No. 853,586. PATENTED MAY 14, 1907

A. JOHNSON & C. A. GUSTAFSON.

HORSE GUIDING BELT.

APPLICATION FILED NOV. 9, 1906.

Fig. 1.

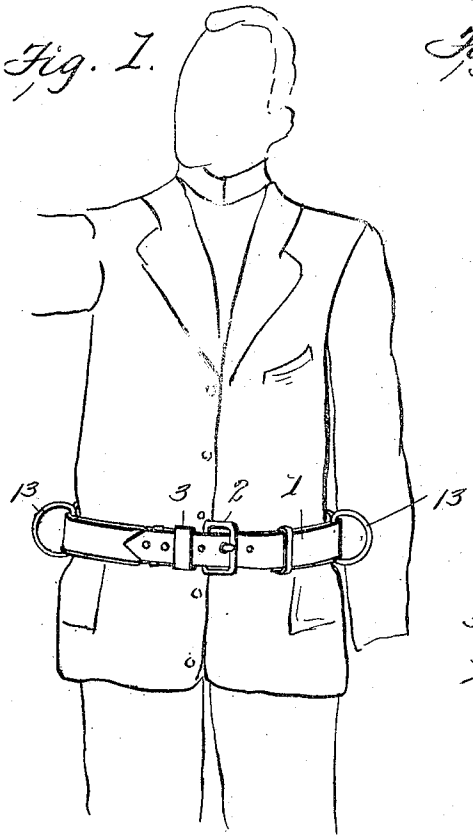


Fig. 3.

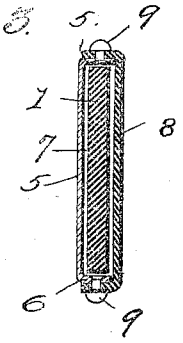


Fig. 4.

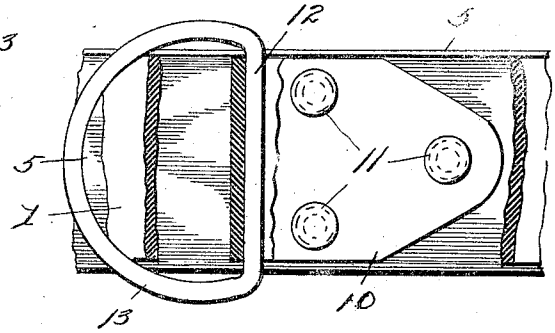
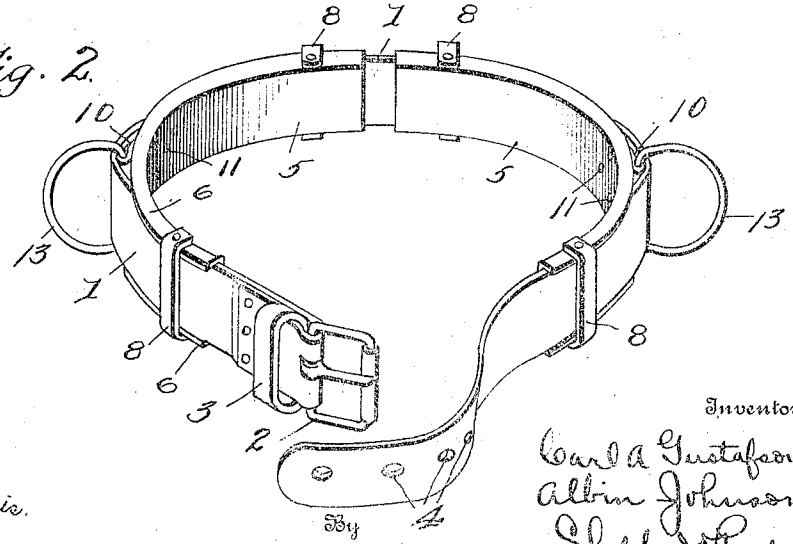


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

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HORSE-GUIDING BELT.

No. 853,586. Specification of Letters Patent. Patented May 14, 1907.

Application filed November 9, 1906. Serial No. 342,762.

To all whom it may concern:

Be it known that we, ALBIN JOHNSON and CARL AUGUST GUSTAFSON, citizens of the United States, residing at Moline, in the county of Rock Island and State of Illinois, have invented certain new and useful Improvements in Horse-Guiding Belts, of which the following is a specification.

This invention relates to new and useful improvements in belts and it particularly pertains to a belt designed to be worn by agricul turalists and embodying means for guiding horses without manual control.

In such farm work as plowing and cultivating it is necessary for the operator to release his hold upon the beams of the apparatus in order to turn the horses at the end of the row. For a brief period of time the operator thus loses control of the plow or other apparatus and the work, especially at the end of the row is imperfectly performed. It is therefore, the chief consideration of the present invention to provide novel means for guiding the horses without the necessity of the operator releasing his hold upon the beams of the apparatus and consequently losing control thereof.

To this end the invention comprises a reinforced belt, fitted around the waist of the wearer in the same manner as an apparel belt and embodying devices to which the reins for guiding the horses, may be secured.

The detailed construction will appear in the course of the following description in which reference is had to the accompanying drawings forming a part of this specification, like numerals designating like parts throughout the several views, wherein,

Figure 1 is a view illustrating the manner of use of a belt constructed in accordance with our invention. Fig. 2 is a detailed perspective view thereof. Fig. 3 is a vertical transverse sectional view thereof, and Fig. 4 is a vertical longitudinal central view thereof.

In the practical embodiment of our invention we employ a leather strap 1 which carries at one end a buckle 2 and strap guide 3 and at its other end is formed with a series of apertures 4 with which the buckle engages. Owing to the extreme wear and strain which is placed upon the belt in actual use, means are provided for reinforcing the strap 1 and to cause the same to be rigidly held in position upon the wearer. As best shown in Fig. 2 this means comprises curved metallic sections 5 which are approximately semi-annular and are independent of one another. The sections 5 are of counterpart construction and have their upper and lower edges bent outwardly to form parallel flanges 6 which afford a groove 7 for the reception of the strap 1 and for preventing said sections 5 from becoming displaced with relation to said strap. At proper intervals upon each of the sections 5, transverse retaining strips 8 are provided which span the groove 7 and are secured to the flanges 6 by rivets 9. The strips 8 are preferably of leather or other suitable flexible material. At a point approximately central of the sections 5 is secured a flexible clip 10 comprising a looped strap, the clip 10 being secured to said sections by rivets 11. The looped end of said clip serves to support the straight portion 12 of a ring 13, as is clearly shown in Fig. 4.

In practical use the belt is adjusted upon the waist of the wearer as shown in Fig. 1 by means of the strap 1. In this operation the sections 5 are conformable to the human figure and absolutely prevent any displacement of the belt as an entirety, when it is being worn as shown. The reins are then tied or otherwise secured to the rings 13 and the horses may be guided by the proper movement of the waist, or by bearing upon the reins with the elbow. It will of course be understood that the reins will be more or less taut for the purposes described.

While the elements herein shown and described are well adapted to serve the functions set forth, it is obvious that various minor changes may be made in the proportions, shape and arrangement of the several parts without departing from the spirit and scope of the invention as defined in the appended claims.

Having fully described our invention we claim:

A device of the type set forth comprising disconnected rigid curved sections, having outwardly extending confronting flanged upper and lower edges, a belt loosely held between said flanged edges and fastening rings carried by each of said sections and loosely surrounding said belt.

In testimony whereof we affix our signatures in presence of two witnesses.

ALBIN JOHNSON.
CARL A. GUSTAFSON.

Witnesses:
GEORGE M. BOYLE,
ALBIN SWANSON.