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PATENTED DEC. 4, 1906.

F. BOGARDUS.  
FOLDING CRIB.

APPLICATION FILED DEC. 22, 1904. RENEWED OCT. 30, 1906.

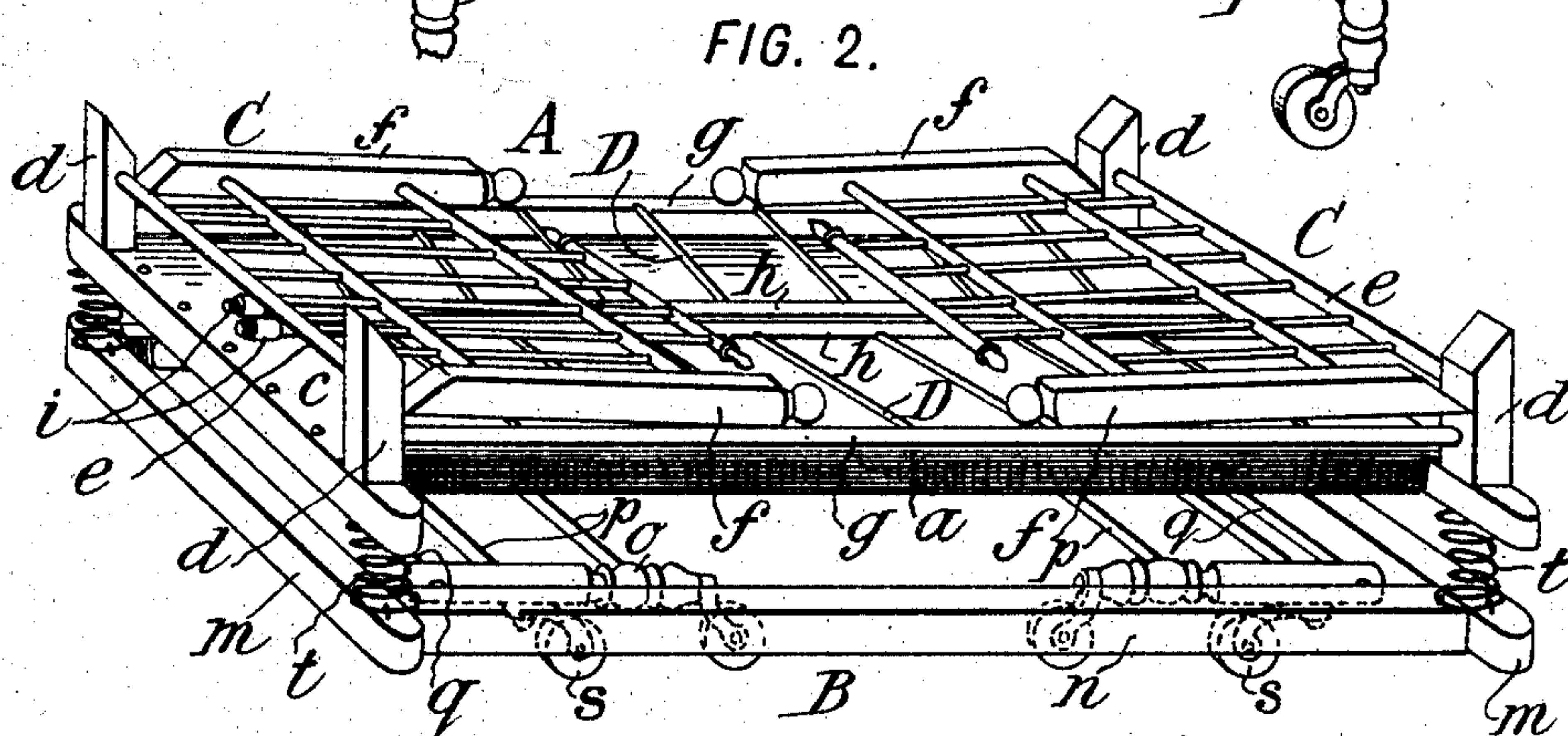
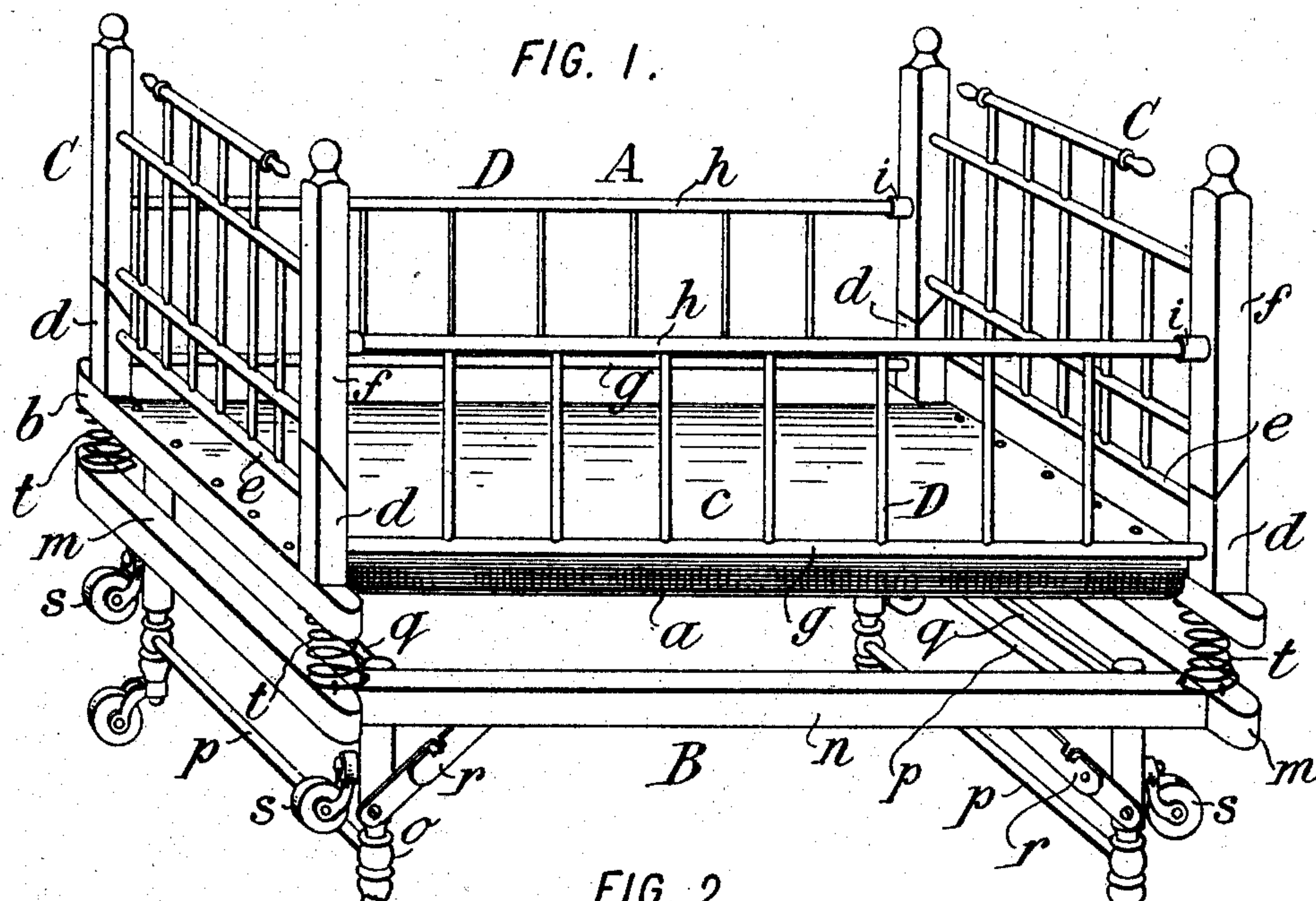
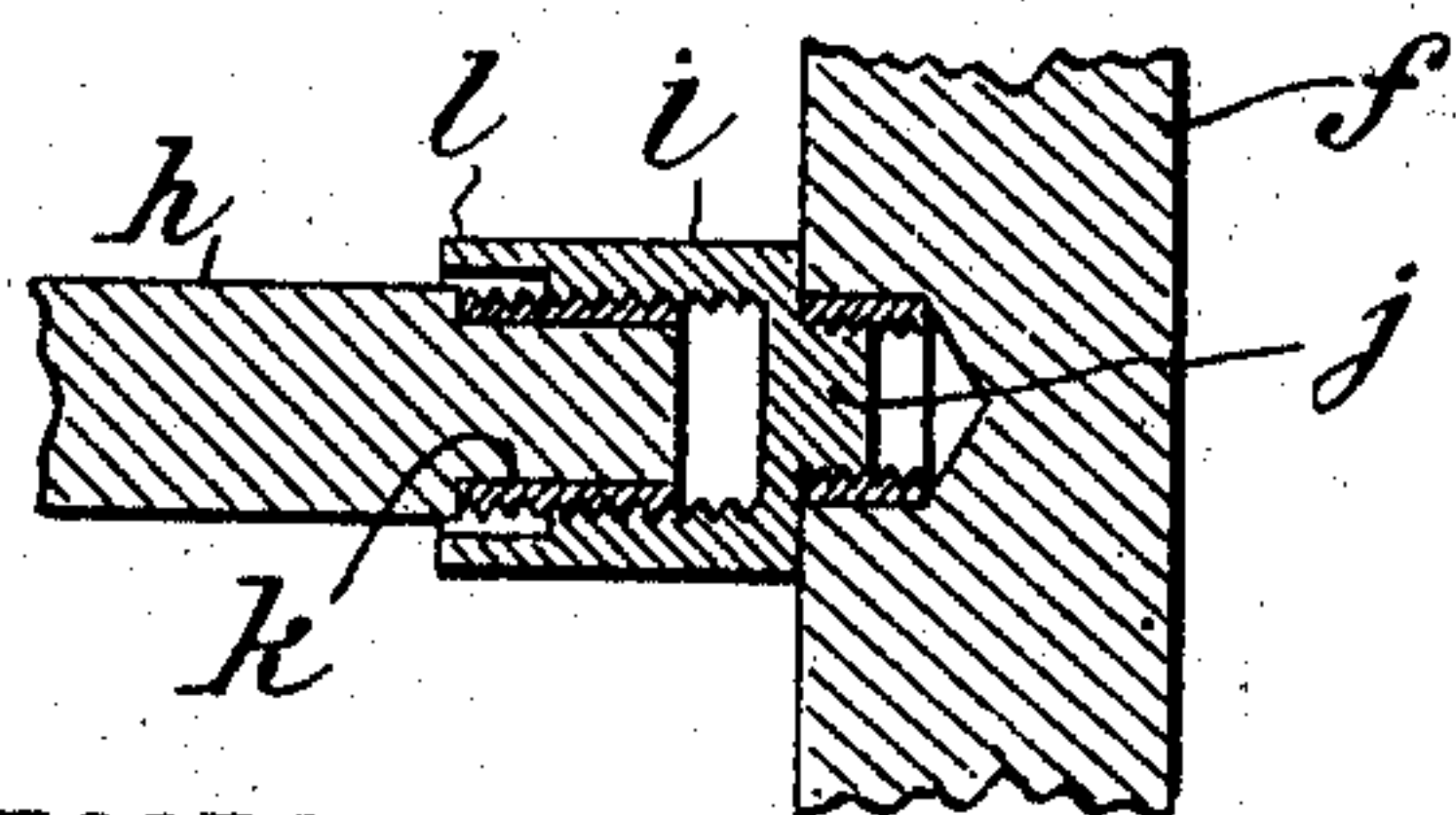


FIG. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

FRANK BOGARDUS, OF TORRINGTON, CONNECTICUT.

## FOLDING CRIB.

No. 837,278.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed December 22, 1904. Renewed October 30, 1906. Serial No. 341,313.

*To all whom it may concern:*

Be it known that I, FRANK BOGARDUS, a citizen of the United States, residing at Torrington, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Folding Cribs, of which the following is a specification.

This invention relates to folding cribs for children's use and aims to provide certain improvements therein.

My invention provides a crib of this character which is of extremely simple construction, which may be compactly folded into small compass, so that it may be easily transported or stored, and which may be cheaply and economically manufactured.

In the accompanying drawings, which illustrate my invention in its preferred form, Figure 1 is a perspective view showing the crib open in position for use. Fig. 2 is a similar view illustrating the crib in its folded condition. Fig. 3 is a sectional view of a detail.

Referring to the drawings, let A designate the upper or body portion of the crib, and B its lower or base portion. The body portion A in its preferred form is provided with a rectangular bottom frame composed of side bars *a* and end bars *b*, firmly connected together in any well-known manner and adapted to support a mattress or other bedding. Preferably a bottom *c*, of cloth or other material, is provided, as shown, or slats or springs may be substituted, if desired.

The ends C and sides D of the crib are constructed as swinging frames adapted to fold down upon the bottom, as shown in Fig. 2, for this purpose being connected to the bottom frame by any suitable hinge-joint. My invention provides a novel form of hinge connection for this purpose. At each of the four corners of the bottom frame I provide a projection *d*, extending upwardly from the frame, such projection being preferably in the form of a short upright post, as shown, and being by preference constructed as a continuation of one of the frame-posts of the crib. In the construction shown the frame-posts are formed as parts of the end frames of the crib; but they may constitute parts of the side frames, if desired. The projections or posts *d* preferably serve as bearings for both the side and end frames of the crib. To this end each of the end frames C has at its lower part a rod *e*, the ends of which extend beyond the frame and turn in sockets or recesses formed in the opposite posts, so that the en-

tire frame may swing downward toward the bottom of the crib around the axis of the rod *e*.

To prevent the frames from swinging in an opposite direction past a substantially vertical position, the posts *d* are each formed with an oblique face, and the frame-posts *f* are formed with corresponding faces which engage those of the posts *e*. In process of construction the posts *d* and *f* may be formed integrally and cut obliquely to separate the two parts. Any other suitable means may be provided to hold the frames in their upright positions. The side frames D are also provided with rods *g*, similar to the rods *e* of the end frames, which turn in sockets formed in the posts *d*, whereby the side frames are also hinged to the posts and may be folded along the bottom of the crib.

Instead of utilizing the ends of the rods *e* and *g* I may provide the side and end frames with any other form of projection which is adapted to enter the sockets formed in the posts *d* and with the same form hinges for the frames. Means are also provided for maintaining the side frames in their upright positions, preferably by connecting them to the end frames, so that the body portion of the crib shall be strong and rigid when the crib is in use. To this end I may provide the side frames with an upper rod *h*, the ends of which project beyond the frame sufficiently to enter recesses formed in the frame-posts *f*, the end frames being sprung back far enough to permit the entrance of the ends of the rod. Preferably, however, the ends of the rods *h* (or some other convenient portions of the frames) are provided with screw-threaded nuts *i*, which are formed with threaded projections *j*, (see Fig. 3,) which are designed to screw into recesses in the frame-posts *f*, in this case the latter being threaded to engage the projections. A threaded thimble or ferrule *k* may be provided at each end of the rods *h*, if desired, upon which the nuts *i* may travel. The nuts *i* are also preferably provided with extensions *l*, designed to cover the threaded portions of the rod when the nuts are screwed into place. This construction avoids the necessity of springing back the end frames and affords a convenient and simple connection between the parts.

The lower or base portion B comprises a rectangular frame having end bars *m* and side bars *n* and having two pairs of legs *o*, pivoted to the frame at opposite ends, as shown. Each pair of legs has its two members con-



nected together by rods *p* and is provided with an upper rod *q*, the ends of which turn in sockets formed in the two side bars of the frame. Each pair of legs is designed to fold up within the frame, as shown in Fig. 2, break-jointed or step-ladder braces *r* being provided to hold the legs in their extended positions.

I preferably provide a means for readily moving the crib along the floor either in a folded or partly-folded position. In the construction shown this comprises a set of casters *s*, one swiveled to each of the legs at the side of the latter which is toward the end of the crib, so that when the legs are folded upwardly to lie along the base-frame the casters will assume the proper positions for supporting the crib. If desired, the legs may be folded up while the body portion is still open, and the crib may be moved from place to place without disturbing the child.

I prefer to interpose between the body portion of the crib and the base portion a set of spiral springs *t*, arranged at the four corners of the crib, which are designed to permit a vertical or lateral movement of the body portion for a purpose well understood.

It will be understood that the improvements provided by my invention are applicable to beds or other similar devices as well as to cribs for children's use.

While I have described in detail the preferred construction of my invention, it will be understood that I do not wish to be limited to the particular structure described, as many changes may be made therein without departing from my invention.

I claim as my invention the following defined novel features, substantially as hereinbefore specified, namely:

1. A folding crib having upwardly-extending projections, and having frames normally extending above said projections, and hinged to said crib below the tops of said projections, said frames adapted in their normal positions to engage said projections above the points at which they are hinged to the crib.

2. A folding crib having a bottom provided

with upwardly-extending posts, and frames pivoted to said bottom below the tops of said posts and having posts forming continuations of said first-named posts, and bearing against the latter above the pivotal points of said frames.

3. A folding crib having a bottom portion provided with upwardly-extending posts at its corners, and frames hinged to said posts below the tops thereof, and having posts forming continuations of said first-named posts, and engaging the latter above the points at which said frames are hinged.

4. A folding crib having a bottom portion provided with upwardly-extending posts at its corners, and two end frames and two side frames hinged to said posts, said frames each having members turning in sockets formed in said posts below the tops thereof, and one set of said frames having posts forming continuations of said first-named posts, the posts of the several parts engaging each other above said sockets and being adapted to limit the movements of the frames.

5. A folding crib having a body portion and a base portion, the body portion having side and end frames adapted to fold down along the bottom thereof, and said base portion having legs adapted to fold upwardly beneath the base portion.

6. In a folding crib, a swinging frame, a member adapted to hold said frame in position, and a nut carried by one of said parts and adapted to screw into the other of said parts.

7. In a folding crib, a swinging frame, a member adapted to hold said frame in position, and a nut carried by one of said parts and adapted to screw into the other of said parts, said nut being interiorly screw-threaded and having a screw-threaded projection *j* and extension *l*.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

FRANK BOGARDUS.

Witnesses:

WILLIAM W. BIERCE,  
MARY B. COGSWELL.