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Reply to: Beman Dawes
beman@dawes.win.net

Reintroduction of basic_string getline function

Introduction

The string and wstring library classes included a getline function as recently as the 27 May 1994 working paper. When string and wstring were templatized into basic_string, the getline function was inadvertently dropped. This proposal reintroduces getline for basic_string.

Proposal

Add the following function to the working paper (presumably after 21.1.1.4.4 Inserters and extractors):

```
template<class charT>
     basic_istream<charT>& getline(basic_istream<charT>& is,
             basic_string<charT>& str,
             charT delim = ios_traits<charT>::newline());
```

An unformatted input function, extracts characters with `string_char_traits<charT>::char_in` and appends them to the string controlled by *`str`*. The string is initially made empty by calling *`str`*`.remove(0)`. Each extracted character *`c`* is appended as if by calling *`str`*`.append(`*`c`*`)`. Characters are extracted and appended until any of the following occurs:

- `NPOS - 1` characters are appended (in which case the function calls `setstate(failbit));`

- end-of-file occurs on the input sequence (in which case the function calls `setstate(eofbit));`

- *`c == delim`* for the next available input character *`c`* (in which case the input character is extracted but not appended).

If the function appends no characters, it calls `setstate(failbit)`. The function returns *`is`*.