



## Gate Wall Hook



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### Summary

Baby gate was too wide, so I designed this bracket with onshape, for an extra 3" by hooking the corner of the wall.

[Household](#) > [Other House Equipment](#)

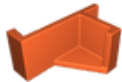
Tags: [wall](#) [pet](#) [bracket](#) [angle](#) [baby](#) [gate](#)

Our dogs were going upstairs to 'explore' so we wanted to install a baby gate at the bottom of the stairs. As you can see in the photos, the base gate was way too narrow, so we tried adding the small extension piece. This was still so narrow that if the extendable bolts were out far enough to press on the walls, the gate was extremely wobbly. With the longer extension piece, the gate stuck far past the wall and was essentially useless.

What I decided was that the gate needed to attach about 3" past the edge of the perpendicular wall. Since there was no way to attach something without damaging the wall, I designed this bracket in onshape (<https://cad.onshape.com/documents/43f6009c589dfbb195b5dafb/w/a8664371b65d6c04bc6a7d31/e/83144a4a59f7e209b2ed4675>) Feel free to download/modify the model to adjust the size, just open up the "Version 2" in the Default Geometry list and you should be able to change some of the measurements to your liking, without having to start from scratch.

I sliced it using Cura and printed it in PLA with my brand new Elegoo Neptune 4 Pro with no supports. Actually, I printed two of them at the same time, placing them as close together on the plate for efficiency, using default settings. Easy Peasy!

## Model files



**gatewallhook.stl**

☐ Can be printed without any supports. Recommend about 20% infill.

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