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|  | The Man Who Pays By Check |



## HUBBARD BROTHERS

Corner Main and Riverside, Medford
The Bean Giant Triplex is equipped

maxe stroes iw Cancer Reserar Artificial Tumors Produced White Rats by Infesting
Them With Parasites.
$X$-RAY MACHINE IS IMPROVED Rays of Unusual Power Doveloped by
Recently Perfocted Apparatus
Will Greatly Aid
 rector of the Columbia University I
stitute of Cancer Research, endowe
by George Crocker, in a report to Pre 1denterge Crocker, in a report to
Doctor Woas Muray Butle.
Dorker Wood states that two Doctor Wood states that two of the
workers in the Columbla laboratorie
Dr. Frederick D. Bullock and Miss R. Curtis, Ph. D., both ranking as ass
ciate in cancer research, have discoo
ered a means of produclnz cancer art ered a means of produclng cancer art
fictally it rats large numbers of whic
far are constantly used in Colum
work of cancer research. says Doctor Wood, "Doctors Bullo
and Curts save finally shown that
white rats be infested with the eg white rats be infested with the egg
of a certan parasite and kept for
perlod of not less period of not less than elght mo
tumors wwll develop about the are
which the pareat which the parasites are present, an
that these tumors are virulent cance
which rapidy kill the animals which rapidly kill the animals
which they stat and can easily
transplanted to others. "This is not the first time that ca
cer has been produced artificlally.
Is is just 148 years since the London su
geon Pott showed that certain types
cancer follow cancer follow ced hait eertain types
which trritatiting substans
contantet with the body. The come best know
of these 옹 such an extent in Enghland that law
were passed regulating the condition
under which eglom
 skin of the hands is constantly in con
tact wwith tatr, not tifrequently develop
cancer. Professor Fibger of Copen-
hagen has shown also that cancers can

A Sprayer Many Growers Have Long Wanted
of power, high pressure, and big capacity. It delivers 12 gallons of plenty per minute at 300 pounds pressure. If that capacity is about right for
you, then the sprayer you ought to have is a

## "Bear GIANT TRIPLEX

It has Bean porcelain-lined cylinders, the most satisfactory cylinders ever developed for a sprayer pump; threadless ball valves, which cannot cor-
rode or stick tight and which can be opened up entirely in less than two minutes; Bean patented pressure regulator, which holds the pressure to pump; long-wearing eccentrics instead of cranks; and many engine and pump; long-wearing eccentrics instead of cranks; and many other advan-
tages, including the absence of stuffing boxes and stuffing box troubles.
 Sign and send the coupon, which describes entire Buffig box troubles.
by feeding the animals on a certain
parasti, but here malso the actual per
centage of production s. small
II the method devised in this lab-
oratory, however, the yield ds ds very con
siderable, over half the antmals of a
siderable, over half the antmals of
certaln strain developlng cancer.
Doctor Wood quotes Dr. J. A. Mur ray, director of the Imperial Cancer
Research Fund, London, a noted inves
tigator of cancer, as saylige recently
that "one of the great disadvantages tigator or cancer, as saying recently
that "one or the great disgdvantages
whltch retards progress in the study of
cancer is the absence of a means of whtch retards progress in the study of
cancer 1 t the absence of a means of
producung the dseanes at will in exper-
imental animals."
"WIt mental animals."
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aboratory." Doctor

## disadvantage no longer exists." Doctor Wood reports the construc- Hon of a new machine through which

 Hon of a new machine through which,during the commg winter. will be add-
ed "new and important facts to the
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ton con for some time, under constdera- hentinues, dis-
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tion or an apparatus for the pres. tion of an apparatus for the produc-
tion of a direct
ages inrent at ot high or to produec $X$-rays of un-
usual power, as the ilmitations of the susuan orwer, to produce $X$-rays of un-
commercial machine Intations of the tertain ot Creatment are obvious.
"The matter had been discussed in
informal way during the last a informal way during the last two
or three years with a number of experts, among them Professor Duane
and Protessor Davis, and at the last
annual meetrg of the Crocker board
it was proposed that the acerued income of the Bondy fund be devoted
co the construction of a more powerful constant current X-ray apparatus
than had yet been attempted, with the aecessary equipment to permit of the
curate determinations in physical nits of the exact quantity of radia-
lon given off by the X -ray tobe "Many unforeseen ed difficiultes in in the
"taining of equipment and materials at the machlne has already byaratus;
or considerable periods
ont and gives promisent at hith tigh voltages, wwill shorty
be capable of furntshing not less than
bin
 Armory Dance Saturday night.

