



Doug Cygan, a resident of Belmont was reading a story late in March; about a person, like himself, who was making PPE for their local hospital in Italy. “They were more focused on ventilator venturis, which is what I started making as well. However, I decided to switch to the face mask extenders and face shields since they are not directly related to life support” Doug said. The design for the face mask extenders and face shields is available online, where Doug downloaded it and began 3D printing. The material used is called PLA, it's a natural plant based plastic that is very durable and can be disinfected/cleaned numerous times. “I have made over 350 face mask extenders and donated about 200 or so to Concord Hospital.” Doug continues to 3D print these PPE items around the clock to continue donating as needed.

Brett Stienhilber, from Concord, began manufacturing and donating “ear saver face mask clips” as a way to give back to the medical community. “A few weeks ago I saw multiple posts from friends and family about the issues they were facing with the extended use of face masks. Coincidentally on that same evening I saw a similar item that was being 3D printed.” While Brett does not have a 3D printer, he does have a CNC machine he uses in his woodshop to make wood American flags to sell. “I started searching the vast Facebook Craftsmen’s’ groups and found another individual who utilized their CNC for this very purpose.” The two craftsmen shared plans and files and Brett began making his ear saver face mask clips. Clips are made from 1/16” PVC sheet material which is non-porous and can be sanitized for repeated use. Brett donated over 500 clips to Concord Hospital and continues to do so. Brett shares, “I am happy to have purchased the CNC to expand my business because it gave me the opportunity to help those on the front lines.”