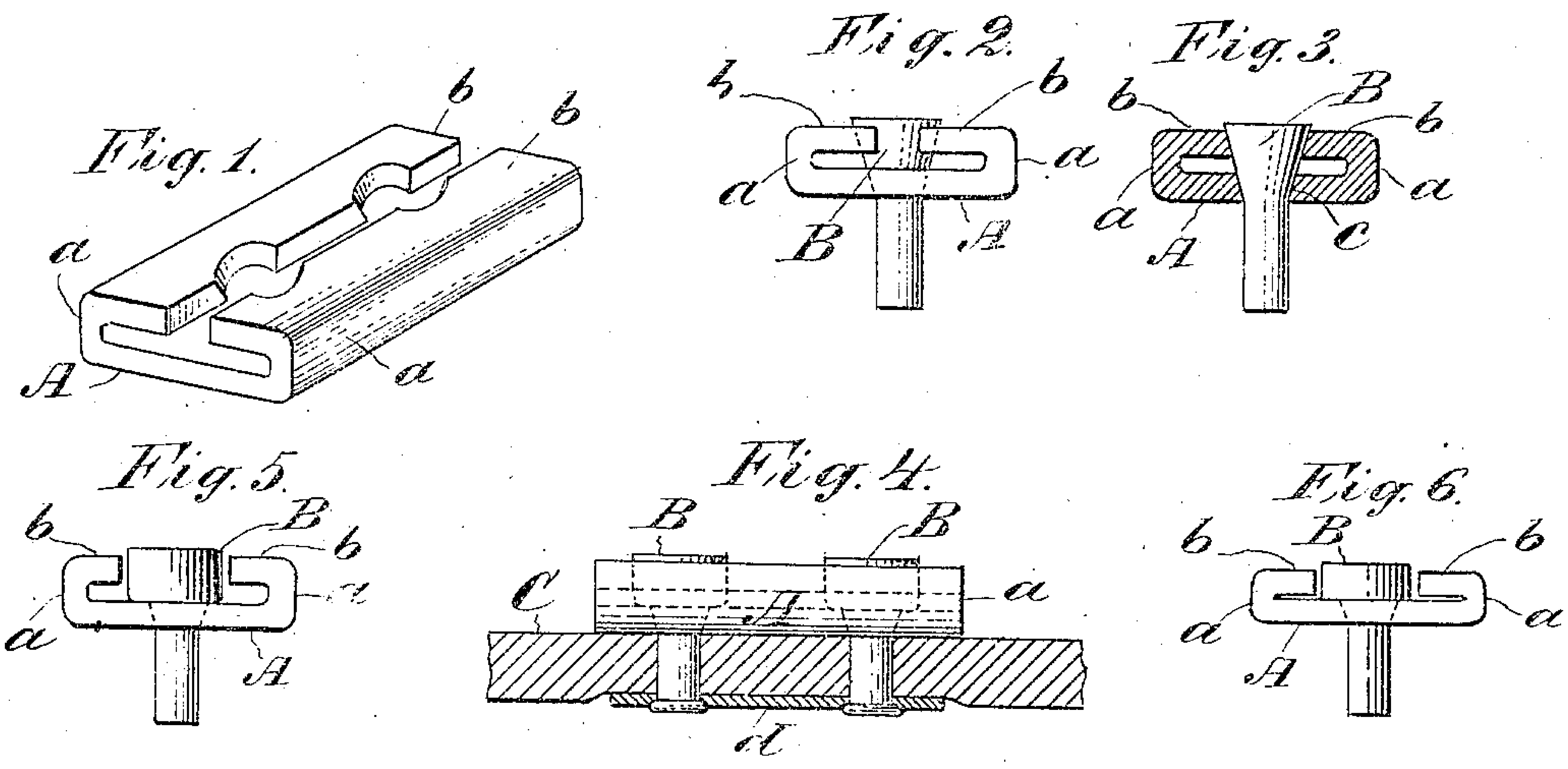
E. B. STIMPSON.

ANTISKIDDING DEVICE.

APPLICATION FILED DEC. 27, 1906.

935,330. Patented Sept. 28, 1909.



Witnesses

Edwin Ball Stimpson
Inventor

By his Attorney

UNITED STATES PATENT OFFICE.

EDWIN BALL STIMPSON, OF NEW YORK, N. Y., ASSIGNOR TO EDWIN B. STIMPSON COMPANY, A CORPORATION OF NEW YORK.

ANTISKIDDING DEVICE.

935,330. Specification of Letters Patent. **Patented Sept. 28, 1909.**

Application filed December 27, 1906. Serial No. 349,609.

To all whom it may concern:

Be it known that I, EDWIN BALL STIMPSON, a citizen of the United States, residing in the borough of Brooklyn, county of Kings, city and State of New York, have invented certain new and useful Improvements in Antiskidding Devices, of which the following is a specification.

This invention relates to anti-skidding, stud-like, metal devices of the class commonly employed in or on tires for auto-vehicles; and the object is to provide an elongated trough-like wearing device of hard metal (as hardened steel) secured by rivets or studs, which may have heads of softer steel.

In the accompanying drawings, which illustrate embodiments of the invention—Figure 1 is a perspective view of a part of the device in one form, and Fig. 2 is an end view of the same. Fig. 3 is a cross-section of the device at one of the studs. Fig. 4 is a section of the material with a side elevation of the device set in the same. Figs. 5 and 6 are both end-views of the device showing slightly different forms of the folded, trough-like hard metal wearing plate.

In all of the forms shown the anti-skidding device which embodies the invention consists of an elongated, trough-like, hard metal plate, with rivets or studs securing it to the material. In the form shown in Figs. 1 to 4, the hardened plate A has its lateral portions *a* turned up along straight parallel lines and folded in until their margins *b* nearly meet, and the studs B have conical heads which fit into conical recesses in said margins *b* and pass through holes *c* in the bottom of the trough-like plate. Fig. 4 shows the studs extending through the material C and their shanks riveted down on a washer-plate *d*.

The form shown in Fig. 5 represents the folded-in margins *b* of the plate set wide enough apart to receive the head of the studs B between them; and Fig. 6 shows the same construction but with the margins *b* pressed down substantially to the bottom of the plate.

This device affords an extended biting surface or edge to engage the surface of a roadway and increase the traction while increasing at the same time the anti-slipping and anti-skidding effect. Such a construction, when the wearing plate is of hard steel, also increases the durability greatly.

Having thus described my invention, I claim—

1. An anti-skidding device having a trough-like wearing plate with bent-up and inturned margins, and having a rivet for securing said plate in place extending through a hole in the bottom of the plate between said inturned margins.

2. An anti-skidding device having a trough-like wearing plate with bent-up and inturned margins, and a securing rivet with conical head engaging recesses in said margins, the plate having a hole in its bottom through which projects the shank of the rivet.

In witness whereof I have hereunto signed my name this 24th day of Dec. 1906, in the presence of two subscribing witnesses.

EDWIN BALL STIMPSON.

Witnesses:

H. G. HOSE,

WILLIAM J. FIRTH.