A 5 Volt Hand Crank DC Generator can be found on eBay for less than $20. The top design in the below picture (clockwise) works better than the bottom design (counter clockwise). The top one has a white DC plug in the front for the clip leads. The bottom one has two terminals on its front. Search on eBay for “hand crank DC Generator”. Both produce electrically the same result.

The short circuit current is about 0.8 amps and the open circuit max voltage is about 11 volts cranking fast. Typically the use is for 4-5 volts at 0.3 to 0.4 amps. The recommended use is to charge 3 series connected AAA NIMH low self discharge (LSD) batteries. Even at this, one is not going to want to crank this for more than a few minutes at a time. So don’t expect to fully charge the battery. One would put enough charge into the cells to then use the cells for a simple low current LED task light for a short time to get a simple task accomplished. A three cell AAA open battery case as shown would be advisable to use with this generator.

The generator is light duty and if not pushed too hard should last a while. There are few cost effective options on the market right now for this sort of item. This is a far better option than the smaller cell phone chargers that have a smaller crank and are very much smaller.

The Picture below shows how a diode, 1.5 Kohm resistor, and amber led can be added to the circuit to improve usability. The diode keeps the unit from acting as a motor (staring to turn) when hooked up to the charging cell. The resistor and LED are used to indicate one is producing electricity (when cranking) and that it is pumping into the battery. The screw in filament bulb is removed from the unit. If this bulb is left in it just waists energy that could be used to charge the battery.
Note the diode, resistor and led in the above picture. The circuit below shows how these added components are wired.

Summary: The best use for this unit would be when extended backpacking-camping away from base camp. It is light and could be used to put a limited charge in small batteries when they run down.