

REPUBLIC OF SOUTH AFRICA  
PATENTS ACT, 1978  
**PUBLICATION PARTICULARS AND ABSTRACT**  
[Section 32 (3) (a) - Regulations 22 (1) (g) and 31]

|                         |                     |              |                      |                 |                |
|-------------------------|---------------------|--------------|----------------------|-----------------|----------------|
| OFFICIAL APPLICATION NO |                     | LODGING DATE |                      | ACCEPTANCE DATE |                |
| 21                      | 01 <b>2003/3280</b> | 22           | <b>29 April 2003</b> | 43              | <b>24-3-04</b> |

|                              |             |                     |  |
|------------------------------|-------------|---------------------|--|
| INTERNATIONAL CLASSIFICATION |             | Not for publication |  |
| 51                           | <b>B68C</b> | Classified by:      |  |
|                              |             |                     |  |

|                              |                                         |
|------------------------------|-----------------------------------------|
| FULL NAME(S) OF APPLICANT(S) |                                         |
| 71                           | <b>MAURICE BARNES MARKETING LIMITED</b> |

|                             |                        |
|-----------------------------|------------------------|
| FULL NAME(S) OF INVENTOR(S) |                        |
| 72                          | <b>BARNES, Maurice</b> |

|                           |              |                     |                           |
|---------------------------|--------------|---------------------|---------------------------|
| EARLIEST PRIORITY CLAIMED | COUNTRY      | NUMBER              | DATE                      |
|                           | 33 <b>GB</b> | 31 <b>0026645.2</b> | 32 <b>31 October 2000</b> |

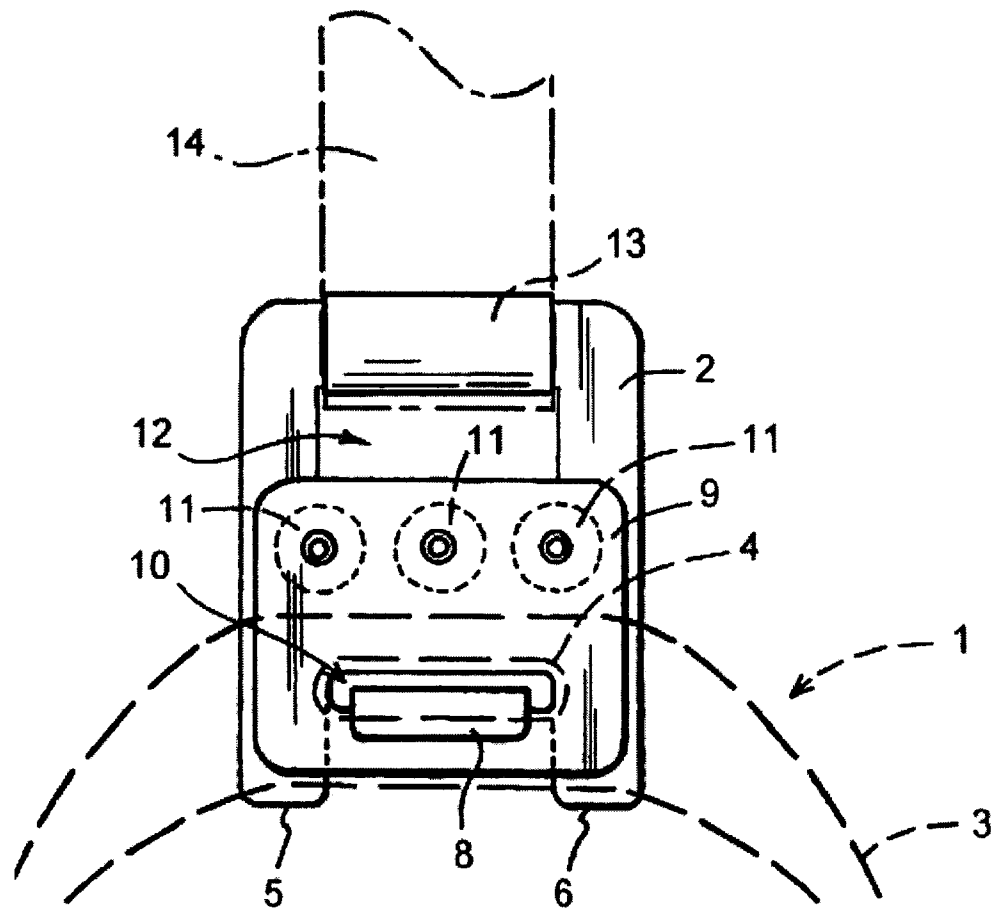
|                    |                       |
|--------------------|-----------------------|
| TITLE OF INVENTION |                       |
| 72                 | <b>SAFETY STIRRUP</b> |

|    |                                                                                                           |                  |           |
|----|-----------------------------------------------------------------------------------------------------------|------------------|-----------|
| 57 | Abstract (not more than 150 words) and figure of the drawings to which the abstract refers, are attached. | Number of sheets | <b>16</b> |
|----|-----------------------------------------------------------------------------------------------------------|------------------|-----------|

**ABSTRACT**

A riding stirrup includes a foot-receiving part 1 and a plate-like part 2 which is suspended from a strap 14. The part 1 is pivotally received on a tongue 7 held by a flange 8 and a retaining plate 9 which is secured to the plate 2 by snap fasteners 11. Normal downward forces on the stirrup do not dislodge the plate 9, but if the rider falls from the saddle the part 1 pivots in direction A levering the fasteners 11 apart. The retaining plate 9 is thus freed allowing the foot-retaining part 1 to separate from the suspension part 2.

FOR PUBLICATION



## STIRRUPS

---

### TECHNICAL FIELD OF THE INVENTION

This invention relates to stirrups as used in horse riding.

### BACKGROUND

Many injuries which occur when a rider falls from a horse are due to the fact the riders foot becomes caught in the stirrup so that there is a high risk of serious injury as the rider is dragged along.

The present invention seeks to provide a new and inventive form of stirrup.

### SUMMARY OF THE INVENTION

The present invention proposes a riding stirrup which has a foot-receiving part and a suspension part for connection with a strap, in which the foot-receiving part is pivotally received on a projection on the suspension part to pivot about an axis which is generally parallel to the plane of the foot-

receiving part and is held thereon by a retaining member which is released from the suspension part by such pivotal movement of the foot-receiving part.

## BRIEF DESCRIPTION OF THE DRAWINGS

The following description and the accompanying drawings referred to therein are included by way of non-limiting example in order to illustrate how the invention may be put into practice. In the drawings:

Figure 1 is a front view of part of a riding stirrup in accordance with the invention, and

Figure 2 is a side view looking from the left in Fig. 1 with the stirrup shown partly in section.

## DETAILED DESCRIPTION OF THE DRAWINGS

Referring to the drawings, the stirrup has a main foot-receiving stirrup part 1 (shown in outline only) which is suspended below a suspension part 2.

The main stirrup part 1 is of conventional form having a hoop 3 with a elongate planar tread (not shown) which may be formed as a solid flat plate, an apertured plate or a framework. A slot 4 is formed at the top of the hoop 3, which is intended to receive a strap for suspending the stirrup.

The suspension part 2 is stamped from metal plate and is generally flat with a pair of spaced downwardly projecting fingers 5 and 6. Between these fingers a flat tongue 7 is bent perpendicularly to receive the slot 4 of the main part 1, held by a depending flange 8. A retaining member 9, also formed of flat plate, is placed over the tongue 7 which is received in a slot 10. The flange 8 assists in holding the retaining member on the tongue 7 but the retaining member is also held to the suspension part 2 by two or three snap-fit studs 11 arranged in a row above the tongue 7 and each having a female part attached to the part 2 and a male part on the member 9. A suspension eye 12 is formed at the top of the part 2 by stamping a rectangular hole in the plate to receive a suspension strap 14. A split cylindrical member 13 is rotatably inserted through the eye 12 to cover the top margin of the eye 12 and thus reduce wear on the strap 14.

In normal use the rider normally exerts a generally downward force on the stirrup part 1 so that the parts are unable to become detached, even with considerable jerking or twisting of the stirrup about a vertical axis. However, if the rider falls from the saddle the stirrup part 1 pivots on the tongue 7 in the direction of the arrow *A* and creates a levering action between the fingers 5, 6 and the retaining member 9 causing the studs 11 to snap apart. This allows the retaining member 9 and stirrup 1 to rotate off the projecting tongue 7 in the direction of arrow *B*, which thus releases the stirrup and hence the rider.

It will be appreciated that the features disclosed herein may be present in any feasible combination. Whilst the above description lays emphasis on those areas which, in combination, are believed to be new, protection is

claimed for any inventive combination of the features disclosed herein.

The claims which follow are to be considered an integral part of the present disclosure. Reference numbers (directed to the drawings) shown in the claims serve to facilitate the correlation of integers of the claims with illustrated features of the preferred embodiment(s), but are not intended to restrict in any way the language of the claims to what is shown in the drawings, unless the contrary is clearly apparent from the context.

## CLAIMS

1. A riding stirrup which has a foot-receiving part (1) and a suspension part (2) for connection with a strap, in which the foot-receiving part is pivotally received on a projection (7) on the suspension part to pivot about an axis which is generally parallel to the plane of the foot-receiving part and is held thereon by a retaining member (9) which is released from the suspension part by such pivotal movement of the foot-receiving part.
2. A riding stirrup according to Claim 1, in which the projection on the suspension part consists of or includes a planar tongue (7).
3. A riding stirrup according to Claim 2, in which the planar tongue (7) has a depending flange (8).
4. A riding stirrup according to Claim 2, in which the retaining member (9) is generally planar with a slot (10) for receiving the tongue (7).
5. A riding stirrup according to Claim 1, in which the retaining member (9) is snap-engaged with the suspension part (2).
6. A riding stirrup according to Claim 1, in which the retaining member (9) is releasably connected with the suspension part (1) by at least one snap fastener (11) disposed to one side of the projection (7).
7. A riding stirrup according to Claim 1, in which the suspension

part (2) has a suspension eye (12) for receiving a strap by which said part is suspended.

8. A riding stirrup according to Claim 1, in which the suspension part (1) is generally planar.

9. A riding stirrup according to the invention, as hereinbefore generally described.

10. A riding stirrup as specifically described with reference to or as illustrated in the accompanying drawings.

11. A riding stirrup including any new and inventive integer or combination of integers, substantially as herein described.

