

No. 869,838.

PATENTED OCT. 29, 1907.

G. M. GREEN.
HORSESHOE.

APPLICATION FILED JAN. 31, 1907.

Fig. 1

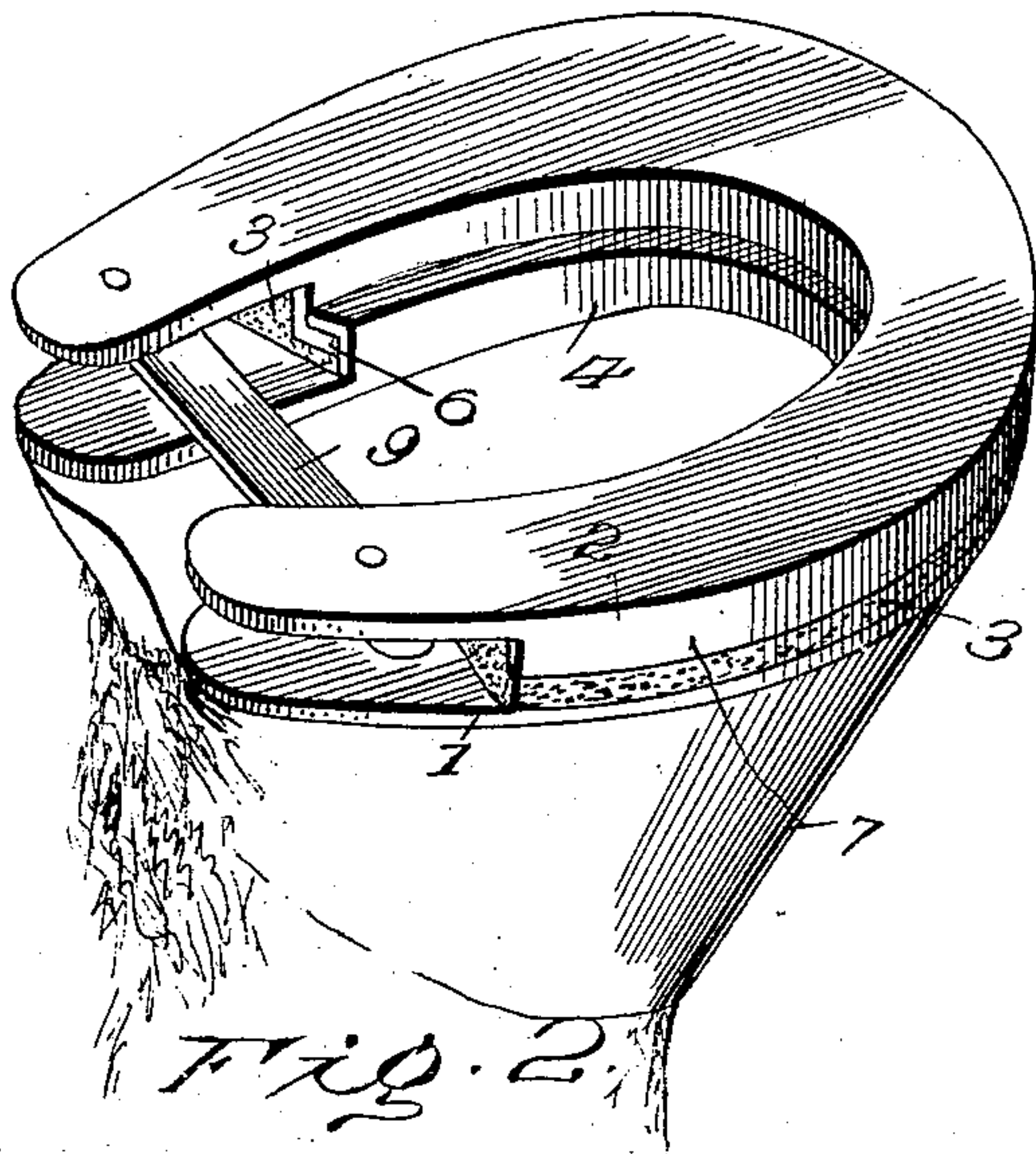


Fig. 2

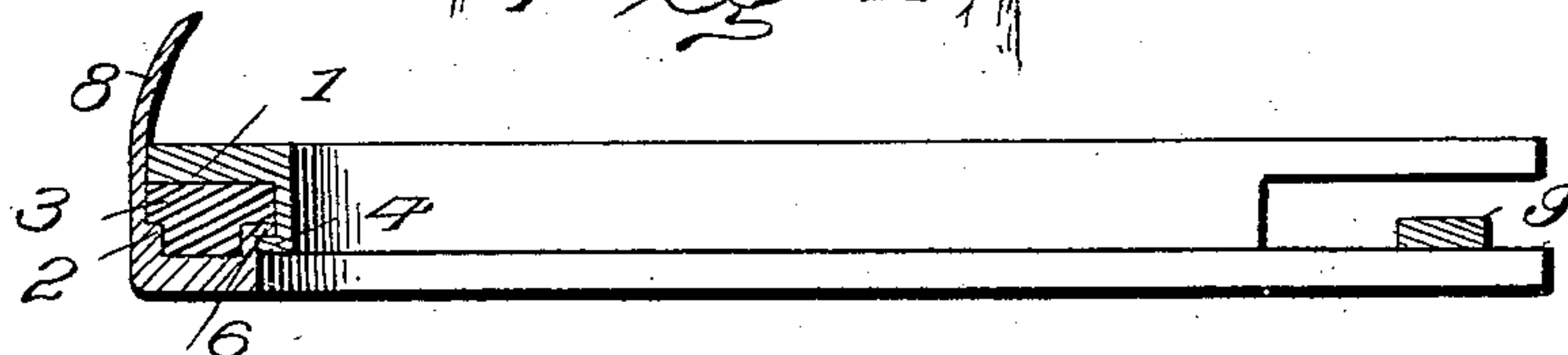


Fig. 3

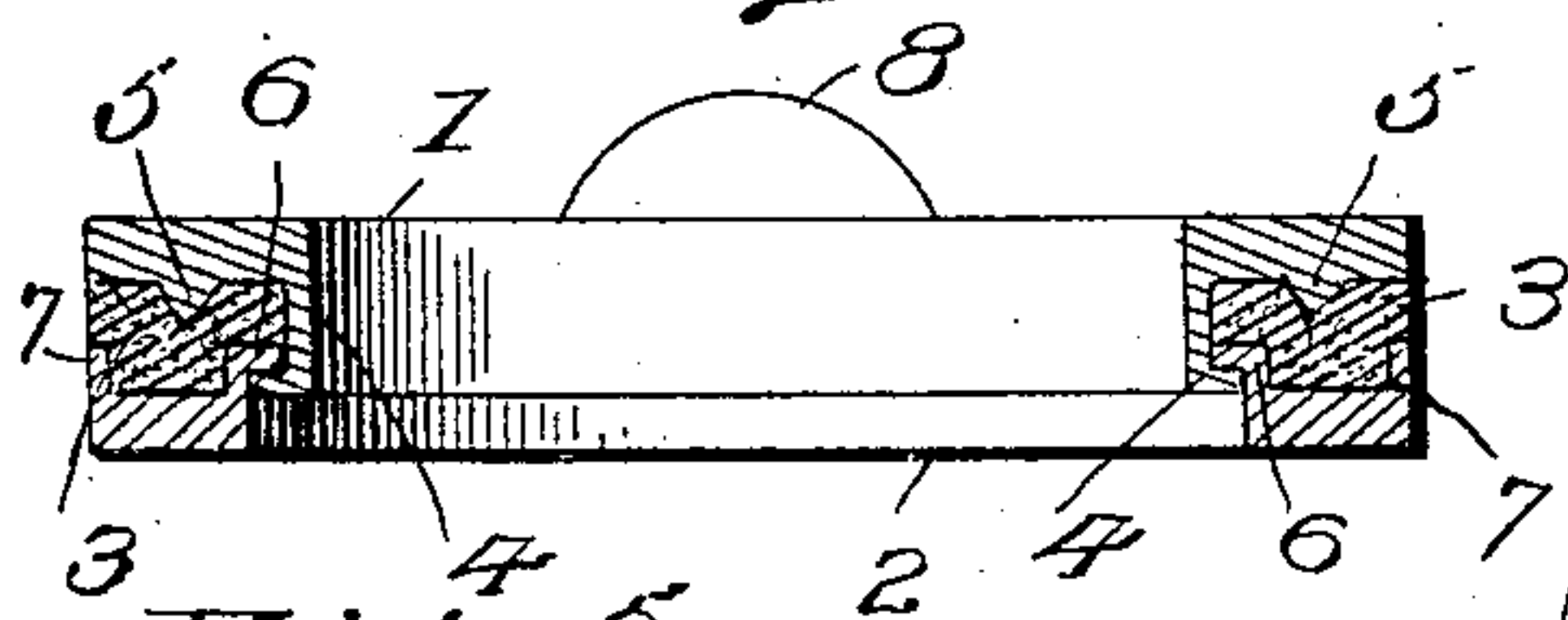


Fig. 4

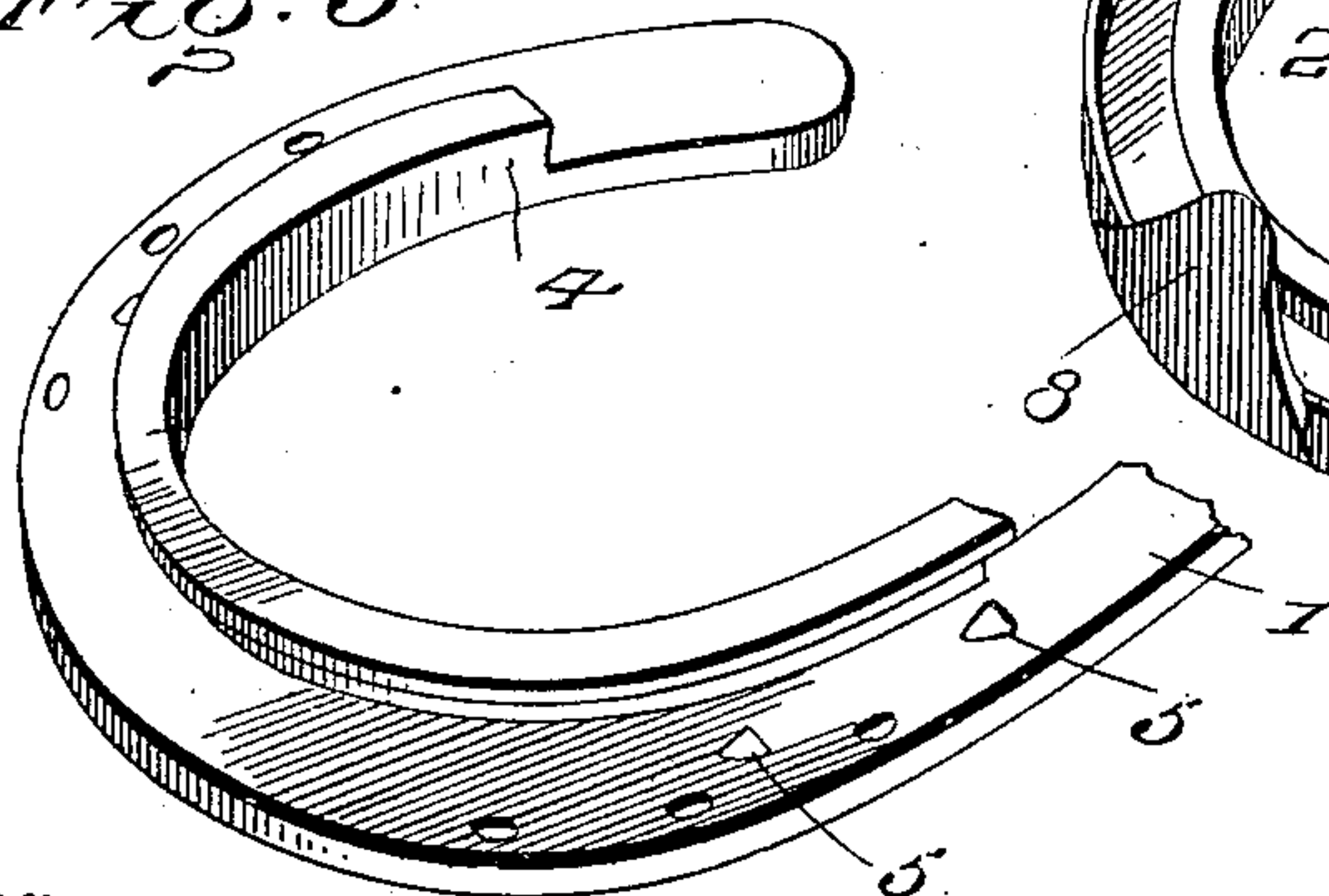
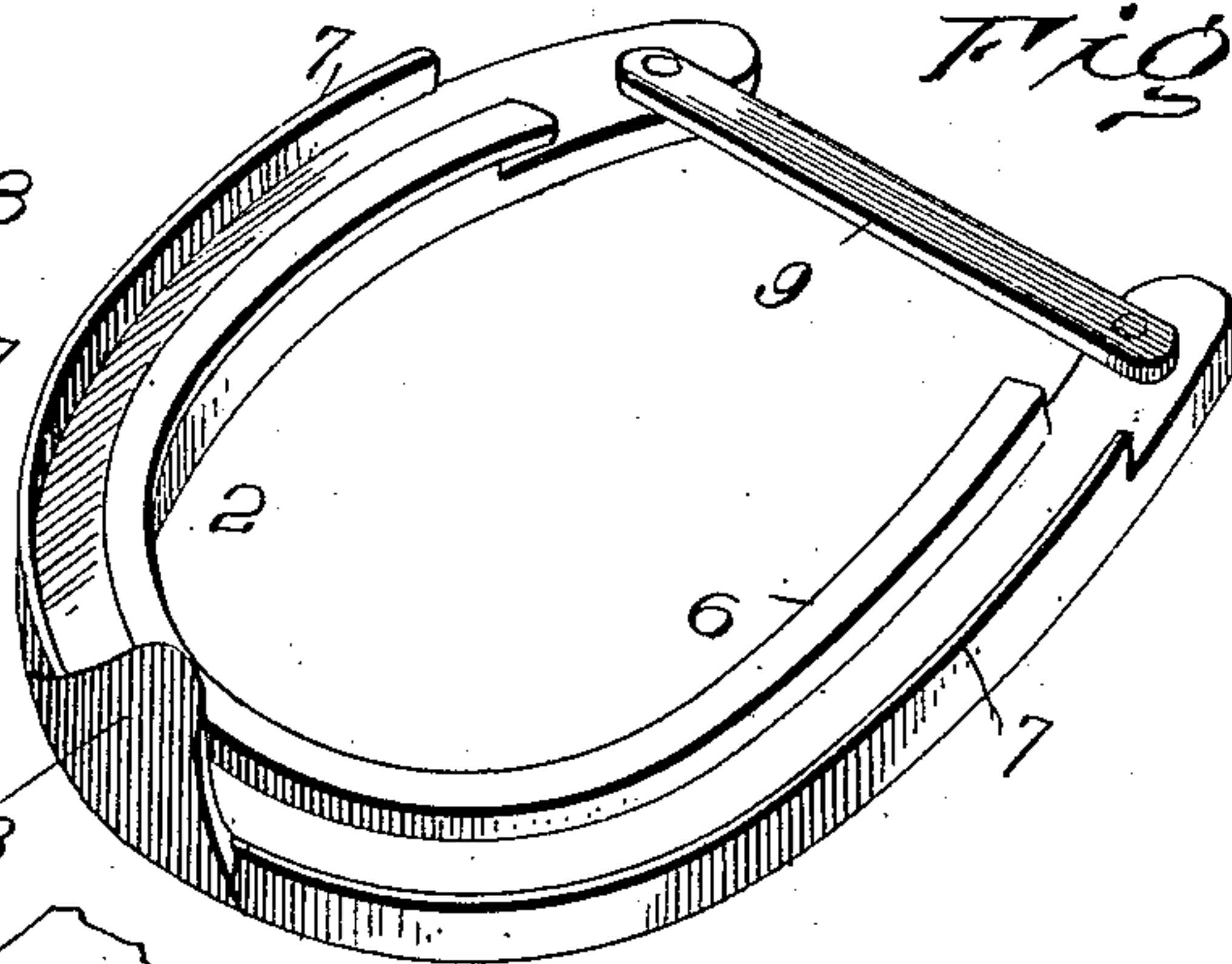


Fig. 5



Witnesses

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HORSESHOE.

No. 869,838.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE MARVIN GREEN, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented certain new and useful Improvements in Horseshoes, of which the following is a specification.

This invention contemplates certain new and useful improvements in cushioned horseshoes, and the object of the invention is to provide an improved construction of shoe of this character which will alleviate to a great extent the violent concussion to the hoofs and limbs as induced by the shoe striking the pavement, and without the employment of any cushion interposed directly between the hoof and the shoe or between the latter and the pavement, my invention embodying an inner shoe and an outer shoe and a resilient cushion interposed between the two, so that the resilient effect will be produced while at the same time, the rubber or other material used as the cushion will not be subjected to the direct and injurious contact with the pavement or to the deteriorating effects that might result were it placed directly next to the hoof.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of my improved horseshoe illustrating its application to a hoof; Fig. 2 is a longitudinal sectional view thereof; Fig. 3 is a transverse sectional view of the horseshoe; Fig. 4 is a detail perspective view of the outer shoe; and, Fig. 5 is a detail perspective view of the inner shoe.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

As illustrated in the drawings, my improved horseshoe comprises an inner shoe 1 which is nailed or otherwise secured directly to the hoof, an outer shoe 2, and an interposed resilient cushion 3, preferably of rubber. The inner shoe 1, which is preferably of metal, may be of any desired shape, design, and construction, except as hereinafter noted, and it is provided around its inner margin with an angular flange 4. The resilient cushion 3 is worked over the inner shoe 1 and extends between the main portion thereof and the outwardly disposed edge of the flange 4, and to assist in holding the rubber cushion in place, the inner shoe 1 may be provided with one or more cone-like protuberances 5 projecting from

its outer face, as shown. The outer shoe 2 may also be of any desired shape, design or construction, except as herein noted, and it is provided along its inner margin with an angular flange 6 which is complementary with the angular flange 4 of the inner shoe and is designed to coact therewith and to take over the said flange 4 so that the two flanges of the respective inner and outer shoes interlock. This interlocking operation may be effected by springing or spreading the outer shoe around the flange of the inner shoe.

It is to be understood that the cushion 3 is interposed between the opposing faces of the inner shoe and the outer shoe and to assist in holding the cushion in place, the outer shoe may be provided around its outer margin with a small up-standing flange 7.

If desired, the outer shoe may be provided with a toe-piece 8 which extends up around the hoof and around the cushion 3 and inner shoe 1. And the shoe may be prevented from spreading in use by means of a cross bar 9 secured at its ends to the heel portion, as shown.

From the foregoing description in connection with the accompanying drawings, it will be seen that the cushion 3 is faced on both upper and lower sides with metal, so that while the proper resiliency is maintained, the structure of my improved horseshoe is a durable one. The interlocking engagement of the two flanges 4 and 6 merely limits the outward movement of the outer shoe with respect to the inner shoe and permits the compression of the rubber cushion 3 in practical use. The flanges 4 and 6 are located in a plane sufficiently above the outer face of the outer shoe 2 as to prevent them from touching the pavement when the outer shoe is sprung in by the horse's foot striking the ground.

It is evident that a shoe of this character will alleviate to a large degree the violent concussion to the horses' hoofs and limbs and the consequent injury thereof, while at the same time, the improved horseshoe of my invention is simple in construction and durable, the rubber cushion being held at all times out of direct contact with either the hoof or the ground.

Having thus described the invention, what is claimed as new is:

1. The hereindescribed horse-shoe consisting of an inner shoe, an outer shoe, an interposed resilient cushion, said two shoes being provided upon their inner margins with oppositely extending interlocking angular flanges, one of said shoes being provided around its outer margin with a flange adapted to assist in maintaining the cushion in

place, and a cross bar secured at its ends to the heel portions of the outer shoe.

2. The hereindescribed horse shoe consisting of an inner and an outer shoe and an interposed cushion of rubber, said two shoes being provided with oppositely extending interlocking angular flanges, and a cross bar connected at its ends to the heel portions of the outer shoe.
3. The herein-described horseshoe, consisting of an inner shoe and an outer shoe and an interposed resilient cushion, the outer shoe being formed around its inner and outer

margins with upstanding flanges, the innermost flange being angular, and the inner shoe being formed along its inner margin with an angular flange interlocking with the angular flange of the outer shoe.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE MARVIN GREEN. [L.S.]

Witnesses:

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