

(No Model.)

F. B. WALKER.
CHECK SPRING.

No. 597,596.

Patented Jan. 18, 1898.

Fig. 1.

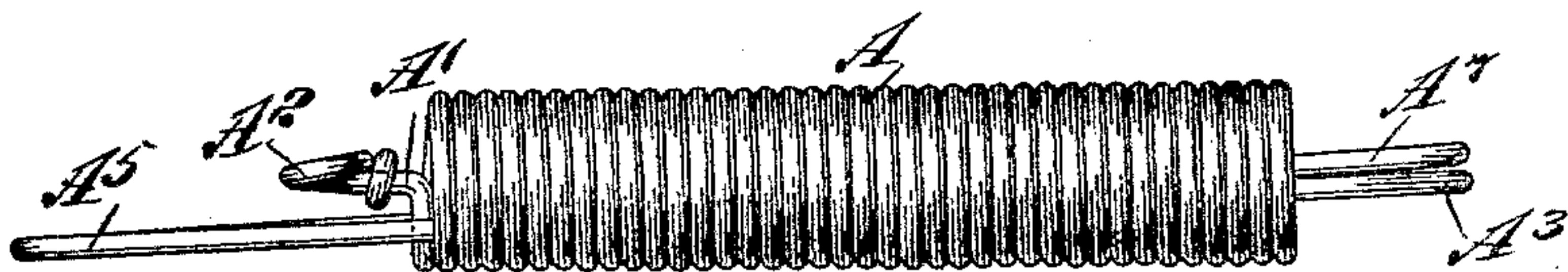
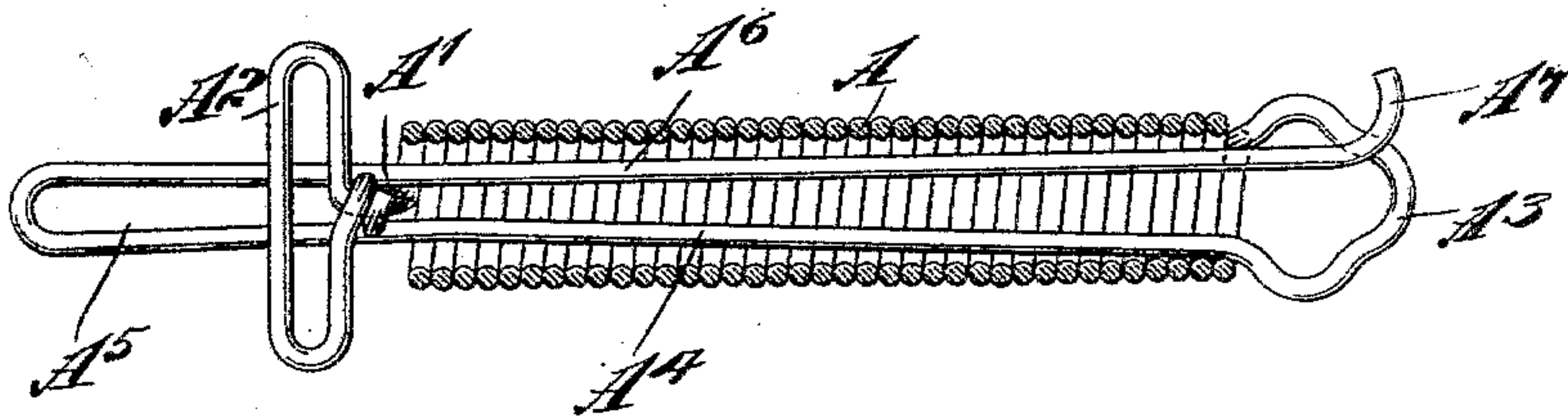


Fig. 2.



WITNESSES:

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FRED B. WALKER, OF SAN ANTONIO, TEXAS, ASSIGNOR TO HIMSELF AND
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CHECK-SPRING.

SPECIFICATION forming part of Letters Patent No. 597,596, dated January 18, 1898.

Application filed November 25, 1896. Serial No. 613,400. (No model.)

To all whom it may concern:

Be it known that I, FRED B. WALKER, of San Antonio, in the county of Bexar and State of Texas, have invented a new and Improved Check-Spring, of which the following is a full, clear, and exact description.

The invention relates to checkreins; and its object is to provide a new and improved check-spring for preventing sudden jars to a horse's mouth when the animal throws his head forward, the spring also serving to lessen undue tension on the several parts of the harness.

The invention consists principally of a check-spring formed with a coil, an eye at one end of the coil, and a loop projecting beyond the coil and straddling the shank of the said eye to limit the opening up of the coil.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a side elevation of the improvement, and Fig. 2 is a sectional plan view of the same.

The improved check-spring is formed of a single piece of steel wire wound into a coil A, one end of which terminates in a shank A', extending outwardly and carrying an eye A² to which the checkrein is fastened. The other end of the coil A is formed into an eye A³, adapted to be hooked on a terret hook or ring, and the eye A³ terminates in a member A⁴, extending through the opening of the coil A beyond the end having the eye A², the said member A⁴ being part of a loop A⁵, having its other member A⁶ returned through the

opening in the coil A, as plainly shown in Fig. 2, the free end A⁷ of the member extending over the eye A³. The two members A⁴ and A⁶ of the loop A⁵ straddle the shank A', and the said loop extends a suitable distance beyond this end of the coil A, so as to form at the bend of the loop a stop for the shank A' and eye A² to limit the opening up of the coil A. The end A⁷ by passing over the eye A³ engages the side of the terret ring or loop, so as to prevent the eye A³ from accidentally unhooking. Now it will be seen that when the device is used and the animal throws his head forward then the pull exerted by the checkrein on the eye A² causes the coil A to open; but this opening is limited by the shank A' striking the bend of the loop A⁵. Thus the spring is not liable to be broken and at the same time the checkrein is rendered sufficiently flexible to prevent sudden jars to the horse's mouth and also lessens undue tension on the parts of the harness.

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

A check-spring formed of a single piece of wire, wound to produce a spring-coil, one end of which is formed into an eye for attaching the checkrein and the other end is formed into an eye for connection with a terret, the end of the terret-eye terminating in a loop which extends through the coil and straddles the shank of the rein-eye, to limit the outward movement thereof, the return member of the said loop having its end extending over the said terret-eye, to form a guard therefor, substantially as shown and described.

FRED B. WALKER.

Witnesses:

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GEO. R. HINES.