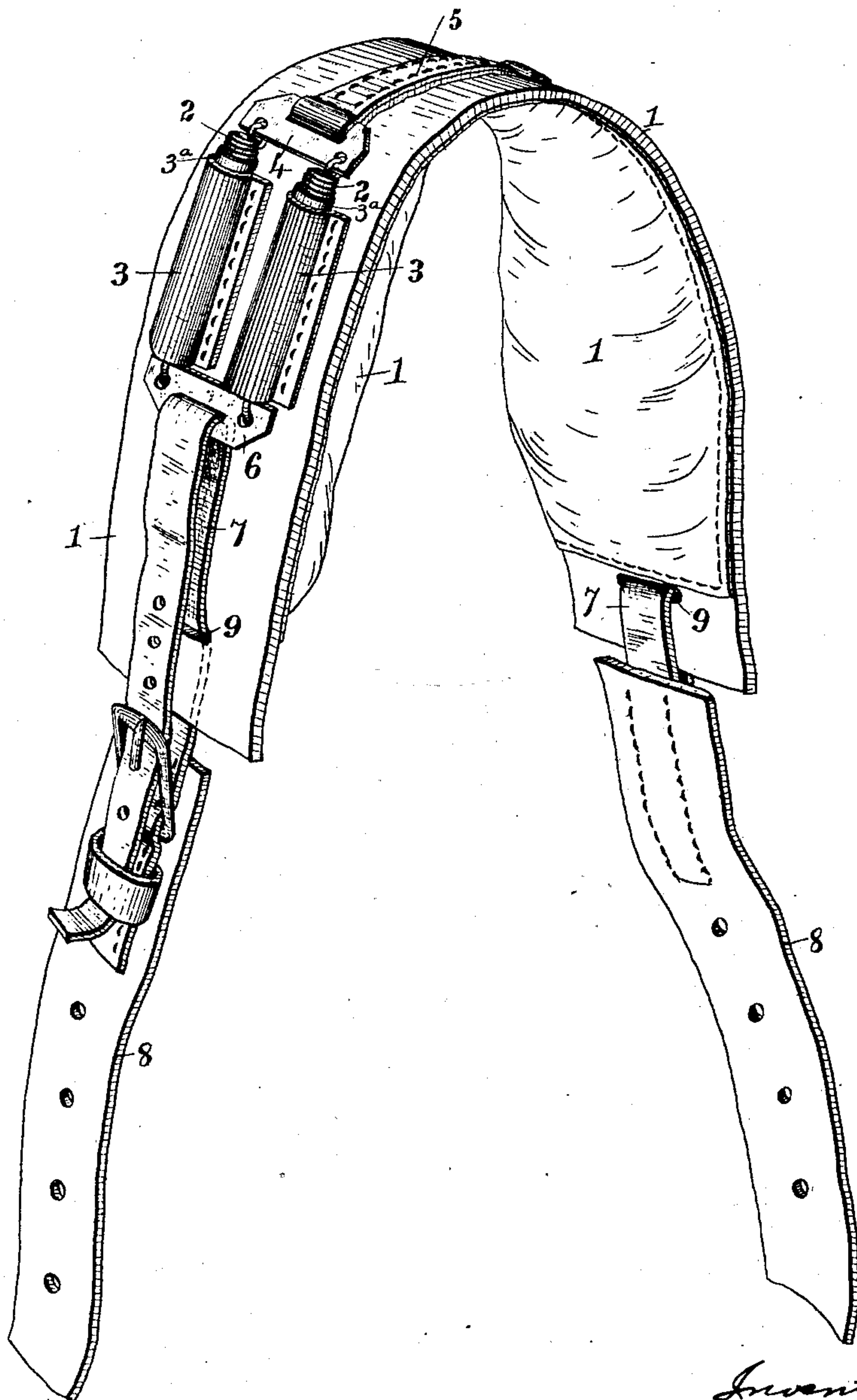


(No Model.)

A. DUBY.
SURCINGLE.

No. 367,707.

Patented Aug. 2, 1887.



Attest
H. C. Wright
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UNITED STATES PATENT OFFICE.

AMBROSE DUBY, OF CHELSEA, ASSIGNOR TO THOMAS C. MULLOY, OF
BOSTON, MASSACHUSETTS.

SURCINGLE.

SPECIFICATION forming part of Letters Patent No. 367,707, dated August 2, 1887.

Application filed September 28, 1886. Serial No. 214,767. (No model.)

To all whom it may concern:

Be it known that I, AMBROSE DUBY, a citizen of the United States, residing at Chelsea, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Surcingles, of which the following is a specification.

My invention relates to a surcingle in which springs are employed for connecting the straps or bands which are placed on the back and belly, respectively, of the horse. The improvements consist in certain details, which are herein first fully described with reference to the accompanying drawing, and then specifically pointed out in the claims.

The said drawing represents my improved surcingle in perspective, the belly-band being omitted.

I may represent the pad or band, made to conform as nearly as possible to the horse's back.

2 2 are spiral springs, protected from rubbing against the side of the stall by leather sheaths 3 3 sewed to pad or band 1. Inside of the leather sheaths 3 3 may be additional sheaths 3^a 3^a of metal cylindrical in form. At top the springs are hung by yoke 4 from a short strap, 5, sewed outside the pad or band 1 at its central position. A similar yoke, 6, at the bottom of the springs 2 2, has a slot, through which passes a short strap, 7, which is buckled to a strap, 8, for connection to the belly-band.

Of course it will be understood that the arrangement shown and described is duplicated on the other side of the surcingle.

To limit the extent to which the springs may be drawn out, the strap 7 is passed through a slot, 9, in the pad or band 1, and the movement of the strap is arrested by having its upper end come in contact with the lower side of the slot.

Having thus described my invention, the

following is what I claim as new therein and desire to secure by Letters Patent:

1. In a surcingle, the combination, with a slotted back-pad, of a looped strap having one end passed through said slot and both ends connected to the belly-band, springs connected to the back-pad at top, and suitable means for connecting them at bottom with the loop end of the strap, substantially as described, and for the purpose set forth.

2. In combination with a back pad or band and springs connected thereto, metallic sheaths covering said springs and fixed to the back pad or band, and the belly-band having suitable means whereby it may be connected with the springs, substantially as set forth.

3. In a surcingle, the combination, with a slotted back-pad, a strap attached thereto near the center, a yoke on the end of said strap, and a pair of springs secured to said yoke, of a similar yoke at the lower ends of said springs, and a looped strap secured to the belly-band and to the latter yoke, having one end passed through the slot in the back-pad, substantially as described, and for the purpose set forth.

4. In combination with a back-pad, springs connected at one end thereto and at the other end to the belly-band, metal sheaths surrounding said springs, and additional sheaths of leather surrounding the metal ones and attached to the back-pad, substantially as set forth.

5. In combination with a back-pad, springs connected at one end thereto and at the other end to the belly-band, and a stop on the back-pad adapted to be engaged by and limit the movement of the belly-band, substantially as set forth.

AMBROSE DUBY.

Witnesses:

ALFRED A. HAY,
C. B. WHITNEY.