Ruby master - Bug #15204

globbing should be prevented when wildcard is surrounded by double quotes in the ruby's command line

10/05/2018 08:23 AM - LeiYuhou (Yuhou Lei)

Status:	Open		
Priority:	Normal		
Assignee:			
Target version:			
ruby -v:	ruby 2.5.1p57 (2018-03-29 revision 63029) [x64-mswin64_140]	**Backport:**	2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN

Description

script tt like following:

```
#!/usr/bin/ruby
p ARGV
```

if a command line argument contains wildcard such as * or ? is surrounded by double quotes , the script's results are different between Linux and Windows.
when run tt in Linux's bash :
$ ./tt "*.txt"
it's output is : ["*.txt"]

but when run tt in Windows 10(x64)'s Command Prompter cmd.exe :
c:> ruby tt.rb "*.exe"
it's output is ["a.txt" , "b.txt" , "c.txt"]

I know , If enclosed with single quote, the behavior are same in Linux and Windows.
I think it's behavior should be exactly same whenever any OS or Shell . otherwise it will bring many trouble to developers , think of the following scene□
users maybe pass asterisk(*) in the command line arguments to my script , to prevent bash to expand it , I will request users to enclose this parameter with double quotes, this will work fine in Linux . but when it 's run in windows , it will fail .

Bash will expand wildcard with globbing before passing the arguments to ruby process , the function w32_cmdvector in win32/win32.c does the same thing like Bash, Just add a condition , the bug will be fixed.

Index: win32/win32.c

--- win32/win32.c   (revision 64922)
+++ win32/win32.c   (working copy)
@@ -1733,7 +1733,7 @@
// N.B. Don't glob if inside a single quoted string
//

- if (quote != L'\")
- if (quote != L'\" && quote != L'"')   globbing++;   slashes = 0;   break;

History

#1 - 10/05/2018 08:29 AM - LeiYuhou (Yuhou Lei)

sorry, maybe some text was modified by the bug tracker Editor :-)
In Linux's bash

```
$ ./tt "*.txt"
it's output is : ["*.txt"]
```

my patch's content:

```
Index: win32/win32.c
===================================================================
--- win32/win32.c       (revision 64922)
+++ win32/win32.c       (working copy)
```

```
@@ -1733,7 +1733,7 @@
                // N.B. Don't glob if inside a single quoted string
                //

-               if (quote != L'\'')
+               if (quote != L'\'' && quote != L'"')
                    globbing++;
                slashes = 0;
                break;
```

Files

ruby-changes.patch	350 Bytes	10/05/2018	LeiYuhou (Yuhou Lei)