

September 2012

Specification - Standard Stile

ADVICE

1. The specification below is provided in good faith. No liability will be accepted by the body issuing it nor the Loughs Agency nor its partners for any actions or consequences arising from its application. Neither the publishers, funders, contributors, authors, landowners, site managers, riparian owners nor agents of the aforementioned can be held responsible for any loss, injury or inconvenience sustained by any person or persons as a result of information, guidance or advice given in or omitted from this specification.

NORMAL USAGE AND GENERAL DESIGN

2. Because of the difficulty that stiles can pose to the elderly/less able, use is limited to entrance points which are required to be stockproof.

3. Stiles can be constructed with either a one, two or more step design, as shown in the sketches and image below.

4. The two step design has been shown to be easier and more comfortable for use by anglers and should, therefore, be the preferred option. A three step design may be appropriate.

5. While alternatives have been offered herein, contractors should be aware that in some localities a standard design of stile may have been adopted. It may, in some circumstances, be more appropriate to adopt that alternative "local" design. However, confirm the design proposed with the funder.

6. The client will specify the type of design to be used in the site details.

7. It is important to note A Frame is no longer recommended and we would not support such a construction style.

8. While routed joints and nails is the preferred option, horizontal boards may be bolted in place (as opposed to routing and nails).

One step design

MATERIALS AND CONSTRUCTION - One step design

| | |
|-------------|--|
| Stile Posts | 1 of 10cm x 10cm x 230cm (4" x 4" x 7½ ft) 1 of 10cm x 10cm x 180cm (4" x 4" x 6ft) |
| Rails | 3 of 9cm x 4cm x 122cm (3½" x 1½" x 6ft) |
| Step Posts | 2 of 15cm x 8cm x 90cm (6" x 3" x 3ft) |
| Step | 1 of 17.5cm x 5cm x 90cm (7" x 2" x 3ft) |
| Nails | 10cm (4") Galvanised round wire nails |

Construction:

The stile posts to be dug 75cm (2½ ft) into the ground and to give a stile width of 120cm (4ft). The rails are to be rebated into the stile posts and nailed with two off set nails at each end or else bolted (nuts to be recessed into timber).

The lower rail to be 20 cm (8") above ground level, and with two subsequent rails to be 20cm (8") above the lower rail.

The step posts to be dug 60cm (2ft) into the ground and at a distance of 90cm (3ft) apart. The step to be attached to the step posts by two nails at each end and to run at a height just above the lower stile rail.

Two step design

MATERIALS AND CONSTRUCTION - Two step design

| | |
|-------------|---|
| Stile Posts | 1 of 10cm x 10cm x 230cm (4" x 4" x 7½ft) 1 of 10cm x 10cm x 180cm (4" x 4" x 6ft) |
|-------------|---|

| | |
|-------|--|
| Rails | 3 of 9cm x 4cm x 122cm (3½" x 1½" x 4ft) |
|-------|--|

| | |
|------------|---|
| Step Posts | 2 of 15cm x 8cm x 90cm (6" x 3" x 3ft) 2 of 15cm x 8cm x 120cm (6" x 3" x 4ft) |
|------------|---|

| | |
|------------|--|
| Step Nails | 2 of 17.5cm x 5cm x 120cm (7" x 2" x 4ft) 10cm (4") Galvanised round wire nails |
|------------|--|

Construction:

The stile posts to be dug 75cm (2½ ft) into the ground and to give a stile width of 120cm (4ft). The rails are to be rebated into the stile posts and nailed with two off set nails at each end or else bolted (nuts to be recessed into timber).

The lower rail to be 20 cm (8") above ground level, and with two subsequent rails to be 20cm (8") above the lower rail.

The step posts to be dug 60cm (2ft) into the ground and at a distance of 90cm (3ft) apart. The step to be attached to the step posts by two nails at each end and to run at a height just above the lower stile rails.

In some situations, the steps should be placed in a 'cross' arrangement.

Three step design

The contractor should adapt the above specifications to suit a three step stile.

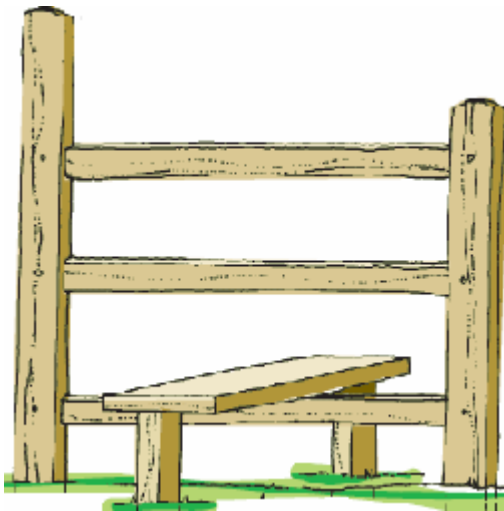


Image 1: one step stile

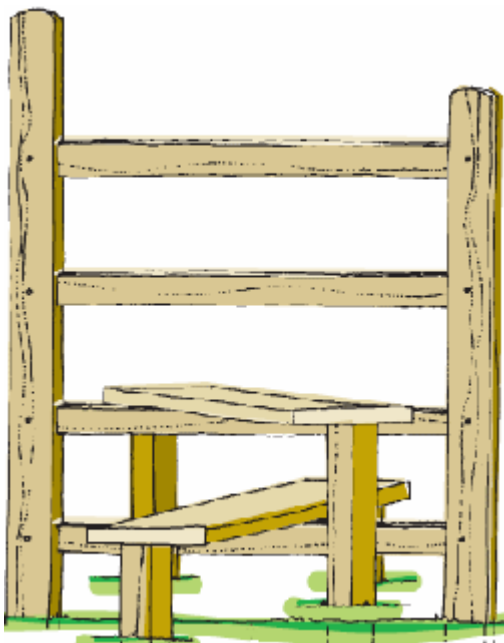


Image 2: two step stile



Image 3: stile over stockproof fence – barbed wire removed, sheep wire remains



Image 4: close up of same stile at image 3 (stile over stock proof fence)

FURTHER GUIDANCE

When assessing the work for tendering, the Contractor will consider the following and if necessary discuss the requirement with the Supervising Officer or client to adopt the following and quote accordingly:

- A. If the ground conditions are uneven, the need for additional steps should be stated. The stile must be easy and comfortable to use by the visitor.
- B. If lambs are likely to be found in adjoining fields, the need to fit stock netting or extra rails to the stile should be indicated.
- C. If site soil conditions dictate, the Contractor should indicate if any form of surfacing may be required on the approaches to the stile.
- D. If the stile is to be placed into the line of a rabbit fence the netting must run 'through' the stile. The minimum size hole should be cut to allow the steps to run through the netting. Where necessary to ensure the fence remains rabbit proof netting can be attached to the stile using fencing staples.