- `-lgdbm` (use GDBM_File)

  GDBM is available for Cygwin.

  NOTE: The GDBM library only works on NTFS partitions.

- `-ldb` (use DB_File)

  BerkeleyDB is available for Cygwin.

  NOTE: The BerkeleyDB library only completely works on NTFS partitions.

- `-lcygipc` (use IPC::SysV)

  A port of SysV IPC is available for Cygwin.

  NOTE: This has **not** been extensively tested. In particular, `d_semctl_semun` is undefined because it fails a Configure test and on Win9x the *shm*()* functions seem to hang. It also creates a compile time dependency because *perl.h* includes *<sys/ipc.h>* and *<sys/sem.h>* (which will be required in the future when compiling CPAN modules). CURRENTLY NOT SUPPORTED!

- `-lutil`

  Included with the standard Cygwin netrelease is the inetutils package which includes libutil.a.

103.3.3   Configure-time Options for Perl on Cygwin

The *INSTALL* document describes several Configure-time options. Some of these will work with Cygwin, others are not yet possible. Also, some of these are experimental. You can either select an option when Configure prompts you or you can define (undefine) symbols on the command line.

- `-Uusedl`

  Undefining this symbol forces Perl to be compiled statically.

- `-Uusemymalloc`

  By default Perl uses the `malloc()` included with the Perl source. If you want to force Perl to build with the system `malloc()` undefine this symbol.

- `-Uuseperlio`

  Undefining this symbol disables the PerlIO abstraction. PerlIO is now the default; it is not recommended to disable PerlIO.

- `-Dusemultiplicity`

  Multiplicity is required when embedding Perl in a C program and using more than one interpreter instance. This works with the Cygwin port.

- `-Duse64bitint`

  By default Perl uses 32 bit integers. If you want to use larger 64 bit integers, define this symbol.

- `-Duselongdouble`

  gcc supports long doubles (12 bytes). However, several additional long double math functions are necessary to use them within Perl (*{atan2, cos, exp, floor, fmod, frexp, isnan, log, modf, pow, sin, sqrt}l, strtold*). These are **not** yet available with Cygwin.

- `-Dusethreads`

  POSIX threads are implemented in Cygwin, define this symbol if you want a threaded perl.

- `-Duselargefiles`

  Cygwin uses 64-bit integers for internal size and position calculations, this will be correctly detected and defined by Configure.

- `-Dmksymlinks`

  Use this to build perl outside of the source tree. This works with Cygwin. Details can be found in the *INSTALL* document. This is the recommended way to build perl from sources.