

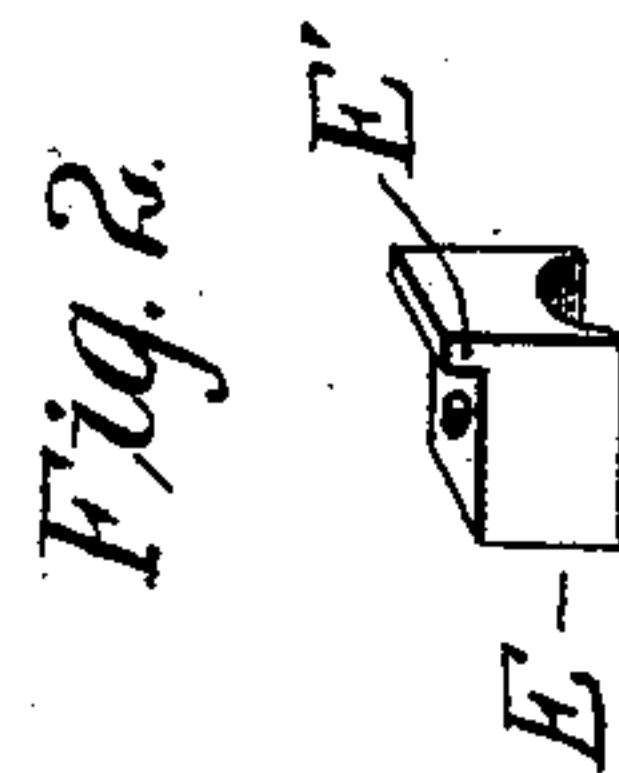
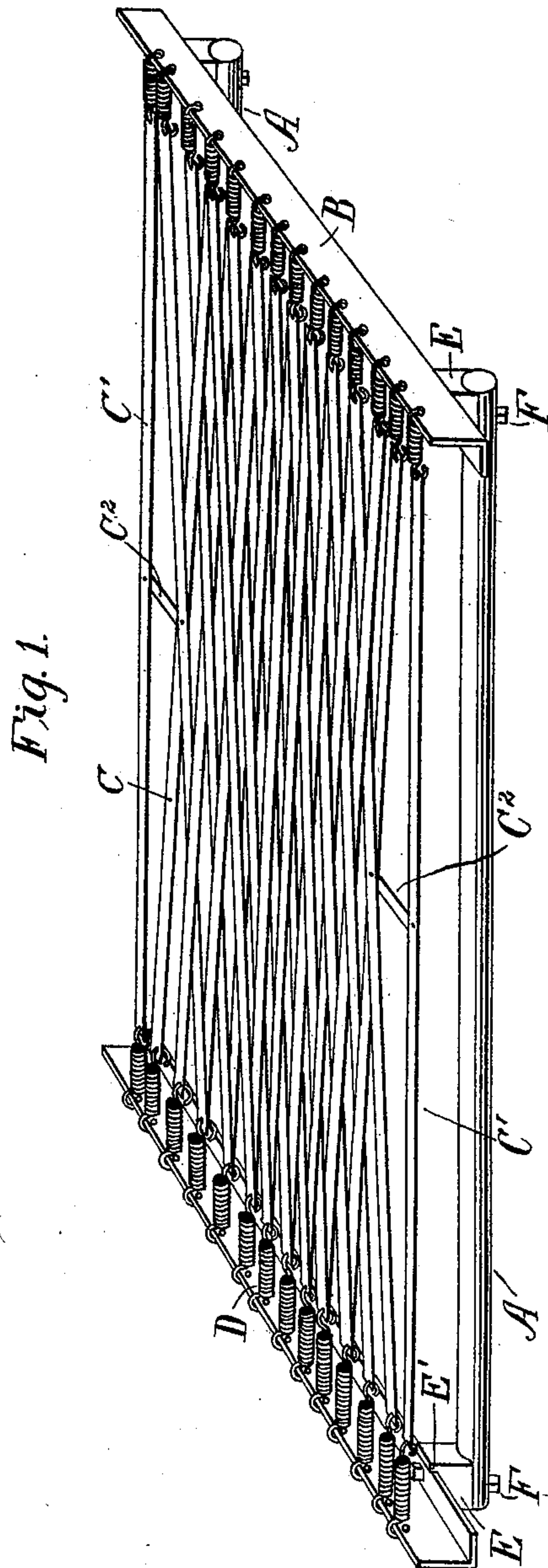
No. 614,221.

Patented Nov. 15, 1898.

A. G. DUWE.  
SPRING BED BOTTOM.

(Application filed Nov. 26, 1897.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

ADOLF G. DUWE, OF NEW YORK, N. Y., ASSIGNOR TO OSCAR E. A. WIESSNER, OF SAME PLACE.

## SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 614,221, dated November 15, 1898.

Application filed November 26, 1897. Serial No. 659,728. (No model.)

*To all whom it may concern:*

Be it known that I, ADOLF G. DUWE, a subject of the Emperor of Germany, and a resident of New York, (Brooklyn,) in the county of Kings and State of New York, have invented a certain new and useful Spring Bed-Bottom, of which the following is a specification.

This invention relates to spring bed-bottoms, and has for its object the construction of such bottoms in a durable, inexpensive, and convenient form.

Another object of the invention is to so construct a spring bed-bottom that joints between adjacent members or portions of the resilient surface of said bottom shall be dispensed with.

With these objects in view the invention consists in the construction and combination of parts hereinafter fully described, and set forth in the claim.

In the accompanying drawings, which form a part of this specification, the improved bed-bottom is represented in perspective in Figure 1, a detail being shown in Fig. 2.

It consists of the longitudinal side bars or rails A, the cross or end rails B, the slats C C', and the terminal springs D. The side rails are preferably constructed of cylindrical tubes or rods and the end rails of angle-iron, as shown, though the forms of both of these parts may be changed, if desired. The end rails are mounted upon the side rails by means of the blocks E, which are grooved at their lower side to fit the rails A, thereby preventing them from turning thereon, and have a flange E' at the upper edge to prevent rails B from turning on the blocks. Bolts, as F, are passed through said blocks and rails to join the whole together.

The slats C may be made from any suitable material, but preferably of galvanized iron, each slat being connected at its end to one of the spiral springs D, which in turn are connected to the cross-rails B. These slats may extend parallel to one another throughout the length of the bed-bottom, but preferably they are arranged obliquely thereto and inter-

woven to a greater or less extent, as found most desirable in the production of the desired resiliency. In the general oblique arrangement of the slats it is preferable that the outermost ones, as indicated at C', be parallel to the side rails A, and also that said slats C' be connected to one or more of the oblique slats, as by the short cross-slats C<sup>2</sup>, which may be connected at their ends to the respective slats in any suitable way, as by riveting.

In bed-bottoms composed of spiral springs continuous from one end rail to the next, and also in a bed-bottom composed of small parts linked or joined together throughout its extent, the mattress or the tufts thereof are liable to catch between the spirals of the springs or between the pieces jointed, as just stated, and either tear the tick or strip the tufts. The slatted construction obviates these difficulties and is preferable to the other constructions.

I am aware that it is not new to construct a bed-bottom of interwoven slats supported at their ends by helical springs, and I lay no claim, broadly, to such an arrangement.

I claim as my invention—

A spring bed-bottom consisting of the cylindrical side rails A, the angle-bar end rails B, the flanged blocks E, fitted to said rails to insure rigidity in their rectangular relation, the flexible slats C, interwoven with one another and extended obliquely from one end rail to the other, the outside slats C', extending directly from one end rail to the other, the short cross-slats C<sup>2</sup>, joining the outside slats to the proximate oblique slats, and helical springs D, connecting the slats C and C', to the end rails, all substantially as and for the purpose set forth.

Signed at New York, in the county of New York and State of New York, this 20th day of November, A. D. 1897.

ADOLF G. DUWE.

Witnesses:

WM. H. CAPEL,

DELBERT H. DECKER,