E. BEHRINGER
RADIATOR PIPE HANGER
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FIG. 1.

FIG. 2.

FIG. 3.

FIG. 4.

Witnesses:

Inventor:

Emil Behringer,
By his Attorney, T. M. Schrock.
To all whom it may concern:

Be it known that I, Emil Behringer, a citizen of the United States, residing in Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Radiator-Pipe Hangers, of which the following is a specification.

This invention relates to hangers for radiator pipes though it is noted that the invention is not limited to radiator pipes nor even to pipes.

One object of the invention is to provide an apparatus or device of this kind made of sections interlockable to form a hanger suitable for any number of pipes.

Another object of the invention is to provide an apparatus or device of this kind in which the sections may be easily interlocked or unlocked and attached to their supports.

Another object of the invention is to provide an apparatus or device of this kind which is light of weight and easily stamped from sheet metal.

Other objects of the invention are to improve generally the simplicity and efficiency of such devices and to provide a device or apparatus of this kind which is durable, economical to manufacture and operate and which will not get out of order.

The inventive features for the accomplishment of these and other objects are embodied in an improved hanger which, briefly stated, comprises sheet metal sections formed with an intermediate member, and side members provided with slots and connecting members adapted to engage in the slots of the adjacent section, said body portion being provided with outwardly disposed hanger arms, and attaching bridges above said arms for attaching the sections to their support.

Other objects of the invention will appear as the description proceeds; and while herein details of the invention are described, the invention is not limited to these, since many and various changes may be made without departing from the scope of the invention as claimed.

In the accompanying drawing, showing by way of example one of many possible embodiments of the invention, Fig. 1 is a front perspective view of one of the hanger sections; Fig. 2 is a rear perspective view with a plurality of the sections interlocked to form a hanger for a number of pipes; and Figs. 3 and 4 are vertical sectional views, partly in elevation of the side member showing locked and unlocked positions of said interlocking member.

My improved sectional pipe hanger comprises a plurality of interlocking sections 5 (Fig. 2) each section comprising a sheet metal stamping formed with a pair of back wardly turned side members 6 (Fig. 1) and an intermediate body portion or member 7.

Each of said side members 6 is provided near its upper edge with a slot 9, arranged transversely of the side member, and at the lower part with an inverted U-shaped cut 10 to provide an interlocking connecting member 11 inwardly and downwardly pressed and provided with a hooked end 12 (Figs. 2 and 3) adapted to pass through and be upwardly clinched, as in Fig. 4 at the outside of the slot 9 of the next lower section 5, the sections thus being connected to each other longitudinally and the walls of the said members 6 brought into alignment, so that the lower ends of the walls of the side members of upper sections rest upon the upper ends of the walls of side members of sections next below and are supported thereby.

Said intermediate body portion or member 7 (Fig. 1) is provided with upper and lower inverted approximately U-shaped cuts 15 to provide outwardly pressed downwardly-outwardly and upwardly curved hanger arms or brackets 16 each adapted to receive a pipe 17 or the like horizontally laid thereon. The yoke portion 19 of said approximately U-shaped cuts is downwardly curved to leave a centrally enlarged attaching bridge 20 above said cuts provided with a mid opening 21 for receiving a bolt, screw or the like by which the hanger is secured to a wall or other support (not shown).

The operation of the device is simple and obvious. The number of sections required to support the desired number of pipes are stacked one above the other as in Fig. 2, and the attaching members 11 bent from the
solid line position of Fig. 3, through the
dotted line position until the hooked end
passes through the slot 9 of the next lower
section, whereupon the hooked end is
clinched as in Fig. 4.

The hanger thus formed is secured in the
desired place by bolts, screws or the like
passed through the openings 21, after which
the pipe 17 or the like is laid thereon.

The sections may be disassembled by un-
clinching the hooked end 12 and moving the
connecting member back to the position of
Fig. 3.

Obviously, single uninterlocked sections
may be used, as for two pipe radiators or for
transmission pipe lines. Also the hangers
may be used for hanging cables or any other
articles, for display or storing purposes,
or any other suitable use; and sections hav-
ing one, three or any number of hangers may
be provided.

The side members 6 are formed slightly
diverging rearwardly to form a forwardly
tapered section having a forwardly tapered
chamber between the side members to fa-
cilitate the nesting of the sections one
within the other for packing, shipping and
stowing, the arms or brackets 16 being made
forwardly tapering to permit the brackets
of one section to enter and pass through the
openings formed by the cuts 15, thus to per-
mit more effective nesting of the sections.

Having thus described my invention, it
should be understood that there may be
modifications thereof and variations therein
without departing from the spirit of the in-
vention or exceeding the scope of the ap-
pended claims.

I claim:

1. In a pipe hanger, a hanger section com-
prised side members and an intermediate
body member; the side members having slots
near the upper ends thereof and connecting
members near the lower ends thereof; the
connecting members being adapted for en-
gaging the slots of side members of an adja-
cent hanger section; the connecting mem-
bers when engaged in said slots retaining the
hanger sections in operative longitudinally
connected relation.

2. In a pipe hanger, a hanger section com-
prised side members and an intermediate
body member; and means for securing the hanger section to the sup-
porting means; the side members having slots near the upper ends thereof and con-
necting members near the lower ends thereof; the body member having means for supporting pipes; the connecting
members being adapted for engaging the
slots of side members of an adjacent
hanger section; the connecting members
when engaged in said slots retaining the
hanger sections in operative longitudinally
connected relation.

3. In a pipe hanger, a hanger section com-
prising side members and an intermediate
body member; the side members having slots
near the upper ends thereof and connecting
members near the lower ends thereof; the
connecting members being adapted for en-
gaging the slots of the side members of an
adjacent hanger section and having ends for engaging the walls of the side members
adjacent to the slots of the adjacent section
for retaining the hanger sections in operative
longitudinally connected relation.

4. In a pipe hanger, supporting means; a
hanger section comprising side members and
an intermediate body member; and means
for securing the hanger section to the sup-
porting means; the side members having
slots near the upper ends thereof and con-
necting members up-struck from the side
members near the lower ends thereof; the
intermediate body member having up-struck
pipe supporting brackets; and means for se-
curing the hanger section to the supporting
means; the connecting members being
adapted for engaging the slots of the side
members of an adjacent hanger section and
having ends for engaging the walls of the
side members adjacent to the slots of the
adjacent section for retaining the hanger
sections in operative longitudinally connected
relation.

5. In a pipe hanger, supporting means; a
hanger section comprising side members and
an intermediate body member; and means
for securing the hanger section to the sup-
porting means; the side members having
slots near the upper ends thereof and con-
necting members up-struck from the side
members near the lower ends thereof; the
intermediate member having up-struck pipe
supporting brackets; and means for se-
curing the hanger section to the supporting
means; the connecting members of a hanger
section being adapted for engaging the
slots of the side members of a hanger sec-
tion arranged next below the first hanger sec-
tion and having ends for engaging the walls
of the side members of said next below sec-
tion adjacent to the slots; said ends passing
through said slots and being bent into en-
gagement with a face of said walls; the
connecting members when engaged in said
slots retaining the hanger sections in opera-
tive connected relation and the walls of the
connected hanger sections in end to end sup-
porting alinement.

6. In a pipe hanger, a hanger section com-
prised side members and an intermediate
body member; and means for securing the
hanger section to a supporting means; the
side members diverging outwardly from the
body member and providing with the body
member a chambered space having outward-
ly diverging side walls; the side members
having slots near the upper ends thereof and
connecting members near the lower ends thereof; the body member having on its outer face pipe supporting means and openings adjacent to the pipe supporting means; the hanger sections being nestible for packing or shipment by the reception of one hanger section in the diverging chambered space of another hanger section, the pipe supporting means of the nested hanger section passing through the above mentioned openings of the other hanger section.

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Witnesses:
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