Mailer for both for issue_add and issue_edit doesn't take watchers' private notes viewing permissions in consideration when generating the cc list.

A possible solution would be to do the following:

```ruby
recipients = journal.recipients
watchers = journal.journalized.watcher_users.active
watchers.reject! { |user| !journal.visible?(user) }
cc = watchers.collect(&:mail) - recipients
```

Being `journal.visible?` a new method on Journal:

```ruby
def visible?(usr=User.current)
  issue.visible?(usr) && (!private_notes? || usr.allowed_to?(:view_private_notes, project))
end
```

Related issues:
- Related to Redmine - Feature # 1554: Private comments in tickets

Associated revisions
- Revision 10789 - 2012-11-05 16:49 - Jean-Philippe Lang
  Fixed that watchers receive notifications for private comments without permission (#12286).

History
- #1 - 2012-11-01 13:27 - Ricardo S
  The affected version is Redmine 2.1.2.devel.10772
  The rails version is Rails 3.2.8

- #2 - 2012-11-02 10:34 - Arjen van der Veen
  I tried the proposed solution and it works for me. Thank you!

- #3 - 2012-11-02 12:07 - Daniel Felix
Tested with revision 10781 and works for me.

#4 - 2012-11-02 13:27 - Ricardo S

Daniel, make sure you do the following steps:

1. Login as user U1
2. Assign an user U2 as a watcher on a issue I of project P (user U2 must not have permission to view private notes on that project P)
3. Write a private note on issue I

User U2 now receives a notification email when it shouldn't.

On r10781, neither Mailer nor ActsAsWatchable are fixed so you should still be able to reproduce it:

```
| recipients = journal.recipient # Assigns author, assignee selecting those who can view private_notes
```

```
| # Watchers in cc
```

```
| cc = issue.watcher_recipients - recipients # watcher_recipients selects all the watchers that can view
```

```
# the issue without rejecting those who can't view private notes
```

Here's a correction on my solution (I forgot to filter the watchers like it is done on ActsAsWatchable):

```
recipients = journal.recipients
watchers = journal.journalized.watcher_users.active
watchers.reject! { |user| user.mail_notification == 'none' || !journal.visible?(user)}
```

```
cc = watchers.collect(&:mail).compact - recipients
```

#5 - 2012-11-02 15:20 - Daniel Felix

Ricardo S wrote:

```
On r10781, neither Mailer nor ActsAsWatchable are fixed so you should still be able to reproduce it:
```

Hi Ricardo,

well I meanted that your patch worked for me. Sorry for the misleading note.

I've tried your patch in this revision and it worked for me (it fixes the descripted problem). ;-)
- Status changed from Confirmed to Closed
- Affected version (unused) set to devel
- Resolution set to Fixed

Fixed with test in r10789, thanks for pointing this out.