Title: BRICKLAYING STRING LINE SUPPORT AND COURSE SPACING GAUGE

Abstract: Bricklaying gauge line block device is disclosed. The device eliminates the requirement of traditional profile marking and constant re-plumbing of profiles. The device is positioned on the profile with reference to the previous bottom course of bricks being laid. The device has an indicator at its base, this line points to the top of the last course laid. Then using the device, attach a string line to the notch provided on the device and set the line for the next course of bricks to be laid. In addition the device has a level which ensures both visual horizontal and vertical correctness at all times.
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
This invention relates to improvements on brick laying line blocks.

When constructing or laying a brick wall, steps are taken to ensure both horizontal and vertical correctness by using traditional techniques in setting and marking the profiles to guide the brick layer to lay a course of bricks.

Initially the area is surveyed and profiles set. The profiles are marked manually, using a tape measure and pencil, indicating each the start of each new course of brick work. The marks on the profiles are set for the brick course height. The process is repeated up the profile and the bricks are laid in course and then repeated markings are added when one reaches the end of the previous markings. Since these markings are manually set and the above process is repeated on building sites, the marks can vary from site to site and vary during the laying of the course of bricks due to movement of the profile or inaccurate marks.

The traditional/current method allows for human error by human judgement and by movement of the profile affecting the accuracy of the marks and therefore incorrect spacing of the marks. In addition time consuming for both labour and re setting of the marks.

These problems are overcome by the present invention, the Brickies gauge line block has two right angle guides at either ends with a gauge on top and bottom, that sets the next brick course at an equal distance from the previous laid course of bricks, this eliminates any marking errors. If the profile has moved the reference point now is the previous brick laid and with the Brickies gauge line block predefined gauge, clearly shows where the next brick needs to be laid.

In another aspect the Brickies gauge line block has locators for both top and bottom for point of reference for the placement of the bricks, with gussets, dirt ribs and an intergraded string line tie off notch, this allows the placement of the Brickies gauge line block on the profile as the new marker and coordinate the string line to be connected and be guided by the Brickies gauge line block.
Brickies gauge line block has the ability to adjust standard brick course within intervals of millimetres with a variable plus or minus range of measurement on laying courses of bricks, this allows any adjustments needed by the brick layer to ensure accuracy.

In addition the Brickies gauge line block has a levelling device at both top and bottom ends, indicating and ensuring precise horizontal courses of laid bricks. The brick layer can at all times visually see if the profile has moved and is not straight and therefore affecting the quality of laying the bricks horizontally.

As the horizontal courses are laid a vertical structure is erected the Brickies gauge line block’s level indicators allows visual accurate vertical brick laying of walls and structures, again allowing the brick layer to correct any movement in the profiles.
The claims defining the invention are as follows:

1. Brickies gauge line block has two right angle guides at either ends with a gauge top and bottom, that sets the next brick course at an equal distance from the previous laid course of bricks.

2. Brickies gauge line block as claimed in Claim 1 the guides have locators for both top and bottom for point of reference for the placement of the bricks, with gussets, dirt ribs and an intergraded string line tie off notch.

3. Brickies gauge line block as claimed in Claims 1 and 2 has the ability to adjust standard brick course within intervals of millimetres with a variable plus or minus range of measurement on laying courses of bricks.

4. Brickies gauge line block as claimed in any one Claims 1 to 3 has a levelling device at the ends, indicating and ensuring precise horizontal courses of laid bricks.

5. Brickies gauge line block as claimed in any one Claims 1 to 4 the level indicator allows visual accurate vertical brick laying of walls and structures.

6. Brickies gauge line block as claimed in any one Claims 1 to 5 eliminates the requirement of traditional profile marking and constant re-pluming of profile.

7. Brickies gauge line block as herein described with reference to the accompanying drawings.
DESCRIPTION OF DRAWING

Figure 1

1. Top of Brickies gauge line block

2. Inside centre/work face of Brickies gauge line block

3. Point of reference locator for the placement of Brickies gauge line block top

4. Point of reference locator for the placement of Brickies gauge line block bottom

5. Vertical and Horizontal indicator

6. String line tie off notch

7. Dirt Ribs

8. Gusset

9. Outer body