

## BULLETIN RC283

### SALES BULLETIN

## A WORD ABOUT YOUR BLOWER

The F36 Blower is designed for use on all solid fuel Circulators manufactured by United States Stove Company. The blower works on the counterflow principle, that is, by picking up heated air from the top and back of the firebox and directing it out at the base and front of the unit.

With this type blower it is not as important to have "hot" air coming out at the base as it is to understand the principle involved. Remember, in an average room with an eye level temperature of 70 degrees, the air at floor level can be as low as 50 to 55 degrees, and with air at the ceiling between 80 and 90 degrees. A Circulating Heater (as opposed to a radiant style) performs well by "pulling" the colder air off the floor, heating it as it passes around the heat jacket and expelling it through the louvered top. The F36 is designed to enhance this basic principle of physics by reversing the flow somewhat, creating more turbulence around the stove so that more air is drawn into the heated room and more heated air is extended into other rooms. As the relatively warm air is ejected at the front/base of the unit, it will begin to rise - being warmer than the floor level air. As it does so, it creates a counterflow current helping to bring more air to the circulator while pushing the warmer air away from it.

At times the air moving in front of the stove will seem "cool", this is normal as moving air seems colder than it really is due to the "wind chill" effect.

It is possible to "lengthen" or "shorten" the on time for your F36. Refer to your owner's manual for instructions on how to set your thermostat. But, remember, the longer a fan stays on the better job it can perform overall.