 15. The coil C is secured to the pump and to the reservoir and encircles the plates 10 so as to be steadied by the plates.

From the foregoing it will be seen that the 75 entire mechanism is secured as a unit to the head, which latter forms a base to which the motor and pump are secured, and that the entire mechanism as a unit can be removed from and positioned in the stand by vertical 80 lifting of the head.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A stand for cooling devices, including legs, a head including a pair of side bars having horizontal parts seating on the upper ends 85 of the legs, said bars having vertical parts, vertical plates having ventilating openings and having flanged lower ends, means to attach an element to said flanged ends of the 90 plates, the upper ends of the plates being flanged, the ends of the latter flanges having ears secured to and between the vertical parts of the side bars, and side strips secured to the legs and having inturned ends engaged with 95 the vertical parts of the side bars.

2. A stand for cooling devices, including legs, a head including a pair of side bars having horizontal parts seating on the upper ends 100 of the legs and formed to have an element secured thereon, said bars having vertical plates formed with ventilating openings, means to attach the upper ends of the plates to the vertical parts of the side bars, means to attach 105 an element to the lower ends of the plates and strips connected to the sides of the legs and having inturned ends engaged with the vertical parts of the side bars.

3. A stand for cooling devices, including legs, a head having spaced side bars formed 110

to seat on top of the legs and to have an element connected thereto, vertical plates secured to and depending from the head, means to attach an element to the plates, and strips connected to the sides of the legs and having inturned ends engaged with the side bars of the head.

4. A stand for cooling devices, including legs, a head having spaced side bars formed to seat on top of the legs and to have an element connected thereto, vertical plates secured to and depending from the head, means to attach an element to the plates and means carried by the legs and engaged with the side bars of the head to hold the latter against movement laterally of the legs.

5. In a stand, opposed pairs of legs, a removable head having spaced side bars having horizontal parts seating on top of the legs, and having depending parts, and horizontal bars connecting the pairs of legs and having inturned ends which latter extend into the spaces between the legs and engage the vertical parts of the side bars of the head.

6. In a stand, opposed pairs of legs, a removable head having spaced side bars having horizontal parts seating on top of the legs and having depending parts, horizontal bars connecting the pairs of legs and having inturned ends which latter extend into the spaces between the legs and engage the vertical parts of the side bars of the head, and vertical plates depending from the head and having their upper ends flanged and the flanges formed with ears which latter are

secured to the vertical parts of the side bars of the head.

7. A stand for cooling devices of the type having an upper and a lower element connected by a hollow element including a support, a head on the support adapted to carry said upper element, means depending from the head and extending through the hollow element and adapted to have said lower element secured thereto, and means to removably mount the head on the support whereby, to permit all of the said parts to be removed as a unit from the support by vertical movement of the head.

8. A stand for cooling devices, including a series of legs, a head formed of angle irons the horizontal parts of which seat on the legs and the vertical parts of which are spaced from the legs, element supporting means depending from the head, and means on the legs engaged with the vertical parts of the angle irons of the head to hold the latter against lateral movement.

9. A stand for cooling devices, including a series of legs, a head formed of angle irons the horizontal parts of which seat on the legs and the vertical parts of which are spaced from the legs, element supporting means depending from the head, and horizontal strips secured to the legs and having inturned ends which engage the vertical parts of the angle irons of the head.

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

ALBERT E. THORNLEY.