

W. H. SLEIGHT.
BED BOTTOM FABRIC.
APPLICATION FILED APR. 8, 1910.

969,568.

Patented Sept. 6, 1910.

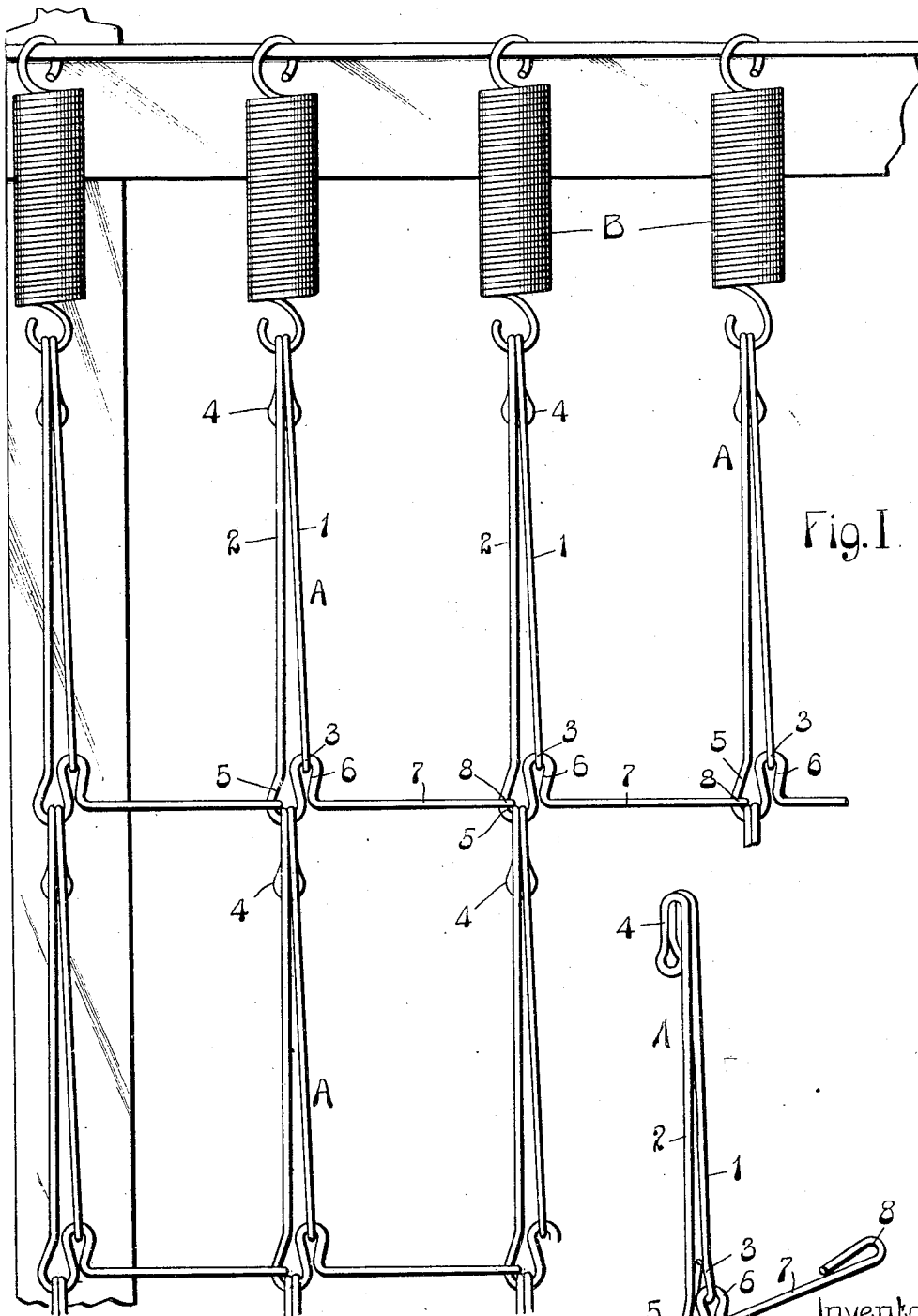


Fig. I.

Attest
a. m. c. g. l. e. y
E. B. Linn-

Inventor
W. H. Sleight
by E. B. Linn- Atty.

UNITED STATES PATENT OFFICE.

WILLIAM H. SLEIGHT, OF ST. LOUIS, MISSOURI.

BED-BOTTOM FABRIC.

969,568.

Specification of Letters Patent.

Patented Sept. 6, 1910.

Application filed April 8, 1910. Serial No. 554,193.

To all whom it may concern:

Be it known that I, WILLIAM H. SLEIGHT, a citizen of the United States of America, residing in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Bed-Bottom Fabrics, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that character of bed bottom fabrics composed of a plurality of wire units interengaging with each other and which are designed to be connected to bed frames by springs interposed between the fabric and the frames at the ends or sides of the bed in which the bed bottom fabric is used.

Figure I is a top or plan view of fragments of a bed frame and a portion of my bed bottom fabric connected to said frame by springs of a usual type. Fig. II is a perspective view of one of the wire units entering into the structure of my bed bottom fabric.

In the accompanying drawings:—A designates one of the wire units of which my bed bottom fabric is composed; and inasmuch as the wire units of which my bed bottom fabric is composed are similar throughout the fabric, I will, for the purpose of simplicity, limit the description in detail to one of such units. In making the wire unit A, a piece of wire is doubled intermediate of its ends to produce a longitudinal section comprising strands 1 and 2, the strand 1 being shorter than the strand 2 and terminating in a loop 3. The strands 1 and 2, which are approximately parallel with each other, are bent at the end of the longitudinal section of the unit farthest removed from the loop 3 of the strand 1 to produce a hook 4, in the production of which both of the strands 1 and 2 are utilized and at the termination of which said strands join each other. The strand 2 of the unit A extends beyond the loop 3 at the terminus of the strand 1 and is bent backwardly to said loop, thus producing an eye 5, then laterally and again forwardly to produce a second eye 6, the latter of which receives the loop of the strand 1.

7 is a transversely extending arm leading from the forward end of the eye 6, and which is arranged at substantially a right angle to the longitudinal section of the unit

A and terminates at its free end, or the end farthest removed from the longitudinal section in a loop 8 produced by bending the end of the lateral arm backwardly, as seen in Fig. II.

In making up my bed bottom fabric, the units A are united in rows, as seen in Fig. I, by placing the loops 8 of the lateral arm 7 in engagement with the eyes 5 of the strands 2 of the next adjoining units, thereby connecting the units transversely of the fabric across its entire width. The units in the transverse rows intermediate of the ends of the fabric are united to each other through the medium of the hooks 4 that occupy the eyes 5 of the units in the transverse rows in front of the successive intermediate rows and the endmost row of units at one end of the fabric. The hooks 4 of the units A in one of the endmost rows of the fabric are fitted to suitable springs, such as the helical springs B, that are applied to the bed frame in the manner shown, or in any other preferred manner, and the units in the other endmost row of the fabric are also attached to springs that connect the fabric to the bed frame at that end and which may be placed in connection with the fabric by applying them to the eyes 4 of the units in the transverse row of units at such end of the fabric.

The bed bottom fabric herein shown and described is extremely simple in construction, and inexpensive, due to the particular structure of the units that enter into the fabric and in the production of which there is no waste of material, or unnecessary material, in furnishing a fabric having a high degree of strength, durability and lightness of weight.

I claim:—

1. A bed bottom fabric comprising units made of single pieces of wire folded intermediate of their ends to form sections comprising two strands forming a section having a hook at the folded end of the wire, one of the strands of each section being provided at one end of the section with an eye, and a laterally extending member connected to a mating unit, and the other strand of the section being provided with a loop engaging the first mentioned strand.

2. A bed bottom fabric comprising units made of single pieces of wire folded intermediate of their ends, each comprising two strands forming a section having a hook at

the folded end of the wire, one of said strands being provided at one end of said section with a pair of eyes, and a laterally extending member connected to a mating unit, and the other strand engaging one of the eyes of the first mentioned strand.

3. A bed bottom fabric comprising units made of single pieces of wire folded intermediate of their ends, each comprising two strands forming a section having a hook at the folded end of the wire, one of said strands being provided at one end of said section with a pair of eyes, and a laterally extending member connected to a mating unit, and the other strand being provided with a loop in engagement with one of the eyes of the first mentioned strand.

4. A bed bottom fabric comprising units made of single pieces of wire folded intermediate of their ends to form sections comprising two strands substantially parallel with each other, each section having a hook at the folded end of the wire, one of the strands being provided at one end of said

section with a pair of eyes, and a laterally extending arm leading from one of said eyes and having a loop connected to a mating unit, and the other strand being provided with a loop in engagement with the eye from which said arm extends.

5. A bed bottom fabric composed of units made of single pieces of wire folded intermediate of their ends to form sections comprising two strands, each section having a hook at its folded end, one of the strands being bent backwardly at the end of the section farthest from the hook, producing an eye, and then forwardly to produce a second eye, and terminating in an arm extending laterally from said second eye connected to a mating unit, and the other of which strands has engagement with the second eye of the first mentioned strand.

WILLIAM H. SLEIGHT.

In the presence of—

J. C. FRACHTLING,
EDNA B. LINN.