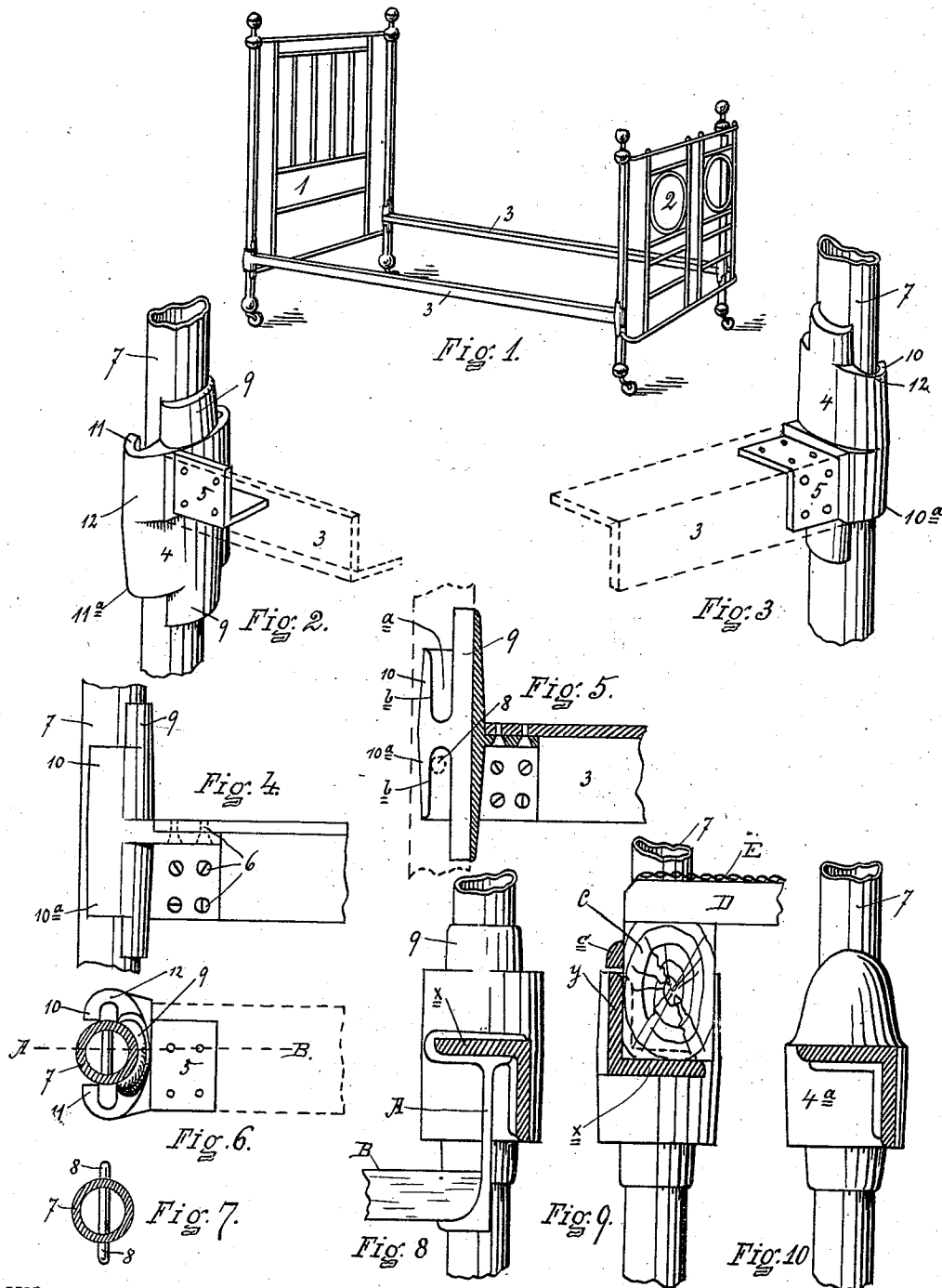


(No Model.)

O. S. FOSTER.
BEDSTEAD.

No. 552,176.

Patented Dec. 31, 1895.



WITNESSES.
Rich. A. George.
M. A. Keller.

INVENTOR.
OSCAR S. FOSTER.
By *Wiley, Robinson & Love*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

OSCAR S. FOSTER, OF UTICA, NEW YORK, ASSIGNOR TO THE FOSTER BROTHERS MANUFACTURING COMPANY, OF SAME PLACE.

BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 552,176, dated December 31, 1895.

Application filed January 5, 1894. Serial No. 495,861. (No model.)

To all whom it may concern:

Be it known that I, OSCAR S. FOSTER, of Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Bedsteads; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to an improvement in bedsteads.

In the drawings, Figure 1 shows a perspective view of a bedstead having my improvements applied thereto. Fig. 2 shows in detail the rail-hanger in connection with a portion of a bed-post in one of its positions, a portion of the side rail being shown in dotted outline. Fig. 3 shows, in a similar manner, the rail-hanger and rail reversed. Fig. 4 is a side view of the parts shown in Figs. 2 and 3. Fig. 5 shows a central section of the rail-hanger, taken on line A B of Fig. 6. Fig. 6 shows a plan view of the hanger in one of its positions in connection with a cross-section of the post. Fig. 7 shows a cross-section of the bed-post, showing particularly the studs or pins projecting from opposite sides thereof. Fig. 8 is a detail showing one method of using the reversible side rail, in which a slat-hanger is employed. Fig. 9 shows another method of using the reversible rail in connection with a commercial wire-fabric bed and its frame. Fig. 10 shows a modified form of construction in which a non-reversible rail-hanger is used.

In the usual construction of a bed employing my improvements I use a head 1 and foot 2, each consisting of a pair of legs secured together, with suitable connections between them. My improved construction of rail-hanger, however, is adapted to take hold of or be attached to a single independent bed-post, in which case the means of connection between the opposite sides of the bed would be between the rails.

In connection with the head and foot, before mentioned, I use side rails 3 3, preferably of right-angled angle-iron. On each end

of each side rail I provide a rail-hanger 4, preferably a malleable casting having angled projection 5 adapted to be passed within the end of the rail and the rail secured thereto by screws or rivets, as 6. The post 7 is preferably a metal pipe circular in form, and is provided with a pair of pins or lugs 8 8 projecting from opposite sides thereof, and preferably formed by one and the same pin passing through the post. The hanger is provided with a half-sleeve 9 projecting above and below the axial line of the side rail and adapted to form an extended bearing vertically on the post. Projecting from either side of the half-sleeve 9 and partially surrounding the post is an extension in which are provided on each side a pair of hooks 10 and 11 adapted to engage the projecting pins or studs 8 on the opposite sides of the post. A corresponding pair of hooks 10^a and 11^a are provided to make provision for the reversal of the rail. These hooks 10 and 10^a 11 and 11^a project to either side of the axial line of the side rail. The several hooks 10 and 10^a 11 and 11^a are provided with a shield or covering, as 12, which protects the ends of the studs 8 8, and in case that they are provided on a loose pin retains the pin in the post and strengthens the several hooks and gives the hanger a symmetrical appearance. The face *b* of each of the several hooks is provided on an incline, so that the half-sleeve is bound firmly against the side of the post, making a rigid construction when the bed is set up.

In the modified form of construction one set of hooks, as 10 and 11, are omitted and the general outline of construction correspondingly varied, as shown in Fig. 10. By employing the rail-hangers herein shown I am enabled to detach the side rails and pack the head and foot so that they will occupy but a small space, and by providing a reversible hanger in connection with an angle-iron side rail I am enabled to obtain several useful combinations with the same elements in the bed.

In one of the combinations I may employ a slat-hanger, as shown at A, which is secured on the inwardly-projecting flange *x* of the side rail, the head of the hanger closely embracing this flange and clinched thereon, and

in the lower end of the hanger is hung the
slat B, which extends from a hanger secured
on one side rail to a similar hanger secured
on the other side rail; and any desired num-
ber of hangers and slats may be used in this
arrangement. By reversing the rails end for
end the side rail is brought into position shown
in Fig. 9, and in connection with a bed set
up in this way I may use an ordinary com-
mercial wire-fabric bed and frame. The side
rail C thereof rests directly on the horizontal
flange *x* of the side rail, and the bed is re-
tained in position by the vertical flange *y*.
The cross-bar of the mattress-frame is shown
at D and the fabric at E. There may be pro-
vided on the side rail C of the mattress-frame
a molding *c* to protect it from the edge of the
side rail.

In the modified form of construction shown
in Fig. 10 the modified hanger 4^a is formed
so that the angled-iron side rail has the hori-
zontal web at the top of the vertical web, as
this is the usual manner of employing angle-
iron side rails, although it is obvious that the
hanger could be made so as to have the an-
gle-iron take the reverse position from this.

What I claim as new, and desire to secure
by Letters Patent, is—

1. The combination of a post having means
of attachment for angle side-rails, of a re-
versible angle rail having means of attach-
ment to the post, substantially as set forth.

2. The combination with a post having pins
or studs projecting from opposite sides there-

of, of a side-rail constructed and arranged for
use either side up, a rail hanger having two
pairs of hooks each pair being adapted to si-
multaneously engage the projecting pins or
hooks whereby the rail becomes reversible,
substantially as set forth.

3. The combination with a post having an
externally projecting stud or pin, of a rail
hanger having a hook adapted to engage the
stud or pin, and a shield or covering strength-
ening the hook and inclosing the end of the
pin or stud, substantially as set forth.

4. The combination with a post having pro-
jecting pins or studs on opposite sides there-
of, of a rail, a rail hanger having a pair of
hooks adapted to engage the pins or studs,
and shields or coverings inclosing the pins
and strengthening the hooks, substantially as
set forth.

5. The combination with a post of a pin
passing through the post and projecting from
either side, a rail hanger having hooks adapt-
ed to simultaneously engage the projecting
ends of the pin, which hooks are connected
with the body of the hanger by shields or
covers opposite the ends of the pins, substan-
tially as set forth.

In witness whereof I have affixed my signa-
ture in presence of two witnesses.

OSCAR S. FOSTER.

Witnesses:

M. A. KELLER,

W. E. SEAVEY.