

(No Model.)

F. SMART.
BRAKE FOR VELOCIPEDES.

No. 594,295.

Patented Nov. 23, 1897.

Fig. 1.

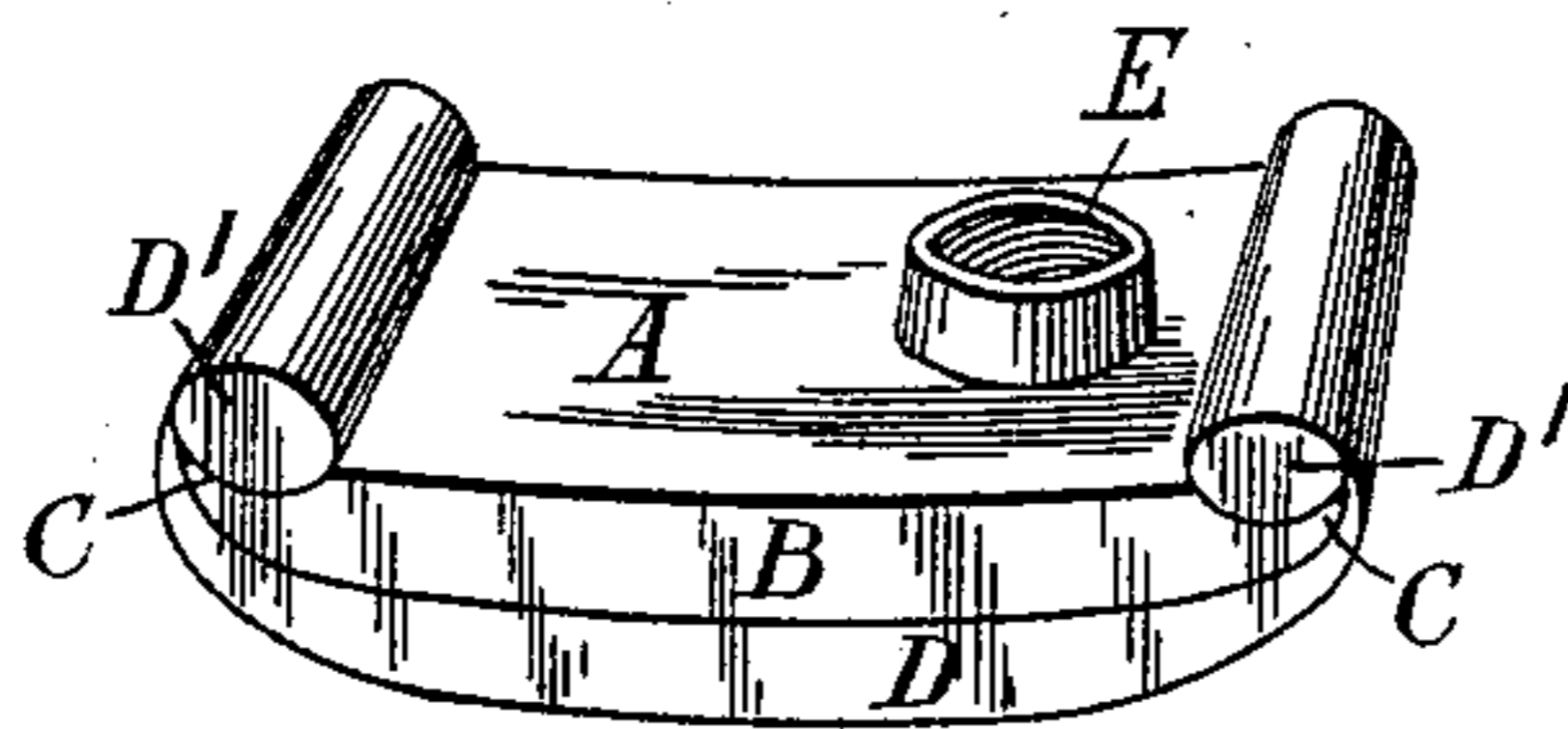


Fig. 2.

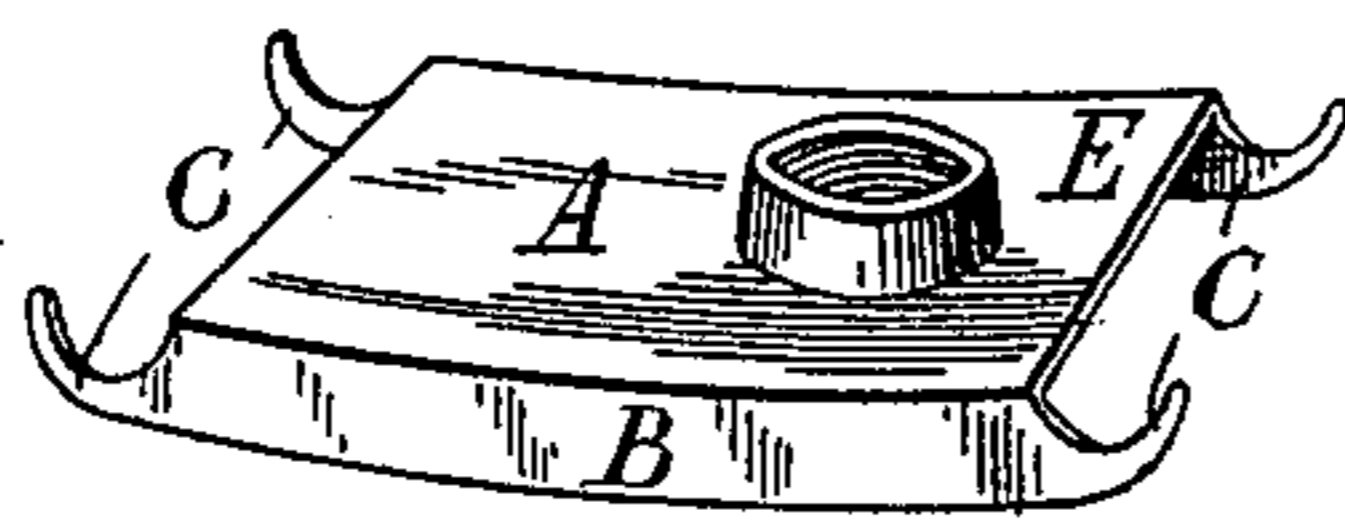
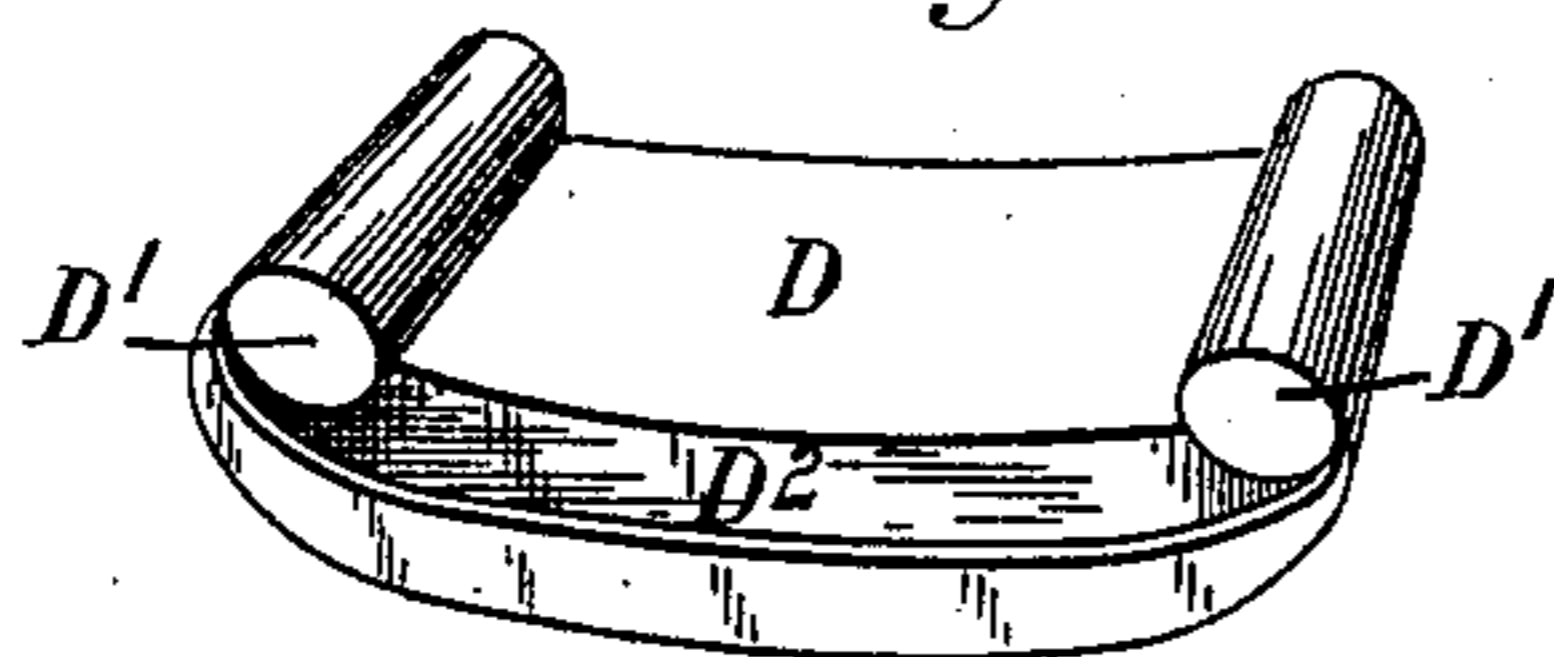


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

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BRAKE FOR VELOCIPEDES.

SPECIFICATION forming part of Letters Patent No. 594,295, dated November 23, 1897.

Application filed April 16, 1897. Serial No. 632,451. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK SMART, a subject of the Queen of England, residing at Hastings, in Sussex, England, have invented
5 certain new and useful Improvements in or Relating to Brakes for Cycles or other Vehicles, of which the following is a specification.

My invention relates to an improved brake for cycles and other vehicles, its construction
10 being such as to form a light and efficient brake the wearing surface or face of which may be readily renewed.

In the accompanying drawings, Figure 1 is a perspective view showing the improved
15 brake complete. Fig. 2 is a similar view showing the brake-shoe. Fig. 3 is a similar view showing the brake-block detached.

Like letters indicate like parts throughout the drawings.

20 The brake-shoe A is formed of metal with side plates B, which are extended beyond the end of the shoe, so as to form horns C. The brake-block D has laterally-projecting lugs or extensions D' formed out of the substance
25 of the brake-block at each end and so arranged that when the brake-block is placed between the side plates B the lugs D' may be sprung into engagement with the horns C.

The side plates B are sunk into the brake-block D, the latter being longitudinally re- 30
cessed, as at D², for this purpose.

Both brake block and shoe are curved, as shown, the latter being provided with a socket E, which may be internally screw-threaded or otherwise shaped for the attachment of the
35 brake-rod. By reason of the lugs D' being formed of the same substance as the brake-block itself—that is to say, of rubber—the said brake-block is enabled to be readily re-
40 moved or renewed.

It is obvious that the shape of the shoe and brake-block may be modified as required to suit different wheels.

I claim—

The combination with the shoe A, having 45
side plates B, and horns C, of a brake-block D, having longitudinal recesses D², and extensions D', for receiving the said parts B, C, substantially as described.

In witness whereof I have hereto set my 50
hand in the presence of the two subscribing witnesses.

FREDERICK SMART.

Witnesses:

WM. CRITTENDEN,
H. A. PEARCH.