

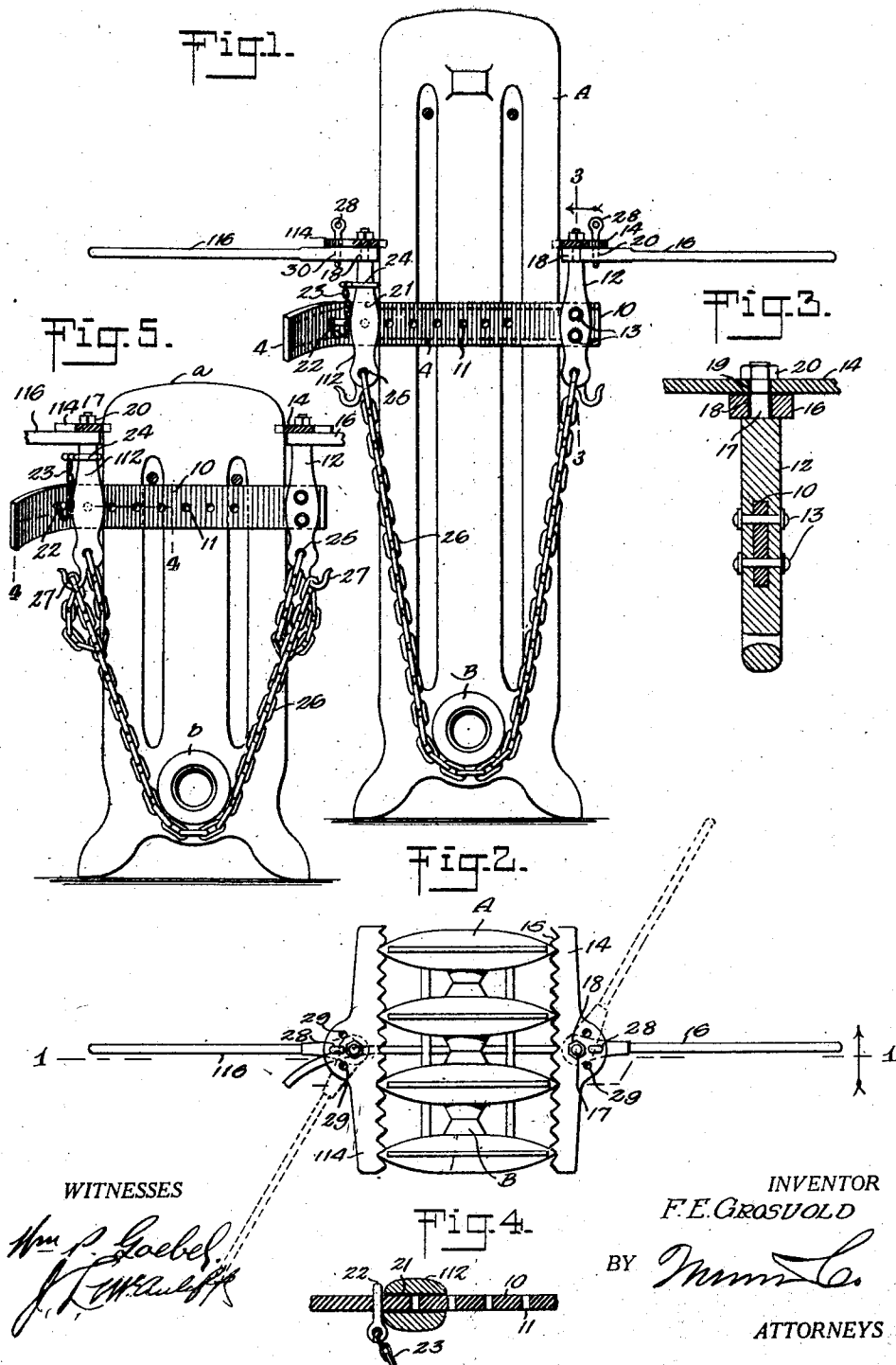
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RADIATOR CARRIER

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UNITED STATES PATENT OFFICE.

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RADIATOR CARRIER.

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To all whom it may concern:

Be it known that I, FRED E. GROSVOLD, a citizen of the United States of America, and a resident of Eau Claire, in the county of Eau Claire and State of Wisconsin, have invented a new and Improved Radiator Carrier, of which the following is a description.

My invention relates to a device to be applied to a radiator for carrying the same and the invention has for its general object to provide a carrier efficient for the indicated purpose and adapted to be conveniently applied to the radiator and having means to adjust the carrying handles to different angles as may be required for the character of the passageway through which the radiator is to be carried.

Reference is to be had to the accompanying drawings forming a part of this specification, it being understood that the drawings are merely illustrative of one example of the invention.

Figure 1 is a vertical section of a radiator carrier embodying my invention showing the same in use, the plane of the section being indicated by the line 1-1 in Figure 2;

Figure 2 is a plan view of the carrier applied to the radiator;

Figure 3 is a detail in vertical section on the line 3-3, Figure 1;

Figure 4 is a detail in horizontal section as indicated by the line 4-4, Figure 1;

Figure 5 is a view similar to Figure 1 but showing the carrier adjusted to a small radiator.

In carrying out my invention in accordance with the illustrated example a bar 10, advantageously a flat bar, has dimensions to be passed horizontally between the sections of the radiator and formed with pin holes 11. One end of bar 10 is fastened to a standard 12 by rivets 13 or equivalent means. A horizontally disposed gripping jaw 14 is fastened to the standard 12 at the upper end and in the preferred form has teeth 15 to better engage the edges of elliptical or ovate radiator sections. Secured also to the standard 12 at the upper end is a handle 16. To secure jaw 14 and handle 16 the standard 12 is reduced at its upper end to form a stud 17 which is passed through a hole 18 in handle 16 and a regis-

tering hole 19 in the jaw 14, the connection being completed by a nut 20 of said stud.

A second standard 112 is adjustably secured to bar 10 at the opposite end from standard 12. The standard 112 is slipped onto the bar 10, said standard having a slot 21 for the purpose and a pin 22 is passed through any one of the series of holes 11 outside of said standard, said pin to prevent its displacement being carried by a chain 23 on a collar 24 on standard 112.

The adjusted position of standard 112 determines the effective length of bar 10 to suit radiators of different widths.

The standards 12 and 112 have secured thereto at holes 25 therein a chain 26 of a length to be passed transversely between sections of the radiator beneath the hubs B thereof. If the radiator is large the chain 26 will extend directly from the holes 25 about the hubs B of the radiator A at the under side. To provide for carrying a small radiator the standards 12 and 112

have hooks 27 at the lower ends of the standards over which any links of the chain may be passed to shorten the chain to accord with the small radiator *a*, Figure 5, whereby the chain will be looped between the holes 25 and hooks 27 and passed from the hooks 27 beneath hubs *b* of the small radiator *a*. The standard 112 is equipped with a handle, 116, and with a gripping jaw, 114, the same as the jaw and handle on the standard 12.

The handles 16 and 116 may extend at right angles to the gripping jaws 14 as shown in full lines in Figure 2 or said handles may be disposed at an angle at either side of the right angular position as indicated in dotted lines, Figure 2. To fasten the handles in position pins 28 are adapted to be passed through any one of a series of holes 29 in the jaws 14 and 114 and through holes 30 in the handles outward of the holes 18.

I would state in conclusion that while the illustrated example constitutes a practical embodiment of my invention, I do not limit myself strictly to the exact details herein illustrated, since, manifestly, the same can be considerably varied without departure from the spirit of the invention as defined in the appended claims.

Having thus described my invention, I claim:

1. A radiator carrier comprising gripping jaws adapted to be disposed at opposite sides of a radiator, means mounting said jaws, and a connection between said means, said connection adapted to form a rest for a radiator; together with handles disposed adjacent the top of the carrier and disposed in a plane transverse to said jaws, the opposed ends of the handles being spaced a distance for the handles to be positioned at opposite sides thereof and endwise to the radiator.
2. A radiator carrier comprising gripping jaws adapted to be disposed at opposite sides of a radiator, means mounting said jaws, and a connection between said means, said connection adapted to form a rest for a radiator; together with handles disposed adjacent the top of the carrier, said handles adjustable to various angles.

3. In a radiator carrier, gripping jaws, standards mounting said jaws, handles on the standards near the top, a chain connecting the standards and adapted to form a rest for a radiator, and means on the standards to vary the effective length of the chain to suit radiators of different sizes.

4. A radiator carrier comprising gripping jaws adapted to be disposed at opposite sides of a radiator, means mounting said jaws, a connection between said means, said connection adapted to form a rest for a radiator, and a transverse bar connecting said means.

5. A radiator carrier comprising gripping jaws adapted to be disposed at opposite sides of a radiator, means mounting said jaws, a connection between said means, said connection adapted to form a rest for a radiator, and a transverse bar connecting said means; together with means to adjust the length of said transverse bar.

FRED EMANUEL GROSVOLD.