G. C. STACKHOUSE.

SPRING CONSTRUCTION.

APPLICATION FILED MAY 29, 1911.

1,011,515. Patented Dec. 12, 1911.

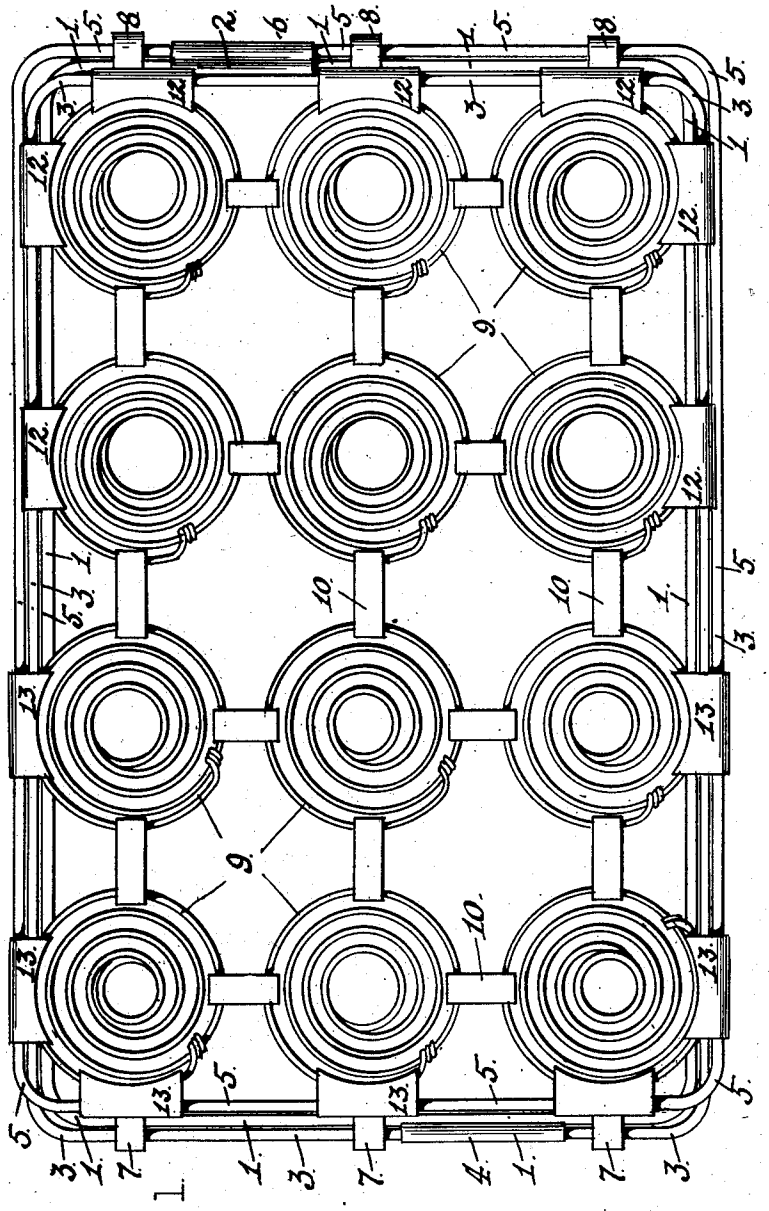


Fig. 1.

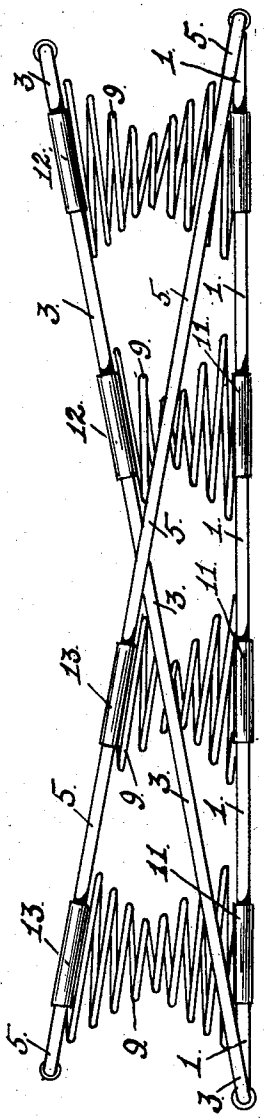


Fig. 2.

Witnesses

Arthur L. Slee

S. Constine.

Inventor

George C. Stackhouse

by Wm. F. Booth

his Attorney.

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE C. STACKHOUSE, OF OAKLAND, CALIFORNIA, ASSIGNOR TO PACIFIC SPRING BED COMPANY, OF WEST BERKELEY, CALIFORNIA, A CORPORATION OF CALIFORNIA.

SPRING CONSTRUCTION.

1,011,515. Specification of Letters Patent. Patented Dec. 12, 1911.

Application filed May 29, 1911. Serial No. 630,063.

To all whom it may concern:

Be it known that I, GEORGE C. STACKHOUSE, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Spring Construction, of which the following is a specification.

My invention relates to the class of spring constructions.

Though applicable for many purposes, my invention is especially intended for a wagon-seat. Its objects are to lengthen the life of the springs and to give greater comfort to the driver. These results are attained by preventing the lateral distortion of the springs, thereby keeping them from bending out of shape and avoiding the pitching effect on the driver.

My invention consists in the novel spring construction, which I shall hereinafter fully describe and claim by reference to the accompanying drawings in which—

Figure 1 is a plan of my spring construction. Fig. 2 is a side elevation of the same.

The base member consists of a border piece or wire 1 bent to required shape and size, its ends being coupled in the sleeve 2. The top member is duplex. One of its parts is the border piece or wire 3 bent to shape and size, its ends being coupled in the sleeve 4. The other part is the border piece or wire 5 which is likewise bent to shape and size, its ends being coupled in the sleeve 6. The border wire 3 at one end extends down to and lies parallel with one end of the border wire 1 of the base member and is coupled thereto by links 7; its other end lies above and is free of the other end of the border wire of the base member, except for the intervening springs. In like manner though in reverse arrangement, the other border wire 5 of the top member is directed, that is to say, at one end it extends down to and lies parallel with the other end of the border wire 1 of the base member and is connected thereto by the links 8, while its other end lies above and is free of the first end of said base member.

9 are the springs connected together in an articulated series, by clips 10. The border springs at their bases are connected to the border wire 1 of the base member by clips 11. At their tops one-half of the border springs are connected by clips 12 to the upper half of the border wire 3 of one part of the top member, and the other half of said springs are connected by clips 13 to the upper part of the border wire 5 of the other part of the top member. It will be seen from this construction that the top member is braced from endwise movement relatively to the base member, and consequently the springs 9 cannot be distorted or bent over in this direction. The top member is also, though not so rigidly braced against forward and back movement, because the lower ends of its parts are coupled to the base member. But furthermore, in the application of the device to a wagon-seat, the forward and back movement of the top member is not a matter of much discomfort and in any case this movement is resisted by the bracing of the driver's feet against the foot board. It follows, therefore, that the springs will not be subject to lateral distortion and will not be bent out of shape, nor will the driver be pitched about.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is—

In spring construction, a border piece forming the base member; a top member composed of two independent border pieces, each of which has one of its ends coupled to the border piece of the base member at opposite ends of said base member, said border pieces of the top member thence oppositely inclining upwardly, to their other ends; and a system of springs, said springs being connected at their bases to the border piece of the base member, and connected at their tops, some to the upper portion of one of the border pieces of the top member and the remainder to the upper portion of the other border piece of said top member.

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

GEORGE C. STACKHOUSE.

Witnesses:

H. LUEDERS,

A. S. WICKERSHAM.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."