fetching of Git changesets sometimes fails due to non existant revisions in prev_db_heads

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
<th>Start date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
<td>% Done:</td>
</tr>
<tr>
<td>Category:</td>
<td>SCM</td>
<td>Estimated time:</td>
</tr>
<tr>
<td>Target version:</td>
<td>Candidate for next minor release</td>
<td>0.00 hour</td>
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Description

Under certain circumstances it may happen that revisions disappear from a git repository (i.e. when the repository is compacted / garbage collected after doing force pushes).

Redmine stores a `prev_db_heads` list in the repositories `extra_info`, which may contain hashes pointing to such no more existing objects. In this case, `Repository#fetch_changesets` will fail silently and not fetch anything, since the underlying `git log` command refuses to work when non existing revisions are given on the command line.

The attached patch was extracted from Planio and checks each entry in `prev_db_heads`, keeping only those that still exist.

History

#1 - 2016-05-17 17:40 - Jan from Planio www.plan.io
- Target version set to Candidate for next minor release

#2 - 2016-06-14 02:36 - Go MAEDA
- Target version deleted (Candidate for next minor release)

Thanks for the patch. But a test fails in my environment.

```
$ ruby test/unit/repository_git_test.rb
(snip)

# Running:

..............F...........

Finished in 12.697746s, 2.0476 runs/s, 13.6245 assertions/s.

1) Failure:
RepositoryGitTest#test_fetch_changesets_history_editing [test/unit/repository_git_test.rb:241]:
  Expected: 23
  Actual: 29

26 runs, 173 assertions, 1 failures, 0 errors, 0 skips
```

#3 - 2016-06-14 02:37 - Go MAEDA
- Target version set to Candidate for next minor release

Files