R. WAGNER & H. E. FRIEDRICH.

Woven-Wire Bed and Bolster.

No. 225,737. Patented Mar. 23, 1880.

Fig 1

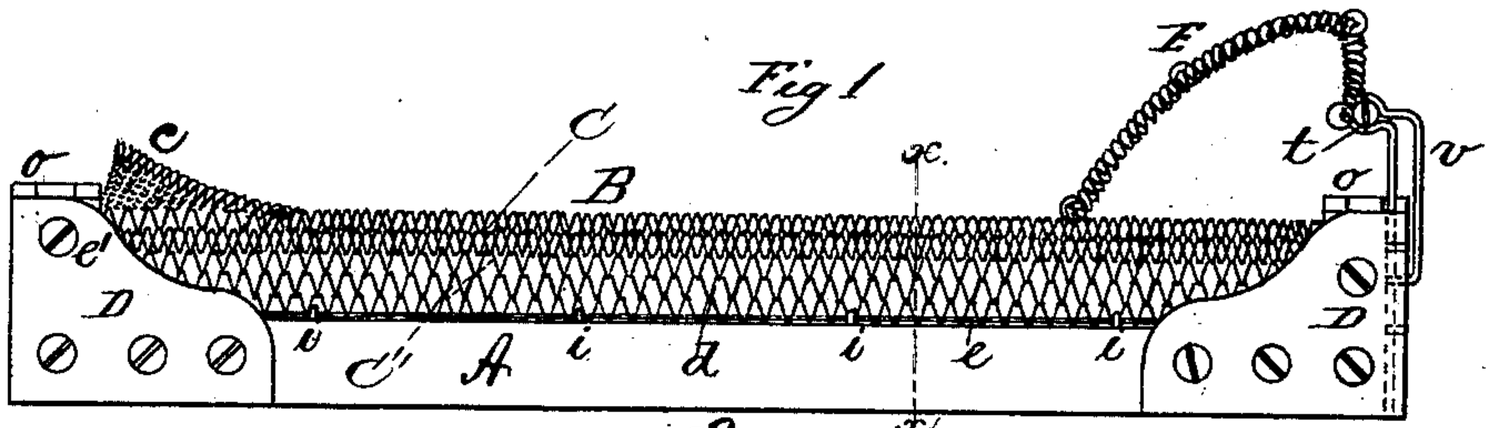


Fig 4.

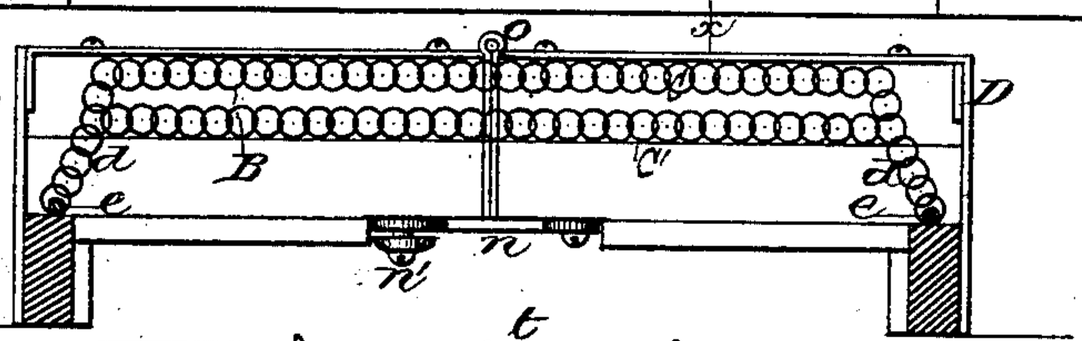


Fig 2.

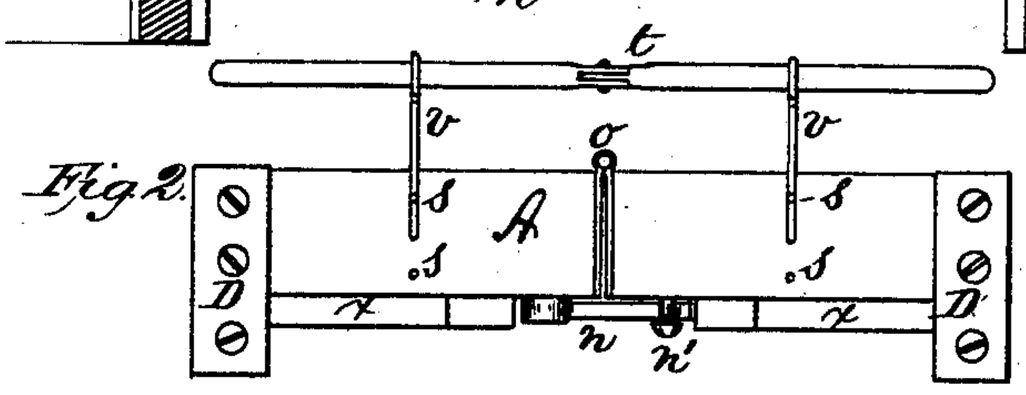
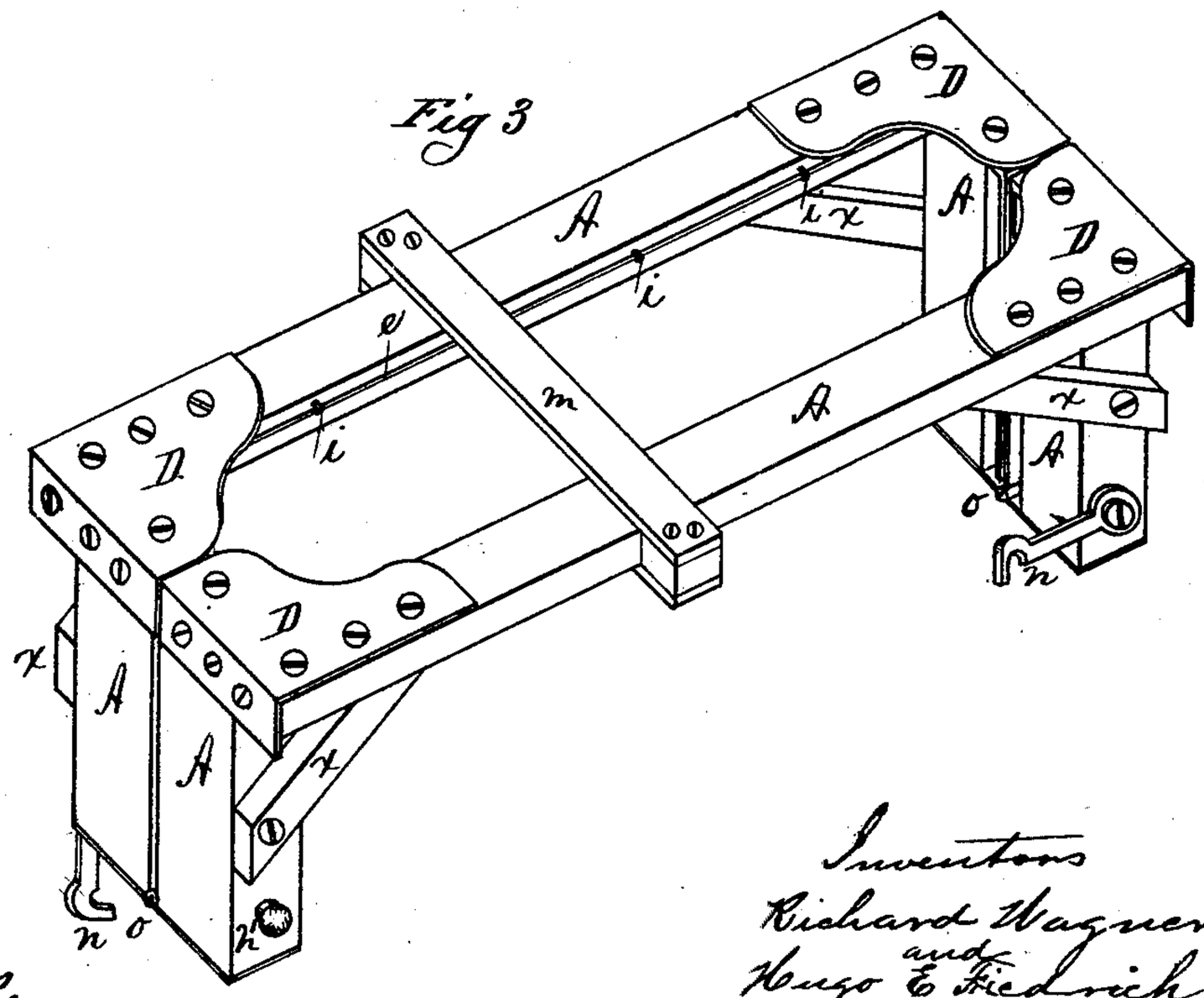


Fig 3



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UNITED STATES PATENT OFFICE.

RICHARD WAGNER AND HUGO E. FRIEDRICH, OF HOLYOKE, MASS.

WOVEN-WIRE BED AND BOLSTER.

SPECIFICATION forming part of Letters Patent No. 225,737, dated March 23, 1880.

Application filed April 14, 1879.

To all whom it may concern:

Be it known that we, RICHARD WAGNER and HUGO E. FRIEDRICH, both of Holyoke, county of Hampden, and State of Massachusetts, have invented new and useful Improvements in Woven-Wire Beds and Bolsters, which improvements are fully set forth in the annexed specification and in the accompanying drawings.

Our invention relates to that class of beds in which wire constitutes the bed-bottom and bolster; and it consists in the combination, with a bottom composed of two mats and with side sections, of a bolster and a folding frame and appliances, fully described hereinafter, whereby the whole may be folded into a small compass or extended to form a strong, elastic, and durable bed.

Referring to the drawings, which consist of four figures, Figure 1 is a side elevation of our improved bed. Fig. 2 is an end elevation of one end of the bed-frame, showing the hinged rod and its supports, to which one edge of the bolster is secured. Fig. 3 is a view of the bed-frame folded up; and Fig. 4 is a transverse section on the line *x x*, Fig. 1.

In the drawings, A is the bed-frame. B is the double plane portion of the woven-wire bed. *d* is the single woven side of the same. *c* is a turned-up corner of the upper one of the two woven-wire mats C and C′. *e* is a rod running longitudinally along the upper edge of frame A, and to which the edge of the part *d* of the bed is secured. *i* are staples securing rod *e* to frame A. D are metallic strengthening-plates on the corners of frame A. *n* is a hook, and *n′* a button, by which frame A is secured in a spread position. *m* is a clamp. *o* are hinges uniting the two portions of frame A. E is a woven-wire bolster. *t* is a hinged rod, to which the free edge of bolster E is secured. *v* are supports to rod *t*. *s* are stop-holes in frame A, to receive the bent ends of supports *v*.

Like letters refer to like parts in the several figures.

We construct our improved bed by making its frame A in two longitudinal sections united by hinges *o*, and arranged to be secured in a flat or open position by hooks *n* and buttons *n′*, as shown, each section being properly braced by braces *x*, and the corners strengthened by plates D, secured thereto.

To each end of frame A we secure the two ends of two separate woven-wire mats, C and C′, laying one over the other, uniting their edges along the sides of frame A to the upper edge of the narrow single woven section *d*, and the lower edge of the latter is secured to the edge of the side rails of frame A by rod *e*, and the latter to said rails by staples *i*. Near one end of the bed we secure to the surface of mat C, across the same from side to side, one edge of the woven-wire bolster E, and secure the opposite edge of said bolster to the jointed rod *t*. Said bolster is constructed to take the form shown when attached to the bed and to its supporting-rod *t*, with a wide curved upper portion, and having its free edge bent down toward the end of the frame A. Secured to jointed rod *t* are two double-ended supports, *v*, one of which ends enters a hole in frame A vertically, and the lower end of the other reaches outside of and is bent toward the face of the end of the frame, and is arranged to enter perforations *s* therein.

We find that we obtain more strength and elasticity by making our bed of two separate mats (laying one upon the other) than by using the same weight of wire in a single mat. By uniting them at their edges with the single mat *d*, and securing the latter to the edge of frame A, as described and shown, we support the double mats along their sides against too great deflection.

The adjustable bolster E may be used as a reclining support for invalids; or, when lowered, it will serve for either a bolster or pillow. It is shown in a partially-elevated position, from which it may be lowered or raised by adjusting the bent ends of supports *v* in holes *s* in the end of frame A.

To fold the bed in the form shown by Fig. 3, we detach the supports *v* from frame A and lay the bolster over flat upon the mat C. Then, unhooking hooks *n*, fold upwardly the two sides of frame A into the position shown in Fig. 3, and (for transportation) hook clamp *m* across it, as shown.

When bolster E is laid upon mat C, as above

mentioned, rod *t* lies across it, and the joint therein allows it to bend up and adjust itself to the form of the folded bed, within which it is shut.

What we claim as our invention is—

The combination, with the folding frame A, of the two superposed woven-wire mats C and C′, the single woven-wire sections *d*, the woven-wire bolster E, the jointed rod *t*, and supports *v*, substantially as and for the purpose set forth.

RICHARD WAGNER.
HUGO E. FRIEDRICH.

In presence of—
H. A. CHAPIN,
WM. H. CHAPIN.