

Ruby master - Bug #11142

Command line argument parser on windows handles double quotes inconsistently.

05/12/2015 04:09 PM - ksubrama (Kartik Cating-Subramanian)

Status: Open	
Priority: Normal	
Assignee: usa (Usaku NAKAMURA)	
Target version:	
ruby -v: ruby 2.1.5p273 (2014-11-13 revision 48405) [x64-mingw32]	Backport: 2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN

Description

I believe the issue is with <https://github.com/ruby/ruby/blob/trunk/win32/win32.c#L1671> through 1673.

```
C:\Users\ksubrama>ruby -e "puts ARGV" "foo""bar"
foo"bar
```

```
C:\Users\ksubrama>ruby -e "puts ARGV" "foo"" bar"
foo"
bar
```

I believe the intent is that if ruby encounters "" inside a " quoted string, then it interprets it as a literal " and doesn't close out the string. If that's the case, then the code should read:

```
if (quote == L'"'"' && quote == ptr[1])
    ptr++;
else
    quote = L'\0';
```

Otherwise, the string gets closed out anyway and the ptr++ here combined with the ptr++ at the bottom of the switch at line 1685 simply skip over both "" characters while considering the string closed.

As a further test case consider:

```
C:\Users\ksubrama>ruby -e "puts ARGV" "foo""bar""baz"
foo"barbaz
```

The parser is now very confused because the first "" closed out the string and the next "" is not interpreted as a literal " but as "open and close and empty string element" and the trailing " just gets dropped.