C. T. YOUNG.

Bedstead.

No. 19,008. Patented Dec. 29, 1857.

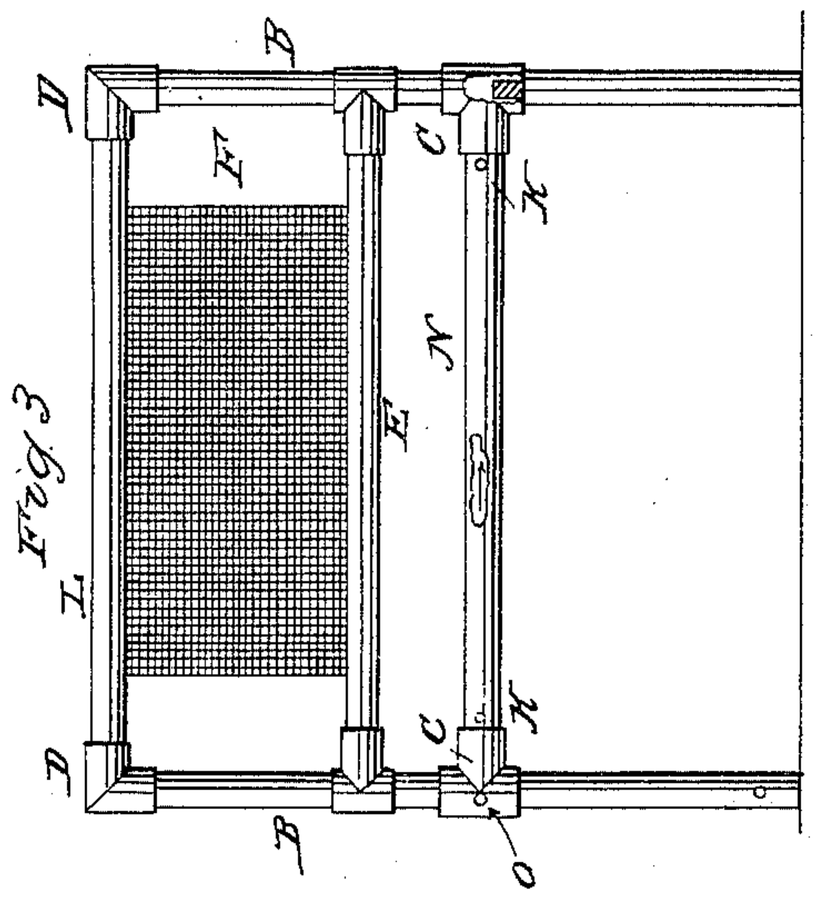

Fig. 3

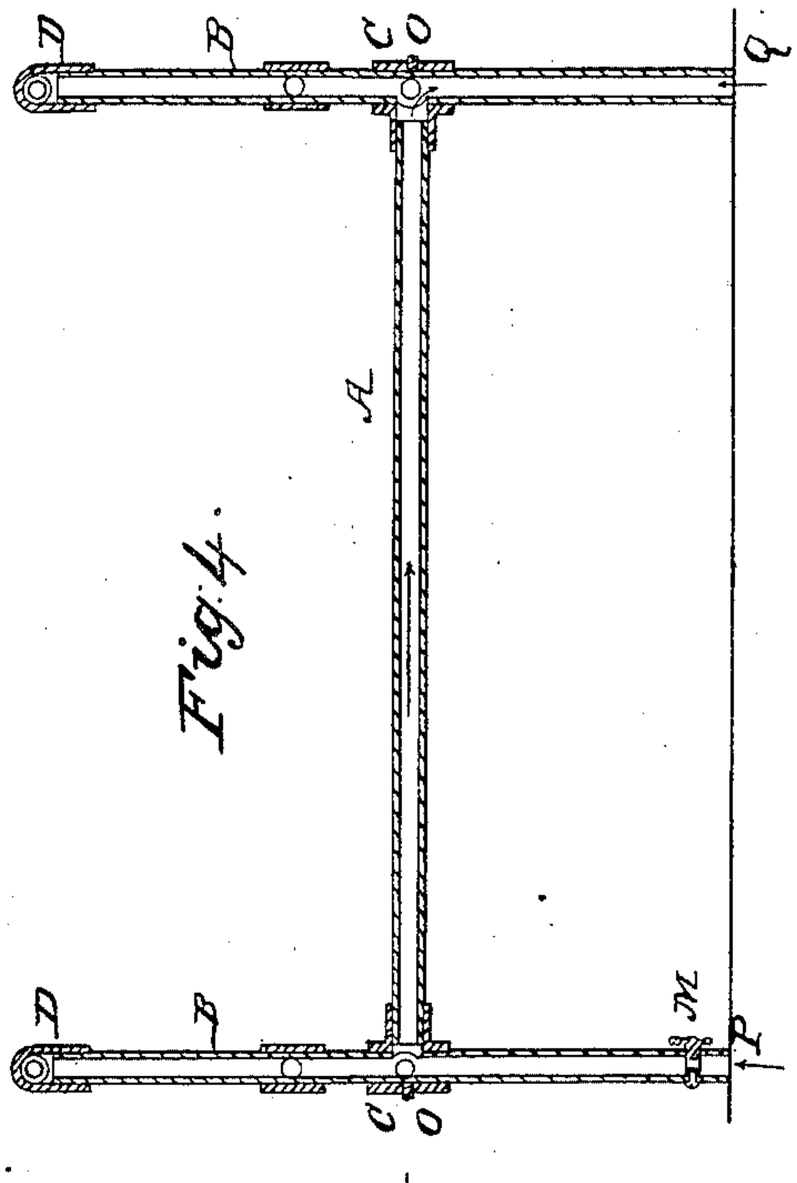

Fig. 4.

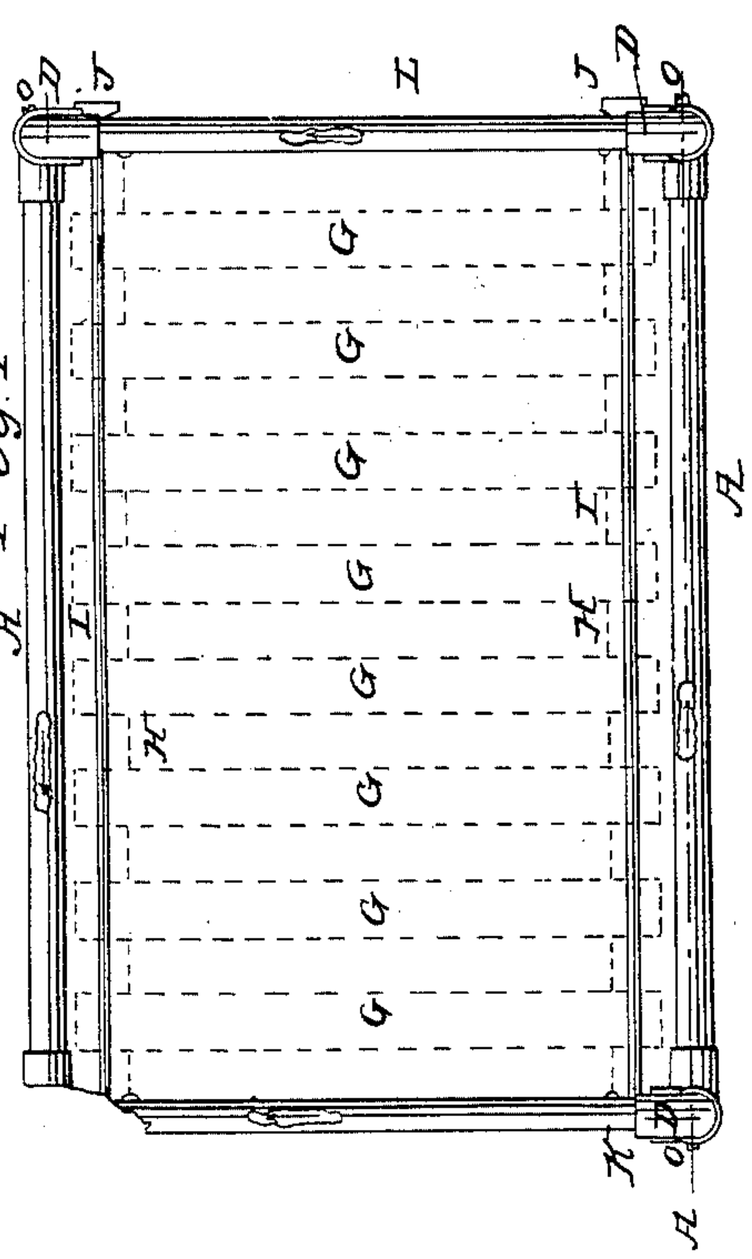

Fig. 1

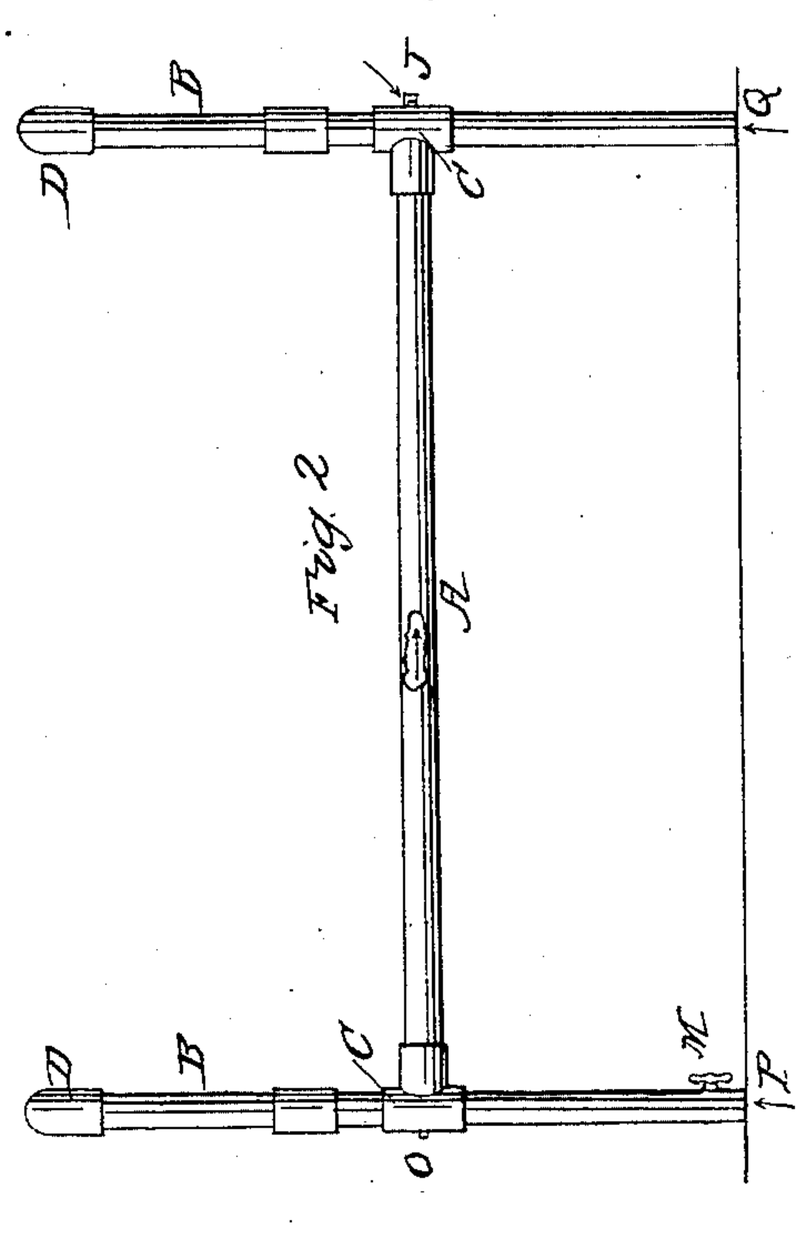

Fig. 2

UNITED STATES PATENT OFFICE.

CHAS. T. YOUNG, OF NORTH CHELMSFORD, MASSACHUSETTS, ASSIGNOR TO HIMSELF, AND HENRY CROWTHER, OF LOWELL, MASSACHUSETTS.

STEAM SPRING-BEDSTEAD.

Specification of Letters Patent No. 19,008, dated December 29, 1857.

To all whom it may concern:

Be it known that I, CHARLES T. YOUNG, of North Chelmsford, in the county of Middlesex and Commonwealth of Massachusetts, have invented a novel and useful Steam Spring-Bedstead; and I hereby declare that the following specification, in connection with the accompanying drawings and references thereon, constitute a lucid, clear, and exact description of the construction and use of the same in referring to said drawings.

Figure 1, denotes a plan or top view. Fig. 2, a side elevation of the same. Fig. 3, an end view or elevation of it. Fig. 4, a longitudinal and vertical section on line A, B, of Fig. 1.

The nature of my invention consists in so constructing my bedstead that steam may be circulated through it, to warm the bed or room and in the arrangement whereby any desired elevation may be given the bed, and in the arrangement whereby the elasticity of the rails of the bedstead is made applicable to support, elastically the bedding thereon, all as hereafter set forth.

Construction.—To enable persons skilled in the art to which my invention appertains to construct and carry out the same I will describe it as follows. I construct the posts of hollow metal tubing seen at B in all the figures of the drawing. To the top of these posts I secure an elbow seen at D in all the figures. Two posts are connected together for the foot, and two for the head of the bedstead by the cross tubes seen at L and N, Figs. 1 and 3 being screwed tightly into the elbows D. Below the tube L and above the bedding I fix a smaller tube as seen at E. Fig. 3 on to which I fasten the material for the head and footboard which may be wire netting seen at F or any other desired substance. The tubes E and L are so connected to the tube posts B that steam may pass into or through all of them. I now construct four couplings seen at C with a perpendicular hole through each sufficient to be passed up on to, and be secured in any desired position on the posts B by means of the set screws O Figs. 1, 2, 3, and 4; these couplings are connected together crosswise of the bed by the tube N Fig. 4 which is screwed into them steam tight, and which constitute the head and foot or cross rails to the bedstead; the long rails can be seen at A and are likewise hollow metal tubes, and are fitted tight to holes formed in the coupling C. Two rods I running horizontally with the bedstead and through the cross rails seen at N to hold the bedstead firmly together by the nuts and heads K and J Fig. 1; the rods I support the slats G which are kept in position by the cords H.

A stop cock seen at M may be properly fitted to one of the posts of the bedstead seen at B, or to any other part of the tubing to let the hot steam circulate through to both warm the room and render the occupant of the bed comfortable; the steam passes into one of the posts B as seen at P, at one post thence through all the tubing composing the bedstead and thence out of another of the posts B seen at Q.

By loosening the set screws O the rails A and N and bedding upon them may be elevated or lowered as desired and secured firmly in such adjusted position as desired by turning up the set screws O which had been previously loosened; this is an entirely novel, and a very valuable arrangement for giving an adjustable elevation to the bed as desired, in a moment's time.

Bedsteads constructed of tubing as invented by me are much lighter than the old wooden bedstead, as will be readily apparent, and in addition the bedstead is permanently elastic to a degree impossible to attain in any other manner or where wood is used for construction, so that a sufficient elasticity exists in my bedstead.

It will be seen that the elasticity is brought about as follows: As the persons place themselves upon the bed the downward pressure causes the rails to vibrate sidewise thus imparting an elasticity or yielding to the bedding and consequently an easy sustaining surface to the persons reposing upon them; thus the spring or elasticity for the bed is effected by the rails themselves, so that the spring is the rails and of course part of the bedstead.

I do not claim constructing bedstead of

metallic tubing, as such is old and well known.

What I claim as my invention and desire to secure by Letters Patent, is,

The rods I, connected to the end rails N, when these rails and the side rails A, are connected by a common coupling to the bed post, arranged as, and for the purposes fully set forth.

CHARLES T. YOUNG.

Witnesses:
E. W. SCOTT,
HENRY CROWTHER.