Design and Testing Notes

Design Intent

The attached design is intended for attachment with an article of clothing or otherwise to create a mask. The sizing of the holes at the ends are designed so that cloth inserted through them are not easily removed through general use. This design was created after a conversation with a friend, currently in Madrid under lock-down, who found it difficult to source materials that would allow the creation of a makeshift mask after off the shelf masks sold out.

This design would allow users to use any article of clothing, or otherwise, as a mask. For example (as the surgeon general recommended) a t-shirt could be used when folded. The ends of the t-shirt could then be threaded through the holes at either end of the design until it is taut against the users face.

Operation

1. Holes for clothing article or otherwise to thread through
2. Neck rest
Manufacture

It is recommended that the design be 3D printed. Testing was performed on a theoretical solid body and it may be best to prototype with users desired print qualities to ensure sufficient strength.