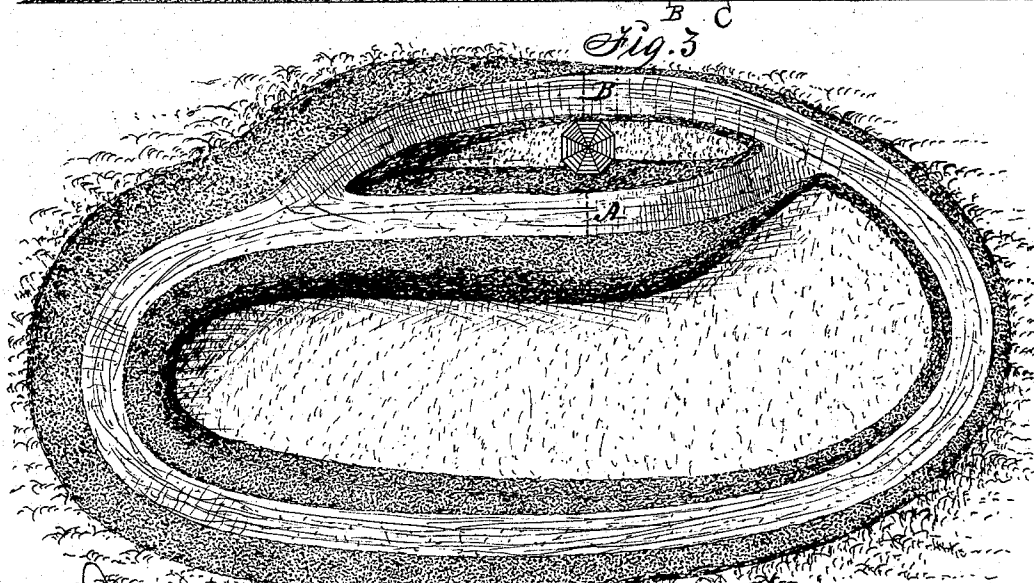
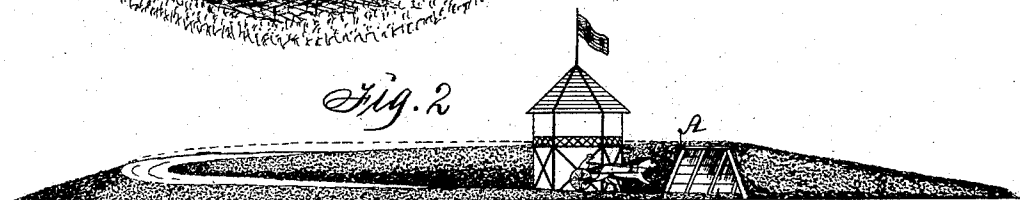
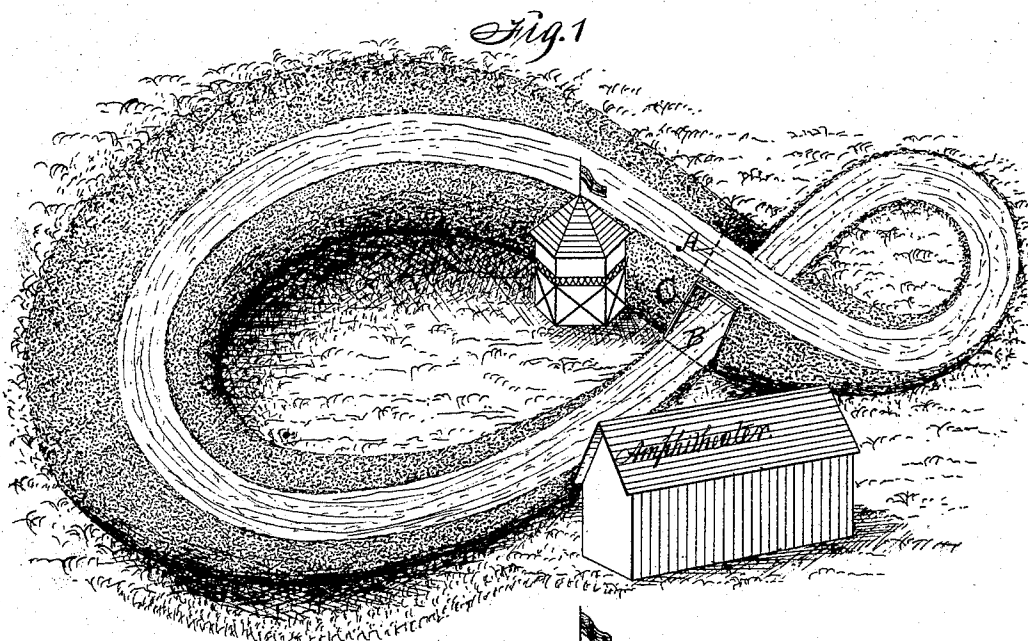


(No Model.)

H. S. BUTLER.  
RACE COURSE FOR HORSES.

No. 483,600.

Patented Oct. 4, 1892.



Witnesses: *H. Sankey,*  
*R. McOrwig* } *Inventor: Henry S. Butler,*  
*By Thomas G. Orwig, Attorney,*

# UNITED STATES PATENT OFFICE.

HENRY S. BUTLER, OF DES MOINES, IOWA.

## RACE-COURSE FOR HORSES.

SPECIFICATION forming part of Letters Patent No. 483,600, dated October 4, 1892.

Application filed April 2, 1892. Serial No. 427,578. (No model.)

### *To all whom it may concern:*

Be it known that I, HENRY S. BUTLER, a citizen of the United States of America, residing at Des Moines, in the county of Polk and State of Iowa, have invented a Race-Course for Horses, of which the following is a specification.

My object is to facilitate the action and speed of a horse by providing a track that has a downgrade, but no upgrade. On a level track a horse when hitched to a sulky must pull the vehicle, and the weight of the vehicle and driver is a hinderance to his action and speed. On a track that has a downgrade and a corresponding ascending grade the time gained on the descent is lost on the ascent of the course.

My invention consists in the construction of a race-course track, as hereinafter set forth, pointed out in the claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a bird's-eye view of a continuous race-course in which there is a descending grade from the starting-point to the end of the home-stretch. Fig. 2 is a side view of the same track, taken from a point on a level with the track. Fig. 3 is a plan view showing a modified form of continuous track in which the grade descends all the way from the starting-point to the end of the mile or half-mile or entire distance that is to be traversed in a race.

In Figs. 1 and 2 it is clearly shown that the starting-point A is elevated and that there is a gradual descent from that point to the ending point B, and that an arch C allows the

track to be continued to produce an upgrade upon which a horse can ascend to reach the starting-point again.

A dotted line along the top of Fig. 2 indicates that a part of the track may be level and the remainder a downgrade.

In Fig. 3 the judges' stand is located between the starting-point A and the end B. A branch or section of the continuous track extends from the terminus B and intersects the first-quarter section of the course and has an upgrade that allows a horse to advance and ascend and gather and turn about to regain the starting-point A by advancing on a branch section that extends from the home-stretch section to the end of the course to the elevated starting-point A.

I claim as my invention—

1. A race-course having a descending grade and a track connection between the starting-point and the terminus, adapted to be traversed by a horse before starting over the course and also after passing the terminus of the course, for the purposes stated.

2. A race-course having an elevated starting-point, a circuitous track, and descending grade terminating at the starting-point, an arch at the intersection, and a continuation of the track in the form of a loop that has an ascending grade and terminates on top of the arch and at the starting-point, for the purposes stated.

HENRY S. BUTLER.

Witnesses:

MAUDE BUTLER,  
THOMAS G. ORWIG.