The objective was to create functioning, motor driven, windshield wipers for glasses. The idea has been tossed around whimsically by many. The project was inspired by a Mercer home football game against Berry University, when there was a torrential downpour. Many people around me wore glasses and as such, nobody could see through them. Although this product is not designed to withstand such volume of water, it is the next step in convenience and a step ahead from its predecessor, the string powered glasses wipers, shown by Figure 1. The wipers are designed after traditional wipers, made for cars, shown in Figure 2.

A short cam is attached to the motor. This cam has a long rod extending from it and is connected to a long, movable bar. This bar acts provides the moving force to the wiper blades that are secured to it. Also attached to blades, is a long, immovable rod that provides fulcrum points about which the blades can rotate (Nice, 2014). This contraption is shown by Figure 2.

The problems I faced were scaling the pieces and moving the location of the motor. The motor's location, as it turns out does not matter as long as the bar extending from the cam to the moving bar was the correct length. Using the rough prototype shown in Figure 3, I also discovered that to get the desired range of motion, I needed to start both the cam and the wiper blade pointing horizontally. Then, using the measurements gained from the cardboard prototype, I constructed the real thing, shown in figure 4.

The wiper blade pointing horizontally. Then, using the measurements gained from the cardboard prototype, I constructed the real thing, shown in figure 4.

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