

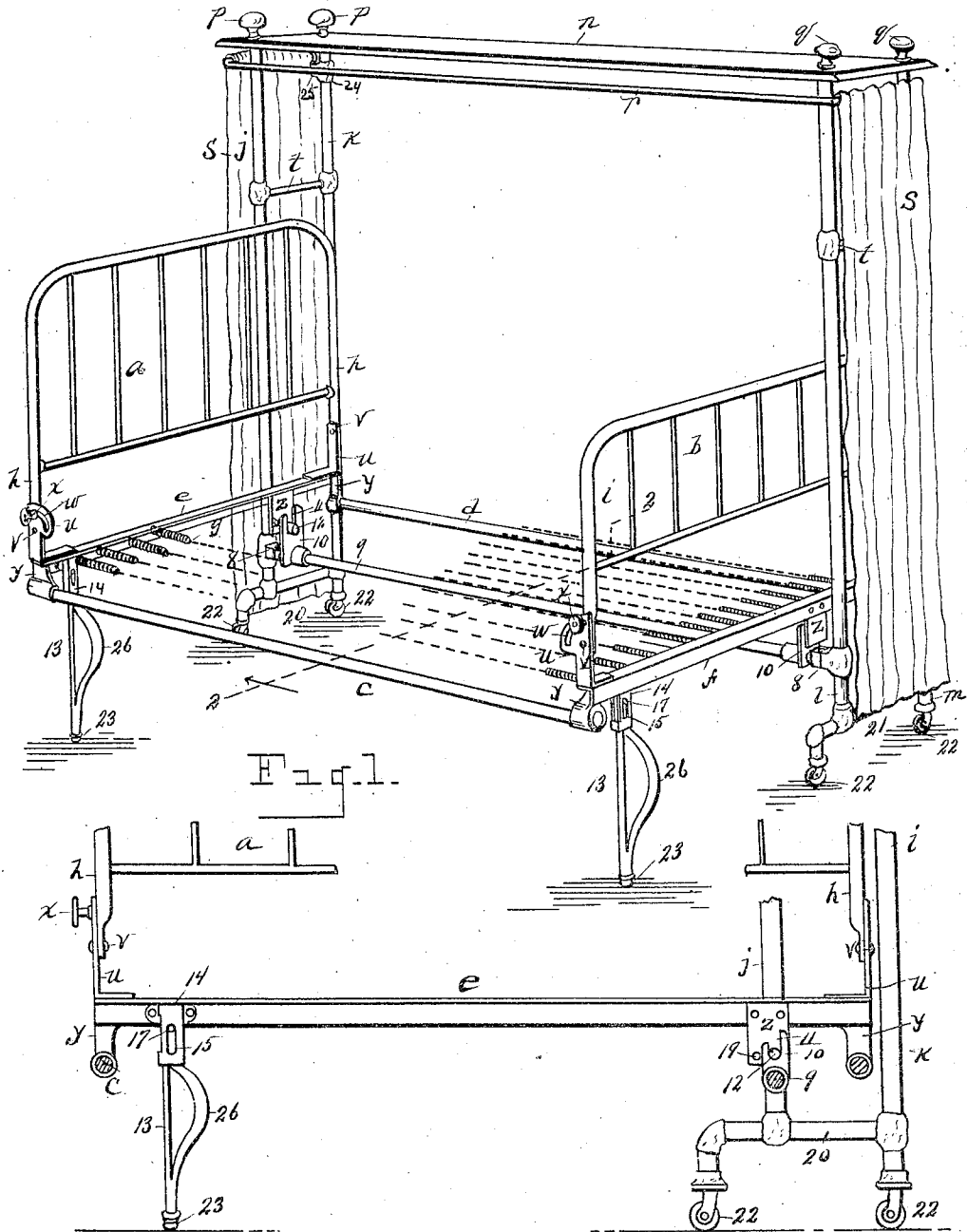
W. A. WYLIE.  
METAL BEDSTEAD.

APPLICATION FILED AUG. 13, 1906. RENEWED MAR. 12, 1909.

938,405.

Patented Oct. 26, 1909.

2 SHEETS—SHEET 1.



Witnesses—  
O. B. Baenziger  
E. M. Spielburg

Fig. 2—Inventor—  
William A. Wylie  
By his Attorney  
Newell S. Wright.

W. A. WYLIE.

METAL BEDSTEAD.

APPLICATION FILED AUG. 13, 1906. RENEWED MAR. 12, 1909.

938,405.

Patented Oct. 26, 1909.

2 SHEETS—SHEET 2.

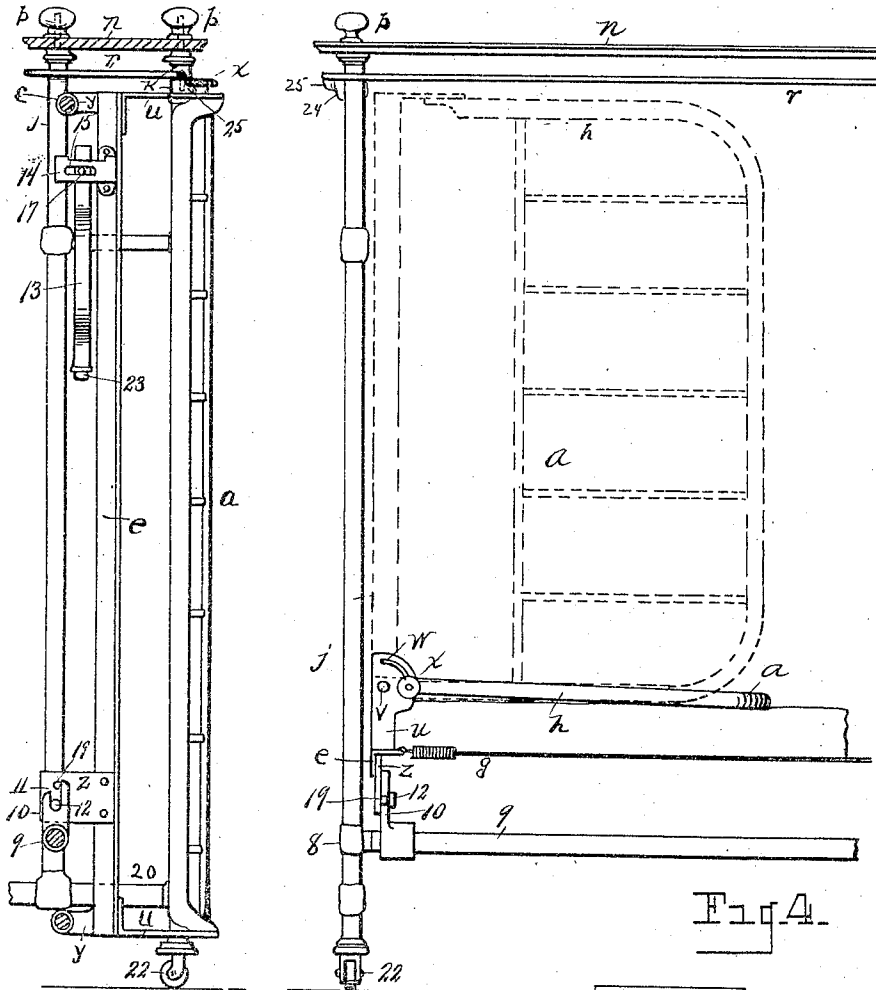
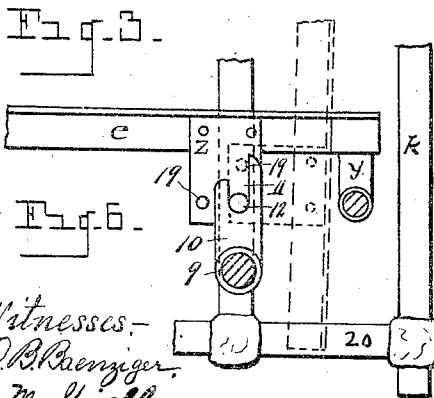
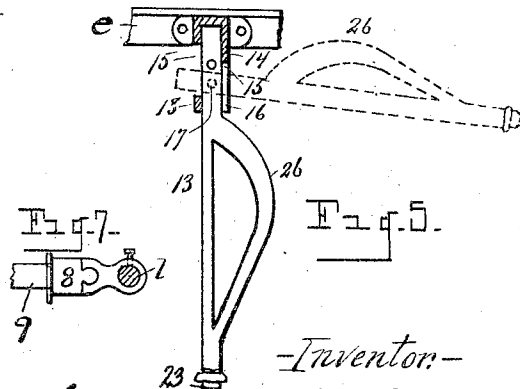


Fig. 4.



Witnesses:  
O. B. Kreniger,  
E. M. Spielburg.



Inventor:  
William A. Wylie  
By his attorney  
Newell S. Wright.

# UNITED STATES PATENT OFFICE.

WILLIAM A. WYLIE, OF DETROIT, MICHIGAN.

## METAL BEDSTEAD.

938,405.

Specification of Letters Patent.

Patented Oct. 26, 1909.

Application filed August 13, 1906, Serial No. 330,416. Renewed March 12, 1909. Serial No. 482,056.

To all whom it may concern:

Be it known that I, WILLIAM A. WYLIE, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Metal Bedsteads, of which the following is a specification, reference being had to the accompanying drawings, which form a part of this specification.

My invention is designed to provide a novel folding metal bedstead of superior construction and utility whereby the head and foot portions of the bedstead may be folded inward over the mattress and bed clothing upon the bed spring, and secured in folded position to hold the mattress and bed clothing in place, and whereby the head and foot portions with the spring frame and bed spring, together with the mattress and the bed clothing (the head and foot portions having been folded thereover), may be folded upward into vertical position.

My invention consists of the construction, combination and arrangement of devices hereinafter described and claimed and illustrated in the accompanying drawings, in which,

Figure 1 is a view in perspective, the bedstead being unfolded or in position for use. Fig. 2 is a view in section on the line 2—2, Fig. 1, the head and foot portions being unfolded. Fig. 3 is a view also on the line 2—2, Fig. 1, but showing the head and foot portions in folded position. Fig. 4 is a partial front view showing the head portion folded downward in position to hold the bed in place, and also indicating the bed folded up in dotted lines. Fig. 5 is a detail view showing the construction and arrangement of the folding legs, the dotted lines showing the position the leg occupies with relation to the adjacent bracket. Fig. 6 is an enlarged view showing one of the trunnions upon which the spring frame swings into vertical position. Fig. 7 is a detail view of one of the joints showing how certain portions are put together.

In the accompanying drawings, head and foot portions are indicated at *a* and *b*. Front and rear side bars are indicated at *c* and *d*, head and foot cross bars are indicated at *e* and *f*, the rails *g*, *d* and cross bars *e* and *f* constituting the spring frame supporting any suitable bed spring indicated at *g*. The head portion *a* comprises front and

rear uprights *h*, *h*, and the foot portion front and rear uprights indicated at *i*, *i*. Toward the rear side of the bedstead are shown upwardly projecting standards or posts *j*, *k*, and the posts *j*, *k* being at the head, and the posts *l*, *m* at the foot. The posts *j*, *k*, and *l*, *m* may support at the upper ends thereof, a mantel *n* held in place upon the upper ends thereof in any suitable manner as by nuts *p*, *p* and *q*, *q* having a threaded engagement upon the upper ends of the corresponding posts or standards above the mantel. I do not limit myself, however, to the employment of the mantel, as it may or may not be employed within the scope of my invention. A stationary mantel might be provided on the wall of the room, for example, if desired. Supported upon the upper ends of said standards or posts is a curtain rod *r* upon which curtains *s*, *s* may be engaged to hide the bedstead when folded in upright position. The posts *j*, *k* and *l*, *m* are spaced a sufficient distance apart laterally and longitudinally to permit other parts of the bedstead being folded into upright position, therebetween. The said standards may also be braced or held in position by means of cross bars indicated at *t*. Upon the head and foot cross bars *e*, *f* are secured brackets *u* upon which the uprights *h*, *h* are pivoted as indicated at *v* so that the head and foot portions *a*, *b* may be folded down and inward, the upright arms of the brackets *u* being pivoted at a sufficient height to permit the head and foot portions being folded over the mattress and bedding to hold them in place upon the springs. The brackets *u* on the front side of the bedstead are shown constructed with arc shaped slots indicated at *w* to receive binding screws engaged in flattened portions of the corresponding uprights and nuts thereupon to hold the head and foot portions in desired position. The front and rear rails *c* and *d* are supported upon the transverse cross bars by means of brackets *y*.

To permit the folding of the spring frame and other portions of the bedstead into vertical position and under the mantel, if a mantel is employed, the cross bars *e*, *f* are provided with supporting brackets *z* provided with trunnions 12. Connected with the standards *j* and *l*, as by suitable fittings indicated by the numeral 8, is a rail 9 upon each end of which is a bracket 10 provided

with an open slot 11 at its upper end to receive the trunnion 12 upon the corresponding brackets *z*. This mechanism obviously permits the folded head and foot portions *a*, *b* and the spring frame together with the bed spring and bedding, to be folded up vertically or under the mantel.

To support the front of the bedstead I provide folding or drop legs 13 at the head and foot thereof. These legs are shown pivotally connected upon brackets or castings 14 upon the corresponding cross bars *e*, *f*. These brackets or castings are each constructed with elongated slots 15 and 16, the corresponding leg being provided with a pin 17 engaged in the walls of the corresponding bracket. The brackets 14 are preferably of channeled metal, the slots 15 and 16 being formed in the walls of the casting. The slots 16 are open at the lower edge of the casting permitting the corresponding leg to swing into folded position, the upper end of the leg contacting with the lower edge of the slot 15 indicated at 18, to limit the swing of the leg. The brackets *z* are shown provided with stops indicated at 19 to contact with an arm of the adjacent casting 10 to limit the vertical folding movement already described.

The standards or posts *j*, *k* and *l*, *m* are preferably connected toward their lower ends as shown at 20 and 21 and provided with casters 22.

It will be seen that my improved bedstead comprises certain fixed portions, as the fixed standards or posts at the rear thereof, having in combination therewith a spring frame and head and foot portions arranged to fold inwardly, said portions folding with the spring frame into upright position between said fixed posts, and are weighted at one side of the vertical center so that the leg, when the spring frame is unfolded, will drop automatically by gravity into place. The folding legs are shown weighted at one side the vertical center by means of a curved, outwardly extending portion 26, the construction being such that the weight will automatically throw the leg forward and prevent the leg from making a miss in dropping into place.

The folding or drop legs 13 are preferably each provided with a solid rubber foot indicated at 23.

While the curtain rod *r* may be secured in place in any suitable manner, as already described, I find it desirable and efficient to provide the uprights *k* and *m* with castings 24, each provided with a socket 25, the ends of the curtain rod being turned down and engaged in the corresponding sockets.

I prefer that the rail 9 should have a dove-tailed engagement with the pipe fittings 8, as shown, so that the spring frame with the folding head and foot portions may be read-

ily removed from the supporting standards *j*, *k* and *l*, *m*, and their connecting cross rail *d*. This will obviously greatly facilitate taking down the bed frame, as it may be handled in sections for storage and shipping and moving. The spring frame, with its folding head and foot portions may, thus, for example, be readily folded for moving up and down narrow stairways. By providing the supports *j*, *k* and *l*, *m* with casters, the entire bed may readily be moved about into position as desired.

It will be observed that owing to the cross bars *e*, *f* being trunnioned upon the rail 9 intermediate the extremities of the cross bars, a corresponding proportion of the weight of the spring frame and related folding parts is at the rear of the trunnions, thereby materially relieving the operator from handling the entire weight of the folding bed frame in folding it into upright position, inasmuch as the proportion of the weight thereof at the rear of the trunnions will, of course, to a corresponding extent counterbalance the weight of the frame to be lifted in folding the bedstead into upright position.

No additional means are required to hold the mattress and bed clothing in place than simply the folding inward of the head and foot portions, as above specified.

The simplicity of the construction of my improved bedstead is evident.

What I claim as my invention is:

1. A metal bedstead comprising fixed posts at the rear side of the bedstead, head and foot cross bars provided with upwardly extended brackets at the extremities thereof, head and foot portions jointedly connected with said brackets, whereby said portions may fold inwardly and downwardly upon the bedding, means to clamp the head and foot portions in desired position, a front rail connecting the front extremities of said cross bars, a rear fixed rail connecting said posts said cross bars trunnioned upon said fixed rail and removable therefrom.

2. A metal bedstead comprising fixed posts at the rear side of the bedstead, a fixed rail connecting said posts; head and foot cross bars provided with upwardly extended brackets at the extremities thereof and trunnioned upon said fixed rail and removable therefrom, a front rail connecting said cross bars, head and foot portions jointedly connected with said brackets above said cross bars whereby said portions may fold inwardly and downwardly upon the bedding, means to hold the head and foot portions in desired position, and folding legs connected with the front ends of said cross bars whereby said cross bars, together with said head and foot portions and connecting front rail may fold rearwardly into upright position.

3. A metal bedstead comprising head and

foot cross bars provided with upwardly extended brackets at the extremities thereof, folding head and foot portions jointly connected with said brackets to fold inwardly and downwardly upon the bedding, means to clamp the head and foot portions in desired position, fixed posts toward the rear of the bedstead, a fixed rail connecting said posts, upwardly projecting brackets upon said fixed rail provided with open slots at their upper extremities, said cross bars trunnioned upon the brackets of the fixed rail.

4. A metal bedstead comprising fixed posts at the rear of the bedstead, a fixed rail connecting said posts, a bed frame provided with cross bars trunnioned upon said rail and removable therefrom, and head and foot portions jointly connected with the extremities of the bed frame and spaced therefrom to fold inwardly, and downwardly upon the bedding, said bed frame being trunnioned upon said rail forward of the rear extremities of said cross bars to throw a portion of

the weight of the bed frame to the rear of the trunnions.

25

5. A metal bedstead comprising fixed posts at the rear of the bedstead, a fixed rail connecting said posts, a bed frame comprising head and foot cross bars trunnioned upon said rail and removable therefrom whereby the bed frame may be folded toward the rear thereof into upright position, head and foot portions arranged to fold inward and downward over the mattress and bed clothing, and means to clamp the head and foot portions in desired position to hold the mattress and bed clothing in place when the bed frame is elevated into upright position.

30

35

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

40

WILLIAM A. WYLIE.

Witnesses:

N. S. WRIGHT,

E. M. SPIELBURG.