

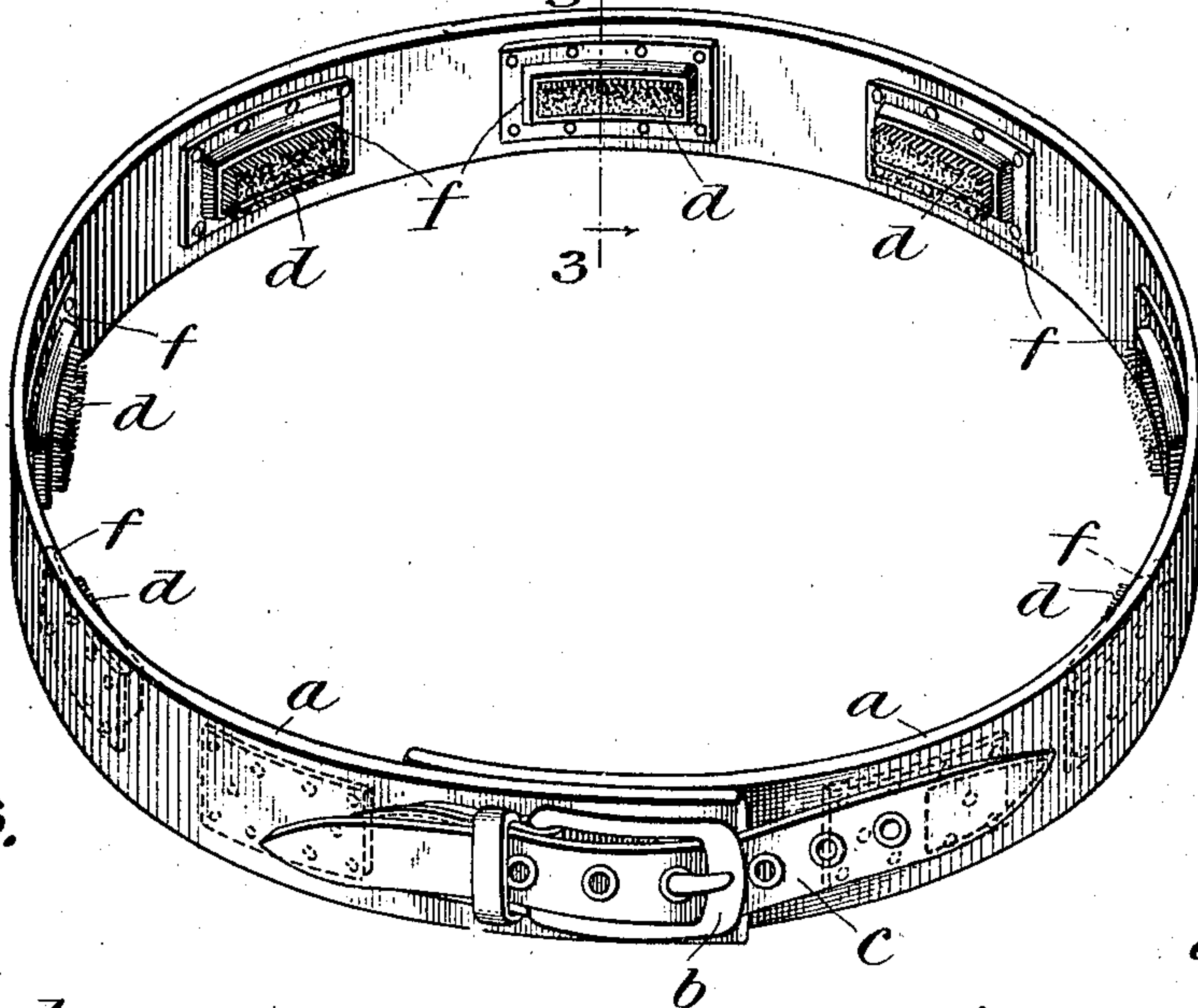
No. 846,934.

PATENTED MAR. 12, 1907.

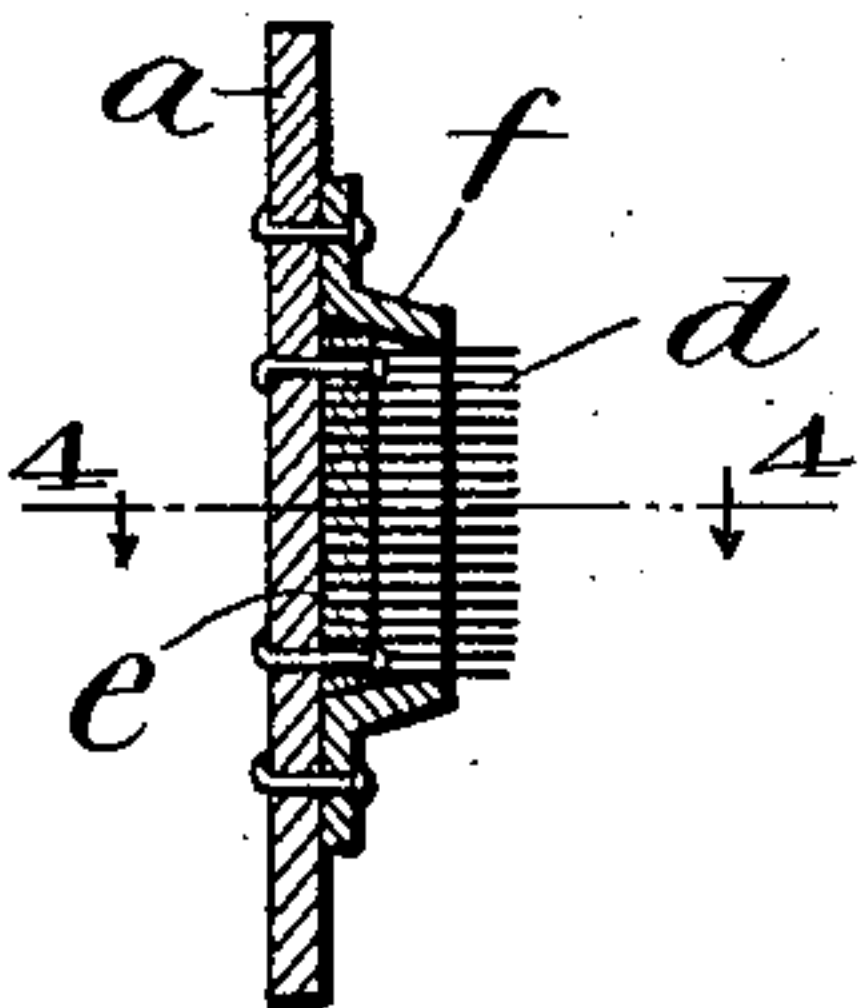
W. R. MULOCK.  
WAIST BELT.

APPLICATION FILED NOV. 16, 1906.

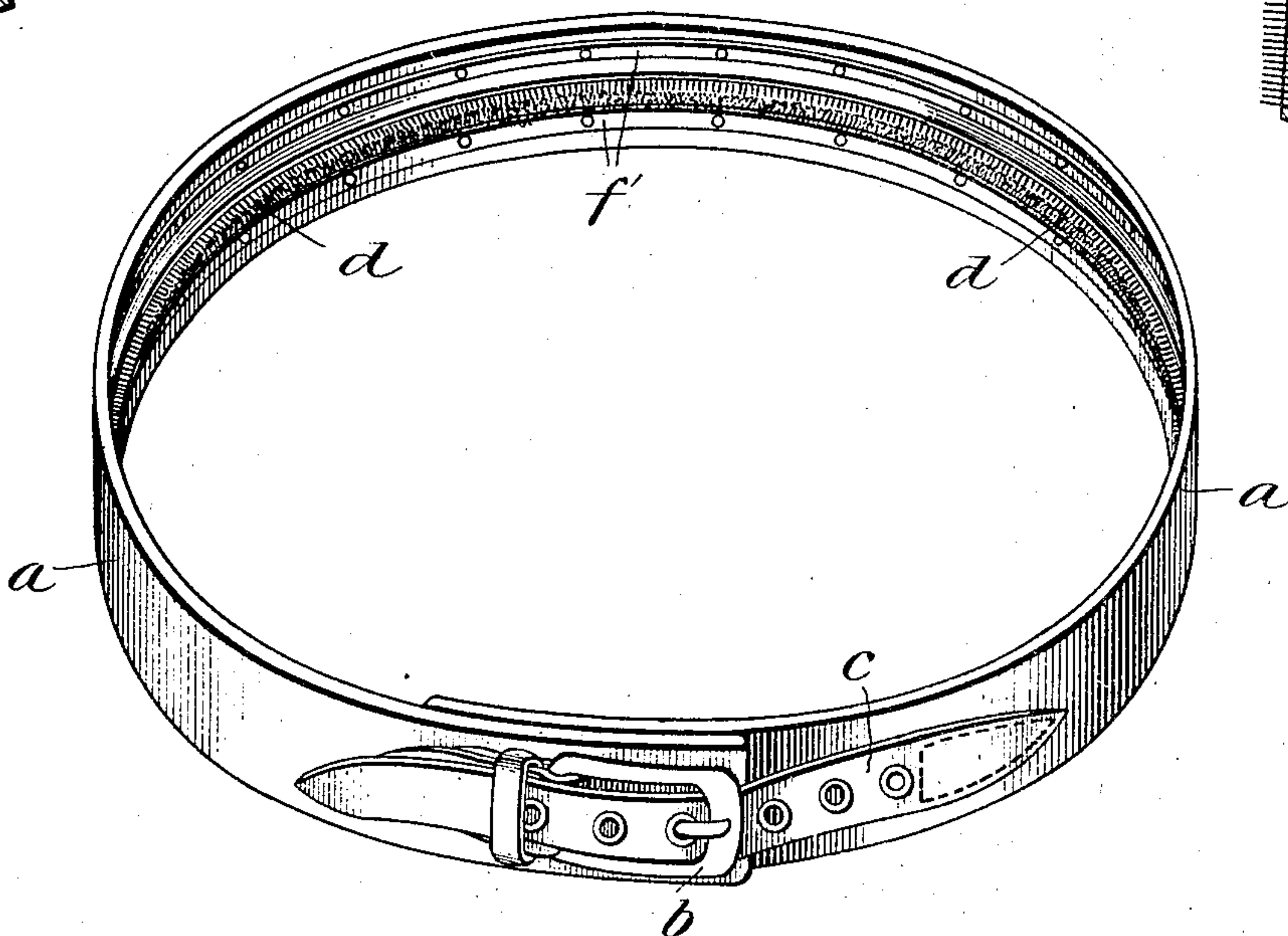
*Fig. 1.*



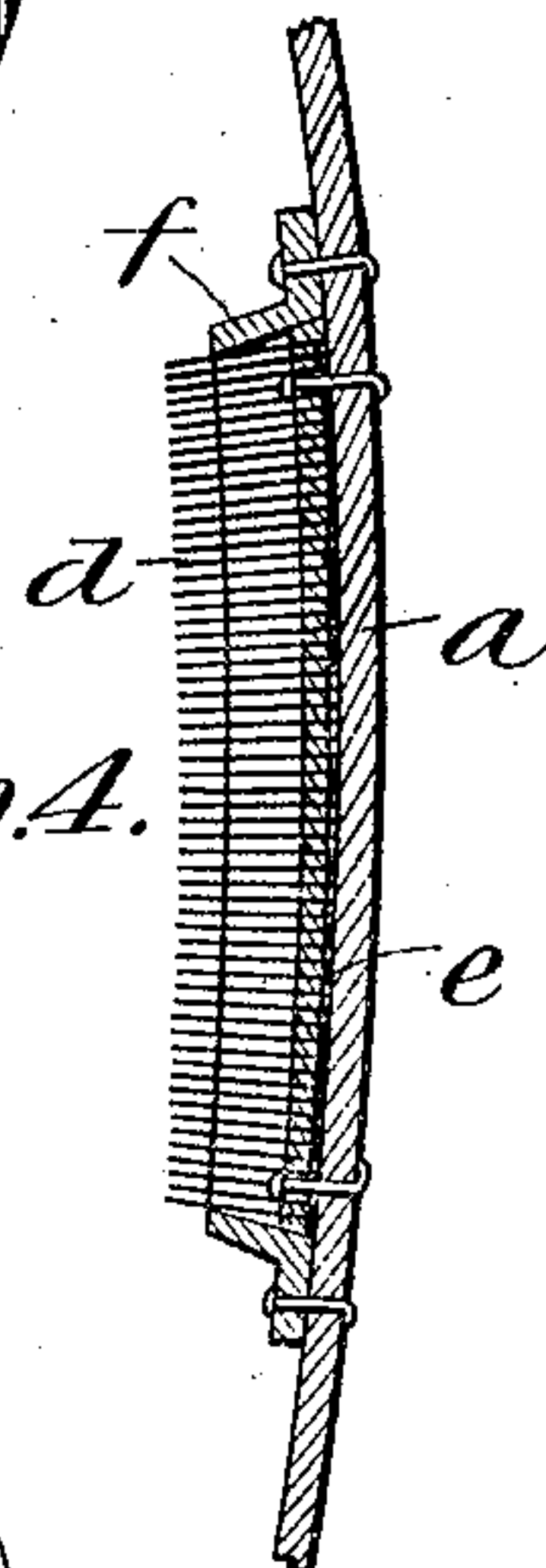
*Fig. 3.*



*Fig. 2.*



*Fig. 4.*



*Witnesses:*

*Mae C. Lindauer*  
*Nathaniel Gerlach.*

*Inventor,*

*William Redford Mulock*  
*By Peirce & Fisher*  
*Attorneys*



# UNITED STATES PATENT OFFICE.

WILLIAM REDFORD MULLOCK, OF WINNIPEG, MANITOBA, CANADA.

## WAIST-BELT.

No. 846,934.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed November 16, 1906. Serial No. 343,727.

*To all whom it may concern:*

Be it known that I, WILLIAM REDFORD MULLOCK, a citizen of the Dominion of Canada, residing at Winnipeg, in the Province of Manitoba, Dominion of Canada, have invented certain new and useful Improvements in Waist-Belts, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

The invention relates to waist-belts for trousers and the like, and seeks to provide a simple and effective construction by which the belt is securely held in place and the trousers prevented from slipping without the necessity of using loops or straps on the trousers for engaging the belt.

The invention consists in the features of construction and arrangement of parts hereinafter set forth, illustrated in the accompanying drawing, and more particularly pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of the improved belt. Fig. 2 is a similar view of a modified form. Fig. 3 is a section on the lines 3 3 of Fig. 1. Fig. 4 is a section on lines 4 4 of Fig. 3.

The belt *a* may be formed of leather or other suitable material and in the form shown is provided with the usual buckle *b* and tongue *c*, by which the overlapped ends of the belt are adjustably connected. A number of fine closely-arranged wire teeth *d* are secured to the inner face of the belt and project inwardly at right angles thereto. The wire teeth are arranged closely together to form a brush-like structure that is considerably less in width than the belt, so that when in position the edges of the belt may bend inwardly to inclose the series of wire teeth. The teeth, as indicated in Figs. 3 and 4, are straight and are preferably fixed to a strip *e* of flexible material, that is riveted, cemented, or otherwise secured to the inner face of the belt *a*. In the form shown the teeth pass entirely through the strip *e*. The series of wire teeth *d* and the supporting strip or strips *e* thereof are preferably arranged at intervals about the inner face of the belt, as indicated in Fig. 1, but may be arranged in a band extending nearly the entire length of the belt,

as shown in Fig. 2. The ends of the wire teeth or prongs *d* form a level surface that is substantially parallel with the belt, so that the cloth of the trousers or other garment will not be torn, but will nevertheless be securely engaged by the prongs to hold the belt and trousers in position and prevent either the slipping of the belt or the slipping of the trousers from the belt.

To hold the wire teeth or prongs securely in proper position, a suitable supporting-band *f* extends about each brush-like series of the teeth. This band is angular in section and is riveted or otherwise suitably secured to the belt *a*, so as to project inwardly therefrom about the series of teeth. The supporting-bands *f* securely hold the teeth in position and prevent the deflection or the bending of the teeth at the sides of the brush-like series. It is essential that the teeth should be held in position in this way, for otherwise the teeth at the sides of the series will readily become bent and will tear the cloth of the trousers or other garment. The supporting-bands *f* are preferably formed of metal, but may be constructed of other suitable material. In the form shown in Fig. 2 the supporting-bands *f* are of considerable length and are constructed of thin flexible metal or other like suitable material.

The belt may be used for supporting trousers, skirts, or the like and requires no loops or straps on the garment to be supported. It may be adjusted higher or lower, as suits the convenience of the wearer, and at the same time the belt will be securely held in position, and the trousers or other garment cannot slip from engagement therewith.

It is obvious that the details set forth may be varied without departure from the essentials of the invention.

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

1. A waist-belt having a series of fine, closely-arranged, wire teeth secured to its inner face and projecting inwardly therefrom and a supporting-band fixed to the belt and engaging the outer teeth of the series, substantially as described.

2. A waist-belt having a strip or strips se-

cured to its inner face, a brush-like series of fine, closely-arranged, straight, wire teeth carried by said strip or strips and projecting inwardly therefrom, the ends of said teeth  
5 forming a surface parallel to the belt, and a metal supporting band or bands fixed to the belt and extending about said teeth to pre-

vent the deflection of the side teeth of the series, substantially as described.

WILLIAM REDFORD MULLOCK.

Witnesses:

GLADYS HENRIETTA ALDER,  
ALFORD ELLIOT McDUGALL.